

Temple University
Undergraduate Bulletin
2008 – 2009



Welcome from the President

Welcome to Temple University. The *Undergraduate Bulletin* will be a guide to your academic journey during your years at Temple. I hope you will find it to be helpful as you embark on an exciting adventure of discovery at the university.

The *Bulletin* is a guide to the requirements for completing a major. With more than 4,300 opportunities to learn about everything from accounting to women's studies, it is also a window into the vast array of human knowledge. As you browse this catalog, you are sure to find something that will interest you.

The *Bulletin* is more than a listing of courses. You can also find a description of academic programs and degree requirements and general information about the services and programs at Temple, reflecting the breadth and depth of opportunities the university has to offer. Temple has a distinguished faculty in 17 schools and colleges and offers 130 undergraduate majors as well as many undergraduate minors and concentrations.

Temple also provides many settings in which to learn. In addition to the flagship Main Campus, Philadelphia-area campuses include the Health Sciences Center, the Center City Campus in Philadelphia and a major suburban campus at Temple University at Ambler. The university has education centers in Harrisburg and Fort Washington and international campuses in Tokyo and Rome. Temple also offers undergraduate programs throughout the world: Brazil, France, Germany, Ghana, Great Britain, India, Mexico, Puerto Rico, Senegal, and Spain, as well as opportunities to participate in study abroad programs worldwide with partner colleges and universities.

Temple has much to offer you. I hope you will find this *Undergraduate Bulletin* valuable as you plan the journey that lies before you.

Ann Weaver Hart
President

About This Bulletin

The *Undergraduate Bulletin* is produced by the Office of the Provost to present general information about Temple University and specific information about undergraduate academic programs. Although every effort is made to provide complete and accurate information, the descriptions of programs and policies are announcements only and in no way serve as a contract.

If you are a new student at Temple this year, this *Bulletin* contains the requirements of programs into which you will be enrolling. For that reason, your advisors may refer to Fall 2008 as "your Bulletin year."

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum. Students who have fewer than 15 transferable credits are considered freshmen. Additionally, students whose transfer credits were earned while in high school, regardless of the number of transfer credits, are considered freshmen.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum. Students who attempted 15 or more transferable credits after high school and prior to being admitted to Temple University are considered transfer students.

In addition to this *Bulletin*, you will also find several other publications that provide important information for Temple University undergraduate students. These publications include, but are not limited to, the *Temple University Student Handbook and Planner*, *Guide to Registration*, *Undergraduate Course Descriptions*, *Campus Safety & You*, *Guide to Residential Life*, *Guide for Students with Disabilities*, *Temple University Transfer Student Information*, and *University Housing Staffing and Services*.

We hope this *Undergraduate Bulletin* will prove informative and useful to you as a Temple student. Questions or suggestions regarding the content of the *Undergraduate Bulletin* may be directed to Project Coordinator in the Office of the Senior Vice Provost for Undergraduate Studies (phone: 215-204-2044).

Please note that all information contained in the *Undergraduate Bulletin* are announcements only and in no way serve as a contract between the student and Temple University. All prospective and current students are responsible for contacting individual departments regarding the latest information on regulations, policies, program requirements and course offerings.

The *Undergraduate Bulletin* was updated in November 2008.

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Department Names & Abbreviations

Below is a list of department names and their abbreviations that may be found throughout the *Bulletin*:

Department Name ... Abbreviation

Accounting ... ACCT	General & Strategic Management ... GSM
Actuarial Science ... ACT SCI	Geography & Urban Studies ... GUS
Adult & Organizational Development ... AOD	Graphic Arts & Design ... GAD
Adult Education ... ADULT E	Greek, Ancient ... GRK-ANC
Advertising ... ADVERT	Greek, Modern ... GREEK
Aerospace Studies ... AIRF ST	Greek & Roman Classics ... G+R CL
African American Studies ... AF-AM S	Health Information Management ... HIM
American Studies ... AMER ST	Health Related Professions ... HRP
Ancient Greek ... GRK-ANC	Healthcare Management ... HLT MGT
Anthropology ... ANTHRO	Honors Program ... HONORS
Architecture ... ARCH	Honors Program, Upper Division ... UDHP
Art Education ... ART ED	Horticulture ... HORT
Art History ... ART H	Human Resource Management ... HR MGMT
Asian Studies ... ASIA ST	Industrial Education ... IND ED
Broadcasting, Telecommunications & Mass Media ... BTMM	Intellectual Heritage ... IH
Business Administration ... BUS ADM	International Business Administration ... IBA
Business Education ... BUS ED	Japanese ... JAPNESE
Career & Technical Education ... C/T EDU	Jewish Studies ... J ST
Chemistry ... CHEM	Journalism ... JOURN
Civil & Construction Engineering Technology ... CCET	Kinesiology ... KNSLOGY
Civil Engineering ... CE	Landscape Architecture ... LAN ARC
College of Health Professions ... CHP	Latin American Studies ... LAS
College of Science & Technology ... SCI TEC	Law (Legal Studies) ... LAW SBA
Communication Sciences & Disorders ... CSC+DIS	Lesbian, Gay, Bisexual & Transgender Studies ... LGB&T
Communications & Theater ... COMM+TH	Liberal Arts ... LIBARTS
Community & Regional Planning ... C+R PLN	Management Information Systems ... MIS
Computer & Information Science ... C+IN SC	Management Science/Operations Management ... MSOM
Counseling Psychology ... CN PSY	Marketing ... MKTG
Criminal Justice ... CRM JUS	Math Education, Elementary Education ... M ED-E
Critical Languages Center ... CR LANG	Math Education, Secondary Education ... M ED-S
Curricular Instruction & Technology in Education ... CITE	Mathematics ... MATH
Disability Studies ... DIS STD	Mechanical Engineering ... ME
Distributive Education ... DIST ED	Mechanical Engineering Technology ... MET
Early Childhood Education ... ECH ED	Military Science ... MIL SCI
Earth & Environmental Science ... EES	Modern Greek ... GREEK
Economics ... ECON	Music Education ... MUS ED
Educational Leadership & Policy Studies ... ELPS	Music Studies ... MUS ST
Education ... EDUC	Naval Science ... NAV SCI
Educational Administration ... ED ADM	Neuroscience ... NEUROSC
Educational Psychology ... ED PSY	New Media Interdisciplinary Concentration ... NMIC
Electrical Engineering ... EE	Occupational Therapy ... OC THER
Electrical Engineering Technology ... EET	Organizational Studies ... ORGSTDS
Elementary Education ... ELEM ED	Painting, Drawing & Sculpture ... PDS
Engineering ... ENGRG	Physical & Health Education Teacher Education ... PHETE
Engineering Technology ... ET	Philosophy ... PHILOS
English Education, Elementary ... EN ED-E	Physical Therapy ... PH THER
English Education, Secondary ... EN ED-S	Political Science ... POL SCI
Environmental Engineering Technology ... ENVT	Portuguese ... PORT
Environmental Studies (in CLA) ... EVRN ST	Psychological Studies in Education ... PSE
Film & Media Arts ... FMA	Psychology ... PSYCH
Foreign Language Education, Secondary Education ... FL ED-S	Public Health ... PUBHLTH
Foundation Program (Tyler) ... FND PRG	Real Estate ... RL EST
Freshman Seminar ... FRH SEM	Religion ... REL

Risk Management & Insurance ... RSK MGT
 School of Tourism & Hospitality Management ... STAHM
 School of Business ... BUS
 School of Social Administration ... SOC ADM
 School Psychology ... SCH PSY
 Science Education, Elementary Education ... SC ED-E
 Science Education, Secondary Education ... SC ED-S
 Science, Secondary Education ... SCI-S
 Secondary Education ... SEC ED
 Slavic Languages & Literature ... SLAV
 Social Administration - Undergraduate ... SOC WRK
 Social Education, Elementary Education ... SS ED-E
 Social Education, Secondary Education ... SS ED-S
 Social Studies Education, Elementary Education ... SS ED-E
 Social Studies Education, Secondary Education ... SS ED-S
 Sociology ... SOC

Special Education ... SPEC ED
 Sport & Recreation Management ... SRM
 Statistics ... STAT
 Strategic & Organizational Communication ... STOC
 Student Teaching, Elementary Education ... S TCH-E
 Student Teaching, Secondary Education ... S TCH-S
 Therapeutic Recreation ... THERREC
 Topical Studies ... TOP STD
 Tourism & Hospitality Management ... THM
 (Tyler) Foundation Program ... FND PRG
 Tyler School of Art ... TYLER
 University Studies ... UNIV ST
 Upper Divisions Honors Program ... UDHP
 Urban Education ... URB ED
 Vietnamese ... VIETNAM
 Women's Studies ... WOM STD

Academic Calendars

Fall Semester 2008	
Fall semester begin	Tuesday, September 2
Last day to drop a course	Monday, September 15
Application for January graduation ends	Wednesday, October 15
Registration begins (Spring Semester)	Monday, October 20
Last day to withdraw from graduate & undergraduate courses	Monday, November 3
*CALENDAR ADJUSTMENT	Tuesday, November 25 - Wednesday, November 26
Thanksgiving recess	Thursday, November 27-Sunday, November 30
Classes resume	Monday, December 1
Weekday classes end	Wednesday, December 10
Study days	Thursday, December 11 - Friday, December 12
Weekend classes end	Saturday, December 13-Sunday, December 14
Final examinations	Monday, December 15-Saturday, December 20
Winter recess begins	Saturday, December 20 at 10:00pm

***TUESDAY, NOVEMBER 25 - FOLLOW YOUR THURSDAY CLASS SCHEDULE**
WEDNESDAY, NOVEMBER 26 - FOLLOW YOUR FRIDAY CLASS SCHEDULE

Spring Semester 2009	
Spring semester begins	Tuesday, January 20
Diploma date	Friday, January 30
Last day to drop a course	Monday, February 2
Application for May graduation ends	Monday, February 16
Spring recess begins	Monday, March 9
Classes resume	Monday, March 16
Registration begins (Summer Sessions)	Monday, March 16
Registration begins (Fall Semester)	Monday, March 23
Last day to withdraw from graduate & undergraduate courses	Monday, March 30

Classes end	Monday, May 4
Study days	Tuesday, May 5-Wednesday, May 6
Final examinations	Thursday, May 7-Wednesday, May 13
Commencement	Thursday, May 14

Summer Sessions 2009	
FIRST SUMMER SESSION	Monday, May 18-Monday, June 29
Memorial Day Holiday, No Classes	Monday, May 25
Application for August graduation ends	Monday, June 1
Last day to drop a course	Monday, June 1
Last day to withdraw from graduate & undergraduate courses	Monday, June 15
SECOND SUMMER SESSION	Monday, July 6-Saturday, August 15
Last day to drop a course	Friday, July 17
Last day to withdraw from graduate & undergraduate courses	Friday, July 31
Diploma date	Friday, August 28

About Temple University

A View of Temple University

As a comprehensive, public research university, Temple University offers a commitment to teaching combined with a desire to learn from new experiences. The university is dedicated to new technologies and cutting-edge research built upon decades of practical experience in the field.

Located in the heart of metropolitan Philadelphia, Temple's Main Campus reflects the history and diversity of over 100 years of educating men and women. Since its humble beginnings in 1884, Temple University continues to affirm its commitment to learning, teaching and living with the help of dedicated faculty and staff, as well as the construction of various facilities, including state-of-the-art "smart" classrooms in Tuttleman Learning Center; the Liacouras Center (a thriving sports, entertainment and recreation complex); and the TECH Center (which opened January 2006; one of the largest on-campus computer facilities of its kind in the United States). Temple is currently constructing Alter Hall, which will be the new home for the Fox School of Business and Management in the fall of 2008. Temple also broke ground for a facility that will be the new home for the Tyler School of Art in 2009.

As an internationally-recognized institution, Temple has earned its reputation. Temple's commitment to teaching and research has attracted top faculty members to each of its 130 bachelor's degree programs, as well as to its professional, master's, and doctoral programs. A recent university initiative has resulted in the hiring of many new faculty members from top

institutions across the country. Temple professors are committed not only to research and teaching but to their students as well. A small student-to-faculty ratio ensures that students and professors develop a close rapport that enhances the learning experience.

Temple's campus extends further than its North Philadelphia roots. It offers campuses and programs of study in Center City Philadelphia, Ambler, Fort Washington, Elkins Park (until its planned relocation to a new facility on Main Campus in 2009) and Harrisburg, Pennsylvania. The Temple University Health Sciences Center, located just two miles north of the Main Campus, is home to the Temple University School of Medicine, the Maurice H. Kornberg School of Dentistry, and the School of Pharmacy. It also includes the Temple University Hospital, a world-class medical facility. The Temple University School of Podiatric Medicine is located two miles southeast of the Main Campus. Temple's appreciation for diversity and international experiences is reflected in the various international programs offered at the university. Temple has campuses in Rome and Tokyo, as well as opportunities to study on almost every continent in countries such as Brazil, France, Germany, Ghana, Great Britain, India, Mexico, Puerto Rico, Senegal and Spain. Additionally, on campus, programs such as the Latin American Studies Semester provide an in-depth study of foreign cultures right at home.

Temple understands that the college experience is not limited to what happens in the classroom. To that extent, the university offers an array of recreational and cultural activities that reflect the diversity of its student body. There are dozens of student-run organizations in health, business, recreation, politics or religion that fit the student's background or desire to learn. There are also many social and professional Greek associations to join. Temple's traditional Spring Fling and Cherry and White Day invigorate the campus every year. The university offers art galleries on both the Tyler and Main campuses and in the Old City cultural district. Temple University's Boyer College of Music and Dance offers a wide variety of music and dance recitals and concerts throughout the year at on-campus and off-campus locations. The university has men's and women's teams that compete in a variety of intercollegiate sports, including basketball, crew, fencing, gymnastics, and track and field, most at the national-collegiate level. Temple University also offers a variety of intramural sports and sports clubs for its students. New on-campus student housing and the attractively-renovated Howard Gittis Student Center underscore Temple's commitment to enriching campus life. In fact, more students now live on campus than at any point in Temple's history, reflecting a broader change of the university from a commuter school to an expanding residential community.

Off campus, students can explore all that Philadelphia has to offer. The city is home to the Philadelphia Museum of Art, the Philadelphia Zoo, and the Philadelphia Orchestra. Students can tour the historic neighborhoods of Philadelphia, and visit the Liberty Bell and Independence Mall, the birthplace of the country. The city also offers world-class theater from touring Broadway shows and local performances at the Kimmel Center for the Performing Arts. The Philadelphia Sports Complex in South Philadelphia showcases a variety of entertainment opportunities. Students can catch any of Philadelphia's professional sports teams and minor league teams in action, as well as concerts by any band or artist imaginable. Large or small, in the city or around the world, on the field or in the classroom, Temple University gives students every opportunity to grow as individuals, learn in a variety of unique settings, and explore the possibilities.

The University: Where We've Been and Where We're Going

Temple University was founded in 1884 by Dr. Russell H. Conwell as an outgrowth of his ministry at the Baptist Temple. Dr. Conwell wanted to make higher education available to all capable and motivated students regardless of their backgrounds and finances. His college began as informal classes for seven people and was first housed in the meeting rooms of his church.

More than 100 years later, having emerged as a major educational enterprise, Temple University continues the Conwell mission. Today, Temple enrolls more than 35,000 students, is the 27th largest university in the United States and is one of the nation's leading centers of professional education (law, dentistry, medicine, pharmacy, and podiatric medicine).

Temple is a world-class center of teaching, research, and health care. The university is identified in the Carnegie Classification of Institutions of Higher Education as one of only a hundred or so public institutions nationally (and one of six in Pennsylvania) that are designated as "Doctoral/Research Universities—Extensive." Temple serves as a vital research center for the United States government and is one of the three national survey research facilities.

From its roots in the historical and cultural richness of Philadelphia, Temple has become a major international university. With seven regional campuses as well as foreign campuses in Tokyo, Japan, and Rome, Italy, Temple attracts over 35,000 students from across the nation and around the world. In addition to its campuses in Tokyo and Rome, Temple has connections to campuses on virtually every continent, and its professors are known both nationally and internationally.

Through its 17 schools and colleges, Temple University offers academic programs on both undergraduate and graduate levels. There are 2 associate degree areas, 130 bachelor's degree areas, 115 master's degree areas, 53 doctoral degree areas, and 7 first professional degree areas. In the 2006-07 academic year, Temple University awarded 7,372 degrees as follows: 4,808 Bachelor's degrees, 1,349 Master's degrees, 392 Doctoral degrees and 802 first professional (J.D., M.D., D.M.D., D.P.M., Pharm.D.) degrees.

The university is proud of its distinguished faculty, many of whom possess national and international reputations. These award-winning scholars and teachers offer students at the undergraduate, graduate, and professional levels the education and training they need to succeed. At the undergraduate level, the average class size is 26, and most of these classes are taught by senior faculty. One of the nation's major centers of teaching, research, and service, Temple is one of three public research universities in Pennsylvania and the second largest in the state. It is a leader in medicine and biomedical research, and the Temple University Health System, Inc., provides the most advanced care for thousands of residents throughout the region.

Temple has also been a leader in bold curricular initiatives. It was one of the first public research institutions to establish a rigorous, university-wide Core curriculum in its undergraduate schools and colleges. Temple is now launching the new General Education program for incoming freshmen. Temple also has received national recognition for its Learning Communities, in which incoming freshmen form small groups according to their majors and interests. In addition, the

university's Honors program is a model for other colleges and universities as it engages students in intellectually-stimulating and challenging coursework throughout their undergraduate career.

Temple University is a member of the Commonwealth System of Higher Education in Pennsylvania and is supported by student tuition; annual appropriations from the Commonwealth; federal grants; gifts from alumni, corporations, and friends; and income from endowments. The university is governed by a 36-member Board of Trustees.

Temple University is accredited by the Middle States Association of Colleges and Schools, Commission on Higher Education. Most of Temple's schools and colleges have received additional accreditation from other agencies, noted in each school and college's section of this *Bulletin*.

For more information on Temple University, visit the university's home page at www.temple.edu, view the Temple University Factbook at www.temple.edu/ir/factbook/ir-factbook.html, and see more about Temple at www.temple.edu/about/index.htm.

The Undergraduate University Policies specified in this *Bulletin* cover all students taking courses at all Temple University campuses worldwide. Maps and descriptions of Temple University's Pennsylvania campuses are provided in the [Campuses](#) section of this *Bulletin*.

Temple University Main Campus

Founded 1884

Peter R. Jones
Senior Vice Provost for Undergraduate Studies
215-204-7000 (general number)
www.temple.edu

Located one mile north of Center City Philadelphia, Temple's 115-acre Main Campus serves students from the Delaware Valley area, from throughout the United States, and from 103 foreign nations. There are approximately 24,000 undergraduates and 7,900 graduate and professional school students attending classes on the Main Campus.

The Main Campus can be reached easily by public transportation using the "C" bus on Broad Street, the Broad Street Subway (Cecil B. Moore Avenue stop), AMTRAK at North Broad Street Station, and SEPTA Commuter Rail Lines at the Temple/Cecil B. Moore Station, Ninth and Berks Streets.

The major facilities of the Main Campus are located between 10th and 16th Streets and between Oxford and Diamond Streets. Nine Temple schools and colleges with undergraduate programs have their central administrative offices at the Main Campus, as well as most of their classrooms. These include the Richard J. Fox School of Business and Management; the School of Communications and Theater; the College of Education; the College of Liberal Arts; the Esther Boyer College of Music and Dance; the College of Science and Technology; the College of

Engineering; the School of Social Administration; and the School of Tourism and Hospitality Management. The Graduate School and the James E. Beasley School of Law are also located on Main Campus. Many of these schools and colleges offer programs and courses on other campuses and at various extension centers. Those offerings are described in each individual college section and are listed on the "Programs Offered" chart at www.temple.edu/bulletin/Academic_programs/chart_degrees/chart_program/chart.shtm

Programs Offered

All of the programs listed in the chart of Temple programs are offered on the Main Campus except those of the Ambler College (Landscape Architecture, Horticulture, and Community and Regional Planning); the programs of the College of Health Professions, the Maurice H. Kornberg School of Dentistry, the School of Medicine, and the School of Pharmacy, which are offered at the Health Sciences Center only; the programs of the School of Podiatric Medicine, which are offered at 8th and Race Streets; those of the Tyler School of Art, which are offered at the Tyler Campus (until 2009, when the school moves to its new facility on Main Campus); and those programs only offered in Temple University Japan.

Physical Facilities

In addition to housing the major classroom and administrative facilities of nine of the schools and colleges of Temple, the Main Campus is also the central location of the university's Library System and Computer Center. Other facilities include two stages for theatrical productions (Tomlinson Theater and Randall Theater), two music recital halls (Klein Recital Hall and Rock Hall), and a dance laboratory theater (Conwell Dance Lab).

The Main Campus is home to the Media Learning Center for the study of Critical Languages and other self-study courses and the Presser Learning Center, a nationally-known multimedia laboratory for teacher education in music. The university's 24-hour classical and jazz radio station, [WRTI-FM](#), is located at the Entertainment and Community Education Center, behind the Liacouras Center at 1509 Cecil B. Moore Avenue, Third Floor, Philadelphia, PA 19121-3410.

The [Liacouras Center](#), a venue for sports, entertainment, cultural, and educational activities, consists of an 11,000-seat concert and convocation center and is home to the Temple Owls Basketball team, the Esther Boyer Theater, the Independence Blue Cross Student Recreation Center, the Entertainment and Community Education Center, and a 1,200-car garage.

The world-class [TECH Center](#), located on 12th and Montgomery, features many technology resources available to students. The facility includes hundreds of computers, a help desk, the university Welcome Center, faculty wing, specialty labs, an internet lounge, social spaces, and private breakout rooms for studying.

The [Howard Gittis Student Center](#) provides a modern 700-seat dining facility with a wide variety of food venues and an upscale entry atrium. The Student Center also houses the bookstore, post office, credit union, information counter, the student newspaper, Temple Student Government

Offices, Main Campus Program Board, the school yearbook, the Office of the Dean of Students, television lounge, quiet lounge and student organizational space.

Recreation facilities include a student fitness complex in the Independence Blue Cross Student Recreation Center; two Olympic-size swimming pools, several gymnasias, weight-training rooms, including a cardiovascular fitness center, in Pearson and McGonigle Halls; an eight-lane, 400-meter outdoor track; an indoor track in the Independence Blue Cross Student Recreation Center; a lighted outdoor recreation and sports complex that includes four acres of artificial turf and a 4,500 seat arena. The Main Campus also has a student recreation facility consisting of a 39,000-square foot Student Pavilion with lighted tennis courts and an outdoor in-line skating surface.

Tuttleman Learning Center is a hub for emerging learning technologies, with flexible classrooms, distance learning sites, student lounges, and personalized areas for small group activities, and is home to the University Writing Center, the University Honors Program, and International Programs.

Liacouras Walk, a major pedestrian way running through the center of campus, provides retail shops, food service, and the Conwell Inn. The Academic Resource Center, Math and Science Resources Center, and the Academic Advising Centers for the College of Liberal Arts and the College of Science and Technology are located at 1810 Liacouras Walk.

Temple University Ambler Campus

Founded 1958

James W. Hilty, Ph.D.
Acting Dean, Ambler College
CEO, Temple University Ambler
580 Meetinghouse Road
Ambler, PA 19002
267-468-8000
ambler@temple.edu
www.ambler.temple.edu

Temple University Ambler, a respected innovator in research and education in social, economic, and environmental studies, delivers high-quality undergraduate, graduate, and non-credit programs to meet the needs of the region and provide a rewarding life experience for students of all ages. Ambler Campus faculty and administration promote responsible citizenry through curricular and extracurricular activities and applied research that demonstrate and promote concepts central to the creation of strong, sustainable communities - student-centered learning, community engagement, and respect for the environment.

The Ambler Campus, with an undergraduate student population of 3,000, is an ideal campus to pursue higher education, with a convenient location, courses in a variety of disciplines, and a friendly atmosphere. Located in suburban Montgomery County, just 18 miles north of the Main Campus (and minutes from Route 309 and the Pennsylvania Turnpike), Ambler offers the benefits of a small college campus with the excitement and vast resources of a large university. Ambler attracts students who live or work in the greater Philadelphia area, including those from Philadelphia, Bucks, Lehigh, Montgomery, and Northampton counties. The Blue Route (Route 476) also makes Temple University Ambler easily accessible to students from Chester and Delaware counties.

Commuters and residents enjoy Ambler's stunning grounds, student organizations and activities, and recreational facilities that include an exercise/weight room, indoor/outdoor pool, and tennis and basketball courts. The campus is also home to Temple University's baseball, softball, and men's and women's soccer NCAA Division I teams.

Ambler's facilities include science laboratories, a library, top-quality computer labs, "smart" classrooms, Computer-Assisted Design (CAD) and Geographic Information Systems (GIS) lab/classrooms, a dining center, cafés, and a residence hall.

In Fall 2006 the Ambler Learning Center opened; the center is a state-of-the-art facility incorporating smart classrooms, wireless technology, new computer labs/classrooms, a technology "breakout" room, study lounges, video-conferencing room, and a 300-seat auditorium. There is also a mathematics and writing resources center as well as a visual arts studio that includes an art education classroom.

The Ambler Campus offers hundreds of undergraduate courses during the day, evening, and weekends, taught by the university's distinguished faculty. Students may begin almost every undergraduate program at Ambler. Depending on the major, students may take all their courses at Ambler. Popular majors that can be completed at Ambler include: Business, Community and Regional Planning, Criminal Justice, English, Elementary Education (Early Childhood and Special Education), History, Horticulture, Landscape Architecture, Nursing (for RNs), and Psychology.

Undergraduate courses include offerings from Temple's General Education and Core curricula and basic courses in Biology, Chemistry, Earth and Environmental Science, and Physics. These enable Pre-Health Professions (Pre-Nursing and Pre-Health Information Management) students to complete the required first two years of prerequisite coursework. Pre-Medical, Pre-Dental, Pre-Pharmacy, Pre-Podiatry, Pre-Physical Therapy, or Pre-Occupational Therapy students may take courses at Ambler required for admission to a professional school. Nurses (RNs) may complete the B.S.N. entirely at Ambler. Pre-Law students may remain at Ambler for four years, pursuing degrees in Business, Community and Regional Planning, Social Sciences, or the Humanities. (See the [Degree Program Chart](#) for a listing of the programs that can be completed entirely at the Ambler Campus.)

The campus is home to Temple's Ambler College, which houses the Department of Landscape Architecture and Horticulture, the Department of Community and Regional Planning (B.S. and M.S. programs), and the Center for Sustainable Communities at Temple University Ambler.

The beautiful landscaped grounds, also known as the Landscape Arboretum of Temple University Ambler, feature formal gardens, a sustainable wetland garden, a green roof garden, an herb garden, wooded areas, a native plant propagation center, and much more.

For a change of pace and scenery, Ambler students can also take courses at Main Campus, Temple University Center City, or the Health Sciences Center. (See [Bus Service](#) below.)

After graduating, many Temple students continue their graduate work at the Temple University Fort Washington Graduate and Professional Center. See the [Off-Site Class Locations/Fort Washington](#) section below.

For more information about Ambler programs, please call 267-468-8000 or check the Temple University Ambler web site at www.ambler.temple.edu.

Academic Awards and Standards at Ambler

See www.temple.edu/ambler/ac_services/scholarships.htm for additional details and application procedures.

- **Ambler Collegial Assembly Awards for Distinguished Academic Achievement:** cash awards to Ambler Campus students, graduating within the current academic year, who have cumulative grade point averages of at least 3.5, have their academic files at Ambler Campus, have taken the majority of their coursework at Ambler, and have set an example of outstanding academic achievement for the Temple University Ambler community. Students must be nominated by an Ambler Campus faculty member.
- **Ambler Collegial Assembly/Ambler Bookstore Award:** a cash award to an Ambler Campus graduating student. See the criteria for the Ambler Collegial Assembly Awards.
- **Joseph R. Beltley Scholarship:** a \$1,000 scholarship awarded to an Ambler Campus Psychology major who has distinguished herself/himself through outstanding participation in community service.
- **Elizabeth Clarke Award for Conservation Education:** \$1,500 award presented to a graduating senior intending to study, teach, or work in the discipline of conservation education; based on the student's positive attitude and financial need.
- **Criminal Justice Scholar's Award:** \$250 award given to an Ambler graduating senior in Criminal Justice who exhibits a passion for learning and outstanding academic achievement.
- **Gold Key Awards for Academic Excellence:** given to Ambler students in the sophomore, junior, and senior classes who have taken the greatest number of credits at the Ambler Campus and have achieved the highest grade point average.
- **Norman J. Kaner Memorial Award:** established by the Temple University History Department and supported by family, faculty, and former students in honor of Norman J. Kaner, a member of the History Department from 1968 to 1993. This \$500 award is given to an Ambler graduating senior in history with the highest grade point average who best exemplifies the values of critical

thought, social curiosity, and intellectual vigor that characterized Professor Kaner's teaching and scholarship.

- **Arnold Raphaelson Scholarship:** given in honor of retired economics professor Dr. Arnold Raphaelson, this scholarship recognizes an Ambler Campus economics major who demonstrates high academic achievement and financial need.
- **Patricia A. Woods Memorial Fund Award:** a \$400 award given to an undergraduate in the pre-health professions, who expresses the desire for advanced undergraduate study in allied health or post-graduate study in the health professions, with a cumulative grade point average of 3.5 or higher and a demonstrated commitment to the health professions through experience or service. The name of the recipient is added to the plaque hanging in West Hall.

Dean's List: Letters are received by students from the dean of the college in which they are enrolled in accordance with the academic criteria for scholastic distinction established by their college or school. See [Academic Policies and Regulations](#).

Academic Standards: Students may receive an academic warning, be placed on probation, or be dismissed from the university based on university standards. See [Academic Policies and Regulations](#).

Support Services

Ambler Campus is a full-service campus with an array of offices and services to assist students in achieving educational success. The services described below are tailored to the needs of Ambler Campus students. For further information about support services provided at Ambler, please check the campus web site (www.temple.edu/ambler/ac_services) and/or the corresponding sections in this *Bulletin* describing these services.

Academic Support Services

Academic Advising

Dedicated professional and faculty advisors at Ambler Campus help students choose a program of study that is suited to their educational and career goals. While the students are ultimately responsible for knowing their academic status and requirements for their degree programs, advisors assist with information about program requirements and university policies and procedures. For transfer students, advisors can answer questions about transfer credit evaluations and determine whether these credits meet Temple program requirements.

- **Office of Academic Advising and Career Development**
West Hall 109
267-468-8200
tuaadvis@temple.edu
www.temple.edu/ambler/advising
This office coordinates academic advising at the Ambler Campus.
- **Center for Undergraduate Advising, Fox School of Business and Management**
West Hall 112

267-468-8350

www.temple.edu/ambler/advising/fox.htm

- **Academic Advising for Criminal Justice**

West Hall Lower Level 3

267-468-8280

www.temple.edu/cjus-ambler

Career Development Services

West Hall 109

267-468-8210

www.temple.edu/ambler/careerdev

Deciding on a major or profession can be a challenge. This office provides a full range of resources and expertise to assist students: counseling/advising, career library, resumé critique, career fair, mock interviews, and workshops. Students also can access Vault, an online career library that offers insight into various industries and job search strategies. Externships, internships, and cooperative work experiences provide students with valuable hands-on learning experiences that can take them one step closer to their future careers. At Ambler, externships and other career opportunities are arranged through the Career Development Services office.

Center for Student Professional Development

West Hall 115

267-468-8354

<http://sbm.temple.edu/cspd/>

The Center for Student Professional Development (CSPD), part of the Fox School of Business and Management, coordinates all activities that support the ultimate goal of business students — choosing a meaningful and rewarding career. This annex is linked with the CSPD located in Speakman Hall 309, at Main Campus. The CSPD strongly urges students to become active members of student professional organizations.

Computer Centers

Ambler Campus Technology (ACT) Center

Learning Center 106

www.temple.edu/ambler/ac_services/technology.htm

Help Desk: 267-468-8323

Computer Labs and Classrooms — Ambler Campus

267-468-8323

- Ambler Campus Technology (ACT) Center "Open" Lab, including PC, Macintosh, and video-editing equipment (Learning Center 106)
- Ambler College Studio/Lab (Library 29)
- PC Computer Classrooms (Learning Center 205, 206, 210, 305, 307, 308)
- Landscape Architecture and Horticulture Department Digital Design Studio (Dixon Hall 208)
- Macintosh/PC Computer Classroom (Learning Center 201)
- Technology "Breakout" Room (Learning Center 115)

- Smart Classrooms (Widener Hall 108, 115, 207, and 211; Bright Hall 206; Dixon Hall 101; Cottage Hall 5; and Learning Center 202, 203, 207, 208, 209, 302, 303, 306, 309, and 310)
- Video-conferencing room (Learning Center 301)
- Wireless Technology

Computer Labs and Classrooms — Temple University Fort Washington

267-468-8507

- PC Classrooms (Rooms 104 and 114 at 401 Commerce Drive and Room 5 at 425 Commerce Drive)
- "Open" Lab (Room 106 at 401 Commerce Drive)
- Videoconferencing Rooms (Rooms 1, 3, 4, 6, 13 and 19 at 425 Commerce Drive)
- Wireless and Smart/Media Technology (at 401 Commerce Drive)

Disability Resources and Services

West Hall 109

267-468-8200

267-468-8262 (TDD)

www.temple.edu/ambler/ac_services/disability.htm

The Office of Academic and Career Development, in conjunction with Disability Resources and Services (division of Student Affairs), provides accommodations for students with disabilities at Temple University's Ambler and Fort Washington campuses.

Library

Library Building

267-468-8642

www.temple.edu/ambler/ac_services/library.htm

The Ambler Library supports the students and faculty with a collection of more than 96,000 books, current periodicals, microfilms, and maps, along with audiovisual materials. The library is part of the Temple University Libraries and through Diamond, the online catalog, and daily deliveries of materials requested via intra-library loan, the Ambler academic community is provided with convenient access to the collections of all of Temple's libraries. The Ambler Library is part of the network that provides online access to the Diamond Online Catalog, electronic databases for research, Internet resources, and the library skills tutorial, also known as the Temple Information Literacy Tutorial ([TILT](#)).

Mathematics-Science Center

(See Writing-Math-Science Center below)

Readmission/Reinstatement

West Hall Lower Level 11

267-468-8244

Matriculated students who have not attended Temple for one semester or more must contact this office for readmission/reinstatement procedures prior to registering.

Tutorial Services

West Hall 109

267-468-8200

www.temple.edu/ambler/ac_services/tutoring.htm

Tutorial services are available during day and evening hours depending on tutor availability. A semester schedule of free departmental tutoring options is available in the offices of Academic and Career Development, the Fox School of Business and Management, Student Life, Widener Hall Faculty Offices, the Library Circulation Desk, East Residence Hall, and the Department of Landscape Architecture and Horticulture.

Writing-Math-Science Center

Learning Center 102

267-468-8386

www.temple.edu/ambler/ac_services/tutoring.htm

Math-Science: Main Campus: 215-204-8466

www.temple.edu/msrc/

Writing: Main Campus Hotline: 215-204-0700

www.temple.edu/writingctr

The Writing-Math-Science Center helps with questions about all aspects of writing, mathematics, and the sciences. It assists with brainstorming and planning papers, reports, and projects, and offers tutoring. This free service is open to all students.

Other Services

Admissions

West Hall

267-468-8100

ambler@temple.edu

www.temple.edu/ambler/admissions

Bookstore

Bright Hall

267-468-8460

www.temple.edu/ambler/about/facilities.htm#bookstore

The bookstore provides textbooks and course materials required for classes. The Temple University Bookstore is an affiliate of Barnes & Noble College Bookstores, offering the services and conveniences of a great bookstore chain. The bookstore also carries general fiction and non-fiction books, reference texts, stationery items, Temple apparel, health and beauty aids, and other useful and convenient items.

Bursar (Student Financial Services)

West Hall 101

267-468-8250

www.temple.edu/ambler/ac_services/financial_aid.htm

The Bursar's Office is available for students to process tuition payments, resolve billing questions, and purchase Diamond Dollars and parking hangtags.

Bus Service

Bright Hall 101

267-468-8425

www.temple.edu/facilities (go to "Shuttle Schedules")

Temple University provides a free bus shuttle service on a regular schedule between the Ambler SEPTA station and the Ambler Campus during the fall and spring semesters. There is also a fall and spring shuttle bus service between Temple Philadelphia area campuses for students with courses on more than one campus. Copies of the schedule and bus regulations are available in the Office of Student Life.

Financial Aid (Student Financial Services)

West Hall 103

267-468-8443

www.temple.edu/ambler/ac_services/financial_aid.htm

General Information

Administration Building

267-468-8000

www.ambler.temple.edu

Health Services

Darwin Module

267-468-8490

www.temple.edu/ambler/ac_services/student.htm

The Health Services office allows students to drop in as needed to discuss health concerns with the RNs, who are certified in college health, and physicians. Brochures are available on a wide range of health topics. Services provided at Temple University Ambler include: General Medical Clinic, Allergy Clinic, Self-care Center, Psychiatric and Psychological Services (see below). These services are available to all currently-enrolled students with a valid University I.D. Many services are free; some have discount charges for medication and treatment.

Off-Campus Housing

Bright Hall 101

267-468-8425

www.temple.edu/ambler/student_life/housing.htm

Students in search of a place to live off-campus have a resource they can turn to for help. Each semester the Office of Student Life publishes a housing guide, which lists apartments and houses to rent or share.

Parking

West Hall 101

267-468-8250

www.temple.edu/ambler/about/parking.htm

Parking is provided for both commuter and residential students. Special accommodations are available for students with disabilities. See the Bursar's Office for more details. Temple students must purchase a \$67 hangtag/decal from the Bursar's Office for any vehicle they wish to park on

campus lots. The permit is good for a full academic year through August 31. There is no daily charge to park.

Psychological Services

Darwin Module

267-468-8490

www.temple.edu/ambler/ac_services/student.htm

Main Campus: 215-204-7276

www.temple.edu/studenthealth

Free and confidential Psychological Counseling Services are available by appointment only. Emergencies and/or “walk-ins” are managed on the Main Campus at Tuttleman Counseling Services located at 1810 Liacouras Walk, 5th floor.

Student Financial Services (See Bursar and Financial Aid above.)

Registration/ID Cards

West Hall 102

267-468-8248

amblerreg@temple.edu

www.temple.edu/ambler/ac_services/registration.htm

This office provides information and assistance regarding: registration procedures, enrollment verifications, transcript requests, photo identification cards, and Pennsylvania residency requirements.

Special Facilities and Programs

Athletic Facilities

www.temple.edu/ambler/campus_life/athletics.htm

Temple University Ambler is the full-time home for Temple's baseball, softball, and men's and women's soccer teams. The NCAA Division I teams practice and play all home games on fields located on the tract bound by Meetinghouse Road, Butler Pike, and Woods Drive. All games and practices take place during the day. Admission is free to all home games. The Intercollegiate Athletics Field House, located near the fields, has “green roof” structures, developed by Temple University with the help of a \$50,000 grant from PECO Energy. A green roof is a living biological community of plants that provides an environmentally-sound alternative to a traditional roof system. The green roof garden allows for educational and research opportunities for students and faculty.

Auditorium

www.temple.edu/ambler/about/learningcenter.htm

The 300-seat Learning Center Auditorium, with smart technology and performance space, provides opportunities to offer cultural, educational, and entertaining events for our students and the surrounding community. In this venue, Ambler Campus, once home to the Temple University Music Festival and Institute, again can present a Cultural Series including music and dance performances and lectures.

Center for Sustainable Communities (CSC) at Temple University Ambler

Jeffrey Featherstone, Ph.D., Director
Susan Spinella, M.S., Assistant Director
West Hall, Second Floor

www.csc.temple.edu

The Center for Sustainable Communities develops and promotes new approaches for protecting and preserving quality of life through sustainable development, balancing the relationship between environmental integrity, economic prosperity, and social equity. It was designed to build on Temple University Ambler's strengths in horticulture, landscape architecture and planning and to draw upon the expertise of all Temple University faculty. A working resource for government agencies, community organizations, and developers, the center provides objective information and services to improve decision-making relative to land use and water resources planning, in addition to conducting interdisciplinary research and offering educational and community outreach programs.

Criminal Justice Training Programs (CJTP)

Haines House
267-468-8604

www.temple.edu/ambler/about/facilities.htm#special

Criminal Justice Training Programs, a division of the Department of Criminal Justice, has conducted training for a variety of criminal justice agencies and occupations since 1968. Each year, more than 4,000 criminal justice professionals attend programs offered by CJTP, including police officers, deputy sheriffs, state constables, legislative security officers, school security officers, and magisterial district court staff. Other activities include criminal-justice continuing-education programs for agencies allied to the criminal justice system, including public safety, citizen, and community groups. CJTP also is responsible for the development of training curricula for various occupations. Students in any major who are completing their degree programs are eligible to attend the police academy in preparation for a career in law enforcement.

Greenhouse

267-468-8174

www.temple.edu/ambler/about/facilities.htm#special

The Greenhouse at Temple University Ambler provides students with a first-class facility to study plant and soil science. The energy-efficient greenhouse includes computerized climate controls and thermal blankets to protect the plants in the winter and shade them in the summer. Modern fertilizer injection systems water and fertilize plants simultaneously. In addition to being used for coursework, the greenhouse provides faculty and students with a facility to conduct horticulture research that is at the forefront of the industry.

Infant Study Lab

Kathy Hirsh-Pasek, Ph.D., Co-Director
Nora Newcombe, Ph.D., Co-Director
Haines House
267-468-8610

infntlab@temple.edu

www.temple.edu/ambler/about/facilities.htm#special

The Temple University Ambler Infant Lab invites parents and their children to shape the future by participating in research at the frontiers of science. The lab is directed by nationally-recognized child development authorities and professors Dr. Kathy Hirsh-Pasek and Dr. Nora Newcombe. Faculty and staff provide fun-filled activities for infants and toddlers who become part of cutting-edge scientific discoveries. Parents learn more about their children's first words and ability to create mental maps. At the lab, infants and toddlers teach scientists new ways to optimize education and advance learning.

Landscape Arboretum of Temple University Ambler

Jenny Rose Carey, Director

267-468-8400

www.temple.edu/ambler/arboretum

The Temple University Ambler Campus has a long history and rich tradition of horticulture and landscape design. Established as the Pennsylvania School of Horticulture for Women in 1911, the 187-acre campus represents a unique mix of natural and designed landscapes. The gardens and campus serve as excellent outdoor teaching laboratories for numerous classes and as a source of inspiration for students, faculty, and visitors.

The Ambler Campus was officially designated an arboretum in March 2000. Now known as The Landscape Arboretum of Temple University Ambler, it continues to develop as a living laboratory. As the home of Temple University's Department of Landscape Architecture and Horticulture, the Ambler Campus has a myriad of learning gardens, including a ground cover garden, native plant garden, formal gardens, green roof garden, rock wall, woodland garden, sustainable wetland garden, trial garden, the Viola Anders herb garden, the Philip A. and Barbara F. Albright Winter Garden, and large perennial borders. New gardens under construction are a dwarf conifer garden and a healing garden.

Learning Center

www.temple.edu/ambler/about/learningcenter.htm

The 72,000-square-foot Learning Center opened in Fall 2006. With its smart classrooms, wireless technology, computer classrooms, and new auditorium, the Learning Center is the focal point for student learning at Ambler.

Features:

- 300-seat auditorium with smart technology and performance space.
- *Café a la Carte*, cyber café, and wireless lounges.
- 90-seat Ambler Campus Technology center with Help Desk
- Ten Smart Classrooms with interactive multimedia.
- Seven computer classrooms with the latest PC and Mac technology and software for all Temple programs.
- Studios for painting and drawing/drafting
- Student lounges on every floor.
- Video-conferencing room
- Writing-Math-Science Center with computer lab.

Student Life

Leadership Awards at Ambler Campus

For more information on leadership awards, contact the Office of Student Life.

The following awards are presented annually in April:

- **Alpha Chi Rho, Phi Kappa Chi chapter, Jamie Dickson Memorial Scholarship:** \$600 awarded by the Phi Kappa Chi chapter of the Alpha Chi Rho fraternity to a full-time student at the Ambler Campus who embodies compassion and determination. The recipient is a sophomore, junior, senior or graduate student; must possess a minimum cumulative grade point average of 2.5; and must display involvement in extracurricular activities at Ambler, focusing on campus and community service. Preference is given to students majoring in Education.
- **Alpha Kappa Alpha Sorority, Phi Beta Omega Chapter, Book Award:** two \$500 awards to sophomore, junior, or senior African American students with a minimum cumulative grade point average of 2.5 who have demonstrated involvement in extracurricular activities, focusing on campus and community service.
- **Ambler Campus Alumni Scholarship:** \$250 to an Ambler Campus student, in any year of study, with minimum grade point average of 3.0, involvement in extracurricular activities at Ambler, and financial need. Nominations must be submitted by faculty or staff, and the candidate must submit a brief essay describing what the Ambler Campus has meant to him/her and how he/she sees the campus affecting future Temple University students. The non-renewable scholarship must be used in the semester immediately following receipt.
- **Bob Sundermeier Award:** a \$250 award to an undergraduate student, with a cumulative grade point average of at least 2.5, who, through participation in extracurricular activities involving leadership roles and campus service, demonstrates the characteristics of the friendliness, ingenuity, and dedication of the late Bob Sundermeier, a member of the Ambler Facilities management staff for many years.
- **Criminal Justice Leadership Award:** awarded to a graduating Criminal Justice major who has demonstrated academic excellence and an affinity for service to the Criminal Justice Department and the community.
- **Dean's Leadership Award:** awards presented to graduating seniors. Recipients must have made outstanding contribution(s) to the Ambler Campus community during their years at Temple, possess a minimum cumulative grade point average of 2.5, and demonstrate leadership qualities through academic, co-curricular, and/or other services.
- **The Louise Bush-Brown Good Citizenship Award:** presented to the female upperclassman of the Residence Hall who, in the opinion of her fellow residents, has been the most considerate, most tolerant, and most loyal and responsible in her devotion to the ideals of the university. The name of the winner is added to the bronze plaque hanging in East Hall residence.
- **Mary Wald Banking and Finance Award:** a \$250 award given to a Temple University student who has a minimum grade point average of 2.75 and has made an outstanding contribution in the current school year to one of the Ambler Campus Fox School of Business and Management student organizations.
- **Outstanding Freshman Award:** presented, when warranted, to a student who demonstrates leadership potential during the freshman year.

- **Outstanding Student Leader of the Year Award:** presented to the outstanding student leader of the current academic year.
- **Outstanding Student Organization of the Year Award:** presented to the one student organization that has been a “shining example” to other organizations during the academic year by sponsoring quality programs that showed innovation and hard work.
- **Russell Conwell Award:** sponsored by the Office of Student Life, this award is presented to a student or a student organization that has stepped outside their comfort zone to be involved in campus life.
- **Special Achievement Award:** presented to the student or organization for a specific program or service that has had an impact on the quality of life at Ambler Campus in this academic year.

Office of Student Life

Bright Hall 101

267-468-8425

www.temple.edu/ambler/student_life

The Office of Student Life coordinates the New Student Orientation program, offering overnight orientation sessions for incoming freshmen and an online orientation for new transfer students. As part of this orientation, academic advisors assist students with academic planning and registration.

For current students, this office supports and complements the university's academic mission by promoting social, cultural, educational and developmental programs for the students at Ambler. The office provides opportunities through campus-wide programming and student organizations for students to develop special skills and interests, to interact regularly with other students, to plan and manage events, to participate in leadership training and self-governance, and to become involved in community-service projects.

Student Activities Office

Bright Hall Lounge

267-468-8427

www.temple.edu/ambler/student_life/facilities.htm

Students may obtain information about student activities including the campus activities calendar, ticket sales for athletic and entertainment events, bus schedules, off-campus housing, and general campus information.

Student Organizations

Bright Hall 101

267-468-8425

www.temple.edu/ambler/student_life/studentorganizations.htm

There are about 30 student organizations on campus, including the A-Team, Alpha Chi Rho fraternity, Ambler Accounting Professional Society, Ambler Owlreach, Ambler Poker Players Association, Ambler Program Board, American Marketing Association, Beta Alpha Psi accounting honor society, Brothers and Sisters United, Communications Society, Commuters and Residents Together (C.A.R.T.), Criminal Justice Society, Gamers Anonymous, Gamma Sigma Sigma sorority, Hillel, Indian American Association, Jubilee, Landscape Architecture and Horticulture Student Association, Latinos Unidos at Ambler, Learning to Include Numerous Cultures (L.I.N.C.), Night O.W.L.S.(Organizing Work, Life, and School), Organization of

African Students, Owl Ambassadors, PA Students Working Against Tobacco (PA SWAT), *The Parable* literary and arts journal, Pi Alpha Xi Horticulture honor society, Pi Phi sorority, Psychology Society, Residence Hall Senate, Sigma Chi Delta sorority, Sigma Lambda Alpha Landscape Architecture honor society, Society for Exceptional Educators, Society for Human Resources Management, Student Government Association, *Temple Column* newspaper, Temple Planning Society (T.P.S.), Transfer Student Organization (T.S.O.), United Voices of Praise, and WRFT-AM Radio 1610.

For information about student organizations in the Fox School of Business and Management, please refer to that section of the *Bulletin*.

Student Government Association

Bright Hall, 1st Floor
267-468-8429

www.temple.edu/ambler/student_life/studentorganizations.htm

The Ambler Student Government Association (ASGA) enables Ambler students to seek solutions to their concerns pertaining to all aspects of the campus by serving as a liaison between the student body and university administration.

Campus Recreation

Gymnasium
267-468-8151
Pool
267-468-8152

www.temple.edu/ambler/campus_life/recreation.htm

Recreational sports opportunities include intramurals, open recreation, aquatic programs, aerobics, and special events. A wide variety of activities are offered, ranging from structured, competitive leagues to self-directed fitness avenues. Facilities include an indoor/outdoor pool, a fitness room with both cardiovascular and free weight equipment, and basketball and tennis courts. Students may also participate in Main Campus recreational activities.

Residence Hall

267-468-8495

www.temple.edu/ambler/student_life/housing.htm

East Hall is a two-story traditional residence hall, with double rooms, shared bathroom areas, social lounge areas, study rooms, computer lab, kitchens with microwaves, fitness equipment, and recreational areas. The hall has 24-hour security and is staffed by professionals and paraprofessionals who create a positive living environment. The complex has its own Residence Hall Senate, which plans social and educational activities for residents. Meals and snacks are served in the campus Dining Center.

Student Media

Bright Hall, 1st Floor
Newspaper
267-468-8430

Radio Station

267-468-8416

www.temple.edu/ambler/student_life/studentorganizations.htm

The *Temple Column* (newspaper) and WRFT-AM 1610 AM (radio station) are managed and operated entirely by students. These organizations provide communications students with challenging opportunities to become involved in various aspects of mass media production such as marketing, advertising, and management for the *Temple Column* and/or WRFT. Students in all majors are welcomed and encouraged to participate.

Off-Site Class Location

Temple University Fort Washington

401 and 425 Commerce Drive

Fort Washington, PA 19034

267-468-8500

www.tufw.temple.edu

The Temple University Fort Washington (TUFW) Graduate and Professional Education Center is the teaching site for most of Temple University Ambler's graduate programs. Located in the Fort Washington Office Park, the center has about 750 attending students and features corporate-style classrooms, video conferencing rooms, and state-of-the-art computer labs. The Fort Washington Campus also facilitates a wireless infrastructure in five classrooms, two student lounges, and the vending area. Students may complete master's degrees in various graduate-level program areas.

The Office of Non-Credit and Special Programs, located at TUFW, provides seminars at the Graduate Center in professional development and computer applications for today's workforce. It also provides hundreds of non-credit programs at the Ambler and Fort Washington campuses throughout the year. From certificates in meeting and wedding planning, to digital photography, to trips to historical sites and museums, to summer education camps for young people, the non-credit courses are designed to enhance professional skills and enrich personal interests. Workshops are also available to prepare for the SAT, GMAT, LSAT, and GRE.

Temple University Fort Washington's LifeLong Learning Society is comprised of a series of courses offered in the daytime during the fall and spring semesters for adults ages 50 and up with an interest in furthering their education. These personal enrichment courses range from explorations of classical music to discussions of current events.

Administration

For contact information or updates, go to www.temple.edu/ambler/about/directories.htm

James W. Hilty, Acting Dean, Ambler College; CEO, Temple University Ambler; Ph.D., University of Missouri

Crisbel Baez, Manager of Administration, B.B.A., Temple University

Jenny Rose Carey, Director, The Landscape Arboretum of Temple University Ambler, B.Sc., Southampton University, England

Marylou Delizia, Director, Temple University Fort Washington Graduate and Professional Education Center; Director, Office of Non-Credit and Special Programs; M.Ed., Temple University

Jeffrey Featherstone, Director, Center for Sustainable Communities; Research Professor, Department of Community and Regional Planning, Ph.D., Temple University

Bonnie Frumer, Assistant Dean for Curriculum, M.A., Temple University

Deborah Howe, F.A.I.C.P., Chair and Professor, Department of Community and Regional Planning, Ph.D., University of Michigan

Susan Hyer, Director, Computer Services, M.Ed., Beaver College (Arcadia University)

Saul Katzman, Director of Finance and Operations, B.B.A., Temple University

Wanda Lewis-Campbell, Assistant Dean for Student Life, Ed.D., Temple University

Linda M. Lowe, Director of Development and Alumni Affairs, B.A., Duquesne University

Mary E. Myers, R.L.A., A.S.L.A., Chair and Associate Professor, Department of Landscape Architecture and Horticulture, Ph.D., Heriot-Watt University, Edinburgh College of Art, Scotland

Lolly Tai, R.L.A., F.A.S.L.A., Senior Associate Dean, Professor of Landscape Architecture, Ph.D., Heriot-Watt University, Edinburgh College of Art, Scotland

Sandra Thompson, Head of Suburban Campus Libraries, M.L.S., Drexel University

James Van Blunk, Director of Admissions and Marketing, M.S.Ed., Saint Joseph's University

Staff

Michael Bavas, Senior Technical Support Specialist, Computer Services, M.I.S., Kennedy Western University

Debra L. Beck, Administrator, Department of Community and Regional Planning

Rachel Berger, Marketing and Special Events Coordinator, B.A., Temple University

Timothy Bucher, Director, Temple University Police Academy, M.Ed., University of Virginia

Dorothy Busillo, Administrative Assistant and Meeting Coordinator, Temple University Fort Washington, B.S., Millersville University

Deena M. Crimaldi, Admissions Counselor, B.A., Fairfield University

James Duffy, Public Relations and Web Site Coordinator, B.A., The Pennsylvania State University

Christopher Fitzgerald, Manager, Barnes and Noble Bookstore, B.S., Lock Haven University of Pennsylvania

Rhonda E. Geyer, Director, Non-Credit Programs, B.A., Mansfield University

Rachel Oliver Gionta, Assistant Director of Admissions, B.A., Temple University

Karen Grow, Media Coordinator of Instructional Support Services, B.A., Virginia Polytechnic Institute and State University

Thomas Johnson, Resident Director-Ambler Campus, M.Ed., Kutztown University of Pennsylvania

Desiree Jones, Admissions Counselor, B.A., Drew University

David M. Kaiser, Director of Enrollment Management, Fox School of Business and Management, B.A., Temple University

Patricia Kelly, Schedule Manager, B.A., College of William and Mary

Barbara M. Leopold, Assistant Director, Financial Aid, B.A., Temple University

Irene Lojeski, Assistant Director of Student Services-Academic Services and Administration, M.Ed., Temple University

Sonia Medina, Office Manager, Student Services

Anthony Morton, Director of Food Services for Sodexo

Jennifer S. Mull, Assistant Director of Development, B.A., Ashford University

Paul Myers, Recreation Specialist, M.Ed., East Carolina University

Joan O'Connell, Librarian, M.L.S., Clarion University of Pennsylvania

Larry O'Reilly, Senior Technical Support Specialist, Computer Services, Temple University Fort Washington, B.B.A., Temple University

Kelly Otis, Admissions Counselor, B.S.Ed., Temple University

Reid Overturf, Senior Technical Support Specialist, Computer Services

Linda Palmarozza, Department Manager, Department of Landscape Architecture and Horticulture, B.A., Rutgers, The State University of New Jersey

Susan E. Spinella, Assistant Director, Center for Sustainable Communities, M.S., Temple University

Greg Szczepanek, Senior Technical Support Specialist, Computer Services, Instructional Support Center, M.A., Temple University

Lorraine Warner, Administrative Coordinator, Fox School of Business and Management

Karen Watts, Horticulture Technician Supervisor, B.S., Temple University

Brent Whiting, Senior Technical Support Specialist, Computer Services, Department of Landscape Architecture and Horticulture, B.S., Temple University

Michelle Whiting, Administrative Specialist, Office of the Dean

Lauren J. Williams, Coordinator of Student Activities, M.Ed., Florida State University

Holly Beth Wilson, Librarian, M.L.I.S., Drexel University

Program Coordinators/Advisors

(See the [Ambler College](#) section of this *Bulletin* for a listing of faculty advisors in the Departments of Community and Regional Planning and Landscape Architecture and Horticulture.)

Richard Burke, Psychology Advisor, Professor Emeritus of Psychology, Ph.D., University of Wisconsin

Harriet Butterfield, Academic Advisor, Fox School of Business and Management, B.A., Temple University

Lucille D’Emilio-Wilkinson, Academic Advisor, M.A., La Salle University

Lisa Fell, Academic Advisor for Liberal Arts, M.S.S.W., University of Wisconsin-Madison; M.A., University of Michigan, Ann Arbor

Harriet P. Freidenreich, Coordinator of History, Ph.D., Columbia University

Scott Gratson, Program Director for the Communications Major, Ph.D., University of Denver

Kathryn Hirsh-Pasek, Co-Director, Infant Lab, Ph.D., University of Pennsylvania

Michael Hooper, Coordinator of Political Science, Ph.D., University of Illinois

Cheryl Irons-Guynn, Coordinator of Criminal Justice, J.D., Temple University

Wendy Lebing, Assistant Dean, QA/RA Program, M.A.L.D., Tufts University; M.S., Temple University

Cheryl Leeser, Academic Advisor, M.A., Immaculata College

Mia K. Luehrmann-Cowan, Associate Dean for the Sciences at Ambler, College of Science and Technology, Ph.D., University of Illinois, Urbana

Rhonda E. Maneval, Director, RN-BSN Advanced Placement Program, R.N., Ed.D., The Pennsylvania State University

Robert Mason, Director, Environmental Studies, Ph.D., Rutgers, The State University of New Jersey

Susan McCaffrey, Assistant Director of Student Services-Academic Advising, Disability Resources and Services Coordinator, M.S., Western Maryland College

William D. Nathan, Director of Mathematics, Ph.D., Syracuse University

Nora Newcombe, Co-Director, Infant Lab, Ph.D., Harvard University

Diana Pazicky, Coordinator of English, Ph.D., Temple University

Melinda Pierce, Career Coordinator, M.A., West Chester University of Pennsylvania

Stephanie Schull, Coordinator of Intellectual Heritage for Ambler and Tyler, Ph. D., The State University of New York at Stony Brook

Jane Slotterback, Advising Coordinator, School of Communications and Theater, M.Ed., Temple University

John Sorrentino, Coordinator of Economics, Associate Professor, Ph.D., Purdue University

Rani Thiramongkol, M.B.A. Advisor, Fox School of Business and Management, Ph.D., Oklahoma State University

Janine C. Warnas, Academic Advisor, M.S., Gwynedd-Mercy College

Susan Young, Associate Director, Center for Undergraduate Advising-Ambler, Fox School of Business and Management, M.Ed., Lehigh University

Temple University Center City

1515 Market Street
215-204-TUCC
www.temple.edu/tucc/

Located just across the street from City Hall and surrounded by the home offices of major national corporations, Temple University Center City (TUCC) offers an outstanding selection of undergraduate and graduate courses and full degree programs in the evening, as well as stimulating non-credit workshops and seminars during the day, in the evening, and on weekends.

Administration

William E. Parshall, M.P.A., Director
William H. Schreiber, M.A., Associate Director

Credit Programs

Most of Temple University's schools and colleges offer courses at TUCC. It is possible to complete the following undergraduate degree programs at TUCC in the evening:

- Accounting
- Business Management-Marketing Concentration
- Economics
- English
- History

Student Services

Hours of Operation

During the semester the TUCC administration office (suite 215) is open 8:30 a.m. to 8:00 p.m., Monday through Thursday, and 8:30 a.m. to 5:00 p.m. on Friday. When Temple University is not in session, please call 215-204-TUCC for hours.

Academic Advising and Registration

TUCC's Advising Coordinator can give you the information and support you need to succeed. Office hours are scheduled into the evening so that you can make an appointment during your lunch hour or after work. You can also discuss transfer options and career-related topics. Call 215-204-4358 for information or an appointment. If you are admitted to a degree program, you must be advised by a representative of your school or college. If you are a student in the College of Liberal Arts, send an e-mail message to prob@temple.edu and specify that you want a TUCC appointment. If you are a student in the Fox School of Business & Management (FSBM), use the FSBM Online Appointment System, accessed through Blackboard-Fox Advising. Specify that you want an appointment at TUCC.

The Bookstore

The Bookstore is located on the third floor. In addition to textbooks, it offers magazines, school supplies, light snacks, soft drinks, and Temple merchandise. Call 215-204-1514 for more information about specific items or store hours.

Career Advising

TUCC's Advising Coordinator can help you with career-related information. You can obtain information regarding your options and help to get you going in the direction that is right for you. Call 215-204-4358 for an appointment.

Cash Operations

A Cash Operations representative is available on the ground floor to process payments for tuition and fees. It is possible to pay by cash, check, or money order. MasterCard, Discover, and American Express credit cards are accepted only over the web. A convenience fee will be charged when paying with a credit card. Call 215-204-1175 for more information or hours of operation.

Computer and Media Services Center

Using a computer or accessing library information is as easy as a trip to the Computer and Media Services Center located on the fourth floor. The staff will assist you in using mainframe and personal computers or in conducting library research in the Scholars Information Center (SIC). It is also possible to establish an e-mail account, obtain language tapes, and reserve audio-visual materials through the center. Faculty can place books and articles on semester reserve. Call 215-204-1521 for more information about available resources or hours of operation.

Student Photo ID Cards

Students registering for the first time can have a photo ID card made in the TUCC administration office (suite 215). Call 215-204-TUCC for more information or hours of operation. Students who have lost their photo ID card can obtain a replacement card for a \$10 fee.

Parking

As a service to our students, TUCC has negotiated parking discounts with Central Parking at two of its locations. TUCC has no business relationship with these garages and does not play any role in making their policies. In order to receive the discount, students must have their parking ticket validated and show their Temple ID card. The validation and list of participating garages are available at the security desk in the ground floor lobby area. A list of participating garages is also available on the [TUCC](#) web site in the "About Us" section.

Facilities

The TUCC campus occupies six floors at 1515 Market Street. All together there are over 60 classrooms, conference rooms, and computer classrooms.

Conference Facilities

Located in the heart of downtown Philadelphia close to restaurants, shopping, and entertainment, TUCC's conference center provides ideal meeting space for 10 to 100 people. Flexible room configurations with customized set-ups let you plan educational activities and meetings for large and small groups. State-of-the-art presentation equipment and Internet connectivity are available. Call 215-204-4357 for more information.

Copy Machine

A copy machine for student use is available in the café area on the fourth floor. It accepts both Diamond Dollars and cash. Call 215-204-7271 if there is a problem with the machine.

Information Kiosks

An information kiosk, located in Suite 215, allows you to obtain information from Temple web sites. Currently enrolled matriculated students can use the OWLnet site to access records and process registration and payment transactions.

Lounges and Café areas

Lounges and café areas are located on all floors and provide a good place to relax or study.

Coffee and Refreshments

A snack bar in the lounge area on the sixth floor offers fresh-brewed coffee, soft drinks, sandwiches, salads, and a variety of light foods and snacks.

Public Pay Telephone

A public pay telephone is located in the lounge area on the second floor.

TTY

A TTY (text telephone) machine (215-204-1900) is available on the second floor for staff and student use.

Vending Machines

Vending machines are located in the lounge areas on the second floor, and in the café areas on the third, fourth, and fifth floors. Call 215-204-7271 if there is a problem with the machines.

Internet Access

Wireless Internet access is available throughout the TUCC campus. In addition, Ethernet connections and power outlets are located around the perimeter of all lounge and café areas. Please note that you must first register the machine address code (MAC) of your laptop with Computer and Media Services before you can take advantage of this service. For more information, contact Computer and Media Services, 215-204-1521.

Non-Credit Programs

The following constitute non-credit programs at TUCC. For detailed information on these programs, see the [Special Programs](#) section of this *Bulletin*.

The Business Agenda

Non-credit career and professional development training. Call 215-204-4335 for more information.

Institute for Continuing Studies

Non-credit personal enrichment programs. Call 215-204-6946 for more information.

Real Estate Institute

Non-credit real estate programs for professionals and consumers. Call 215-204-1530 for more information.

Music Prep

Dynamic non-credit music and dance programs for infants through adults. Call 215-204-1512 for more information.

Osher Lifelong Learning Institute at Temple University (OLLI)

OLLI is a membership organization that offers non-credit learning and enrichment programs for retirees. Call 215-204-1505 for more information.

Temple University Harrisburg

Link Martin, M.S.W.
Director
Temple University
234 Strawberry Square
Harrisburg, PA 17101

717-232-6400

www.temple.edu/harrisburg

Lynn Notestine, M.S.W.
Assistant Director
Temple University
234 Strawberry Square
Harrisburg, PA 17101
717-232-6400

Temple University Harrisburg (TUH) is a satellite of Temple University in Philadelphia, offering graduate programs and some undergraduate courses designed for the adult learner. TUH currently offers graduate degree programs in Educational Administration, Educational Psychology, Business Administration, Community & Regional Planning, and Social Work. Principal, Superintendent, and Supervisory Certification programs are also available.

Temple University Harrisburg is located in the heart of downtown Harrisburg, the home of Pennsylvania's state government and capitol. Additionally, the campus is conveniently located within the Strawberry Square complex, close to many state associations and businesses.

For further information, please see the TUH web site at the following web address:

www.temple.edu/harrisburg

Temple University Health Sciences Center

3307 N. Broad Street
Philadelphia, PA 19140-5101
Phone: 215-707-4800
Fax: 215-707-7819
e-mail: chp@temple.edu

Programs and services of the School of Medicine, the Maurice H. Kornberg School of Dentistry, the School of Pharmacy, the College of Health Professions, and Temple University Hospital are at the Health Sciences Center. Buildings and facilities, covering some 20 acres, extend to either side of North Broad Street from Allegheny Avenue to above Tioga Street. Public transportation to the campus includes the "C" bus on Broad Street, the Broad Street subway (Allegheny stop to the south, Erie stop to the north); the North Broad and the North Philadelphia stations of the Regional High-Speed transit lines are between the Health Sciences Center and Main Campus.

The Maurice H. Kornberg School of Dentistry is located at 3223 North Broad Street. The College of Health Professions' lecture rooms and laboratory and the School of Pharmacy are located at 3307 N. Broad Street. The College of Health Professions' Office of the Dean and department offices are located in Jones Hall.

Many of the facilities of the School of Medicine, including the Medical School Library and Temple University Hospital, are located on North Broad Street between Ontario and Tioga

Streets. The Student Faculty Conference Center, on the southwest corner of Broad and Ontario Streets, provides a wide range of facilities, services, and educational programs. The Office of Student Activities provides educational, recreational, and auxiliary services, coordinates lounges and study areas, recreation classes, ping pong, pinball machines, basketball and volleyball intramurals, tennis, popular films, a cafeteria, art gallery, and seminars. The lower basement contains racquetball courts, weight rooms, and complete locker room facilities with saunas. The fourth floor houses a full continuing education and conference center. For more information, call 215-707-4017.

The School of Podiatric Medicine, part of the Health Sciences Center, is located at 8th and Race Streets.

Each of the schools and colleges located at the Health Sciences Center offers student and academic services. For a specific program or service of the undergraduate schools, refer to the appropriate section of this *Bulletin*, or inquire at the Office of the Dean. For information about the schools of Medicine and Dentistry, contact their respective dean's offices.

Housing and Dining Options

Residential housing is provided on the Main Campus and is accessible by a Temple University shuttle bus or convenient public transportation. Dining options are available at the Student Faculty Conference Center, the hospital cafeteria, and the Main Campus dining centers.

Contact information

Temple University College of Health Professions
3307 North Broad Street
Philadelphia, PA 19140
Ronald T. Brown, Ph.D., Dean
215-707-4800
www.temple.edu/chp

Maurice H. Kornberg School of Dentistry
3223 North Broad Street
Philadelphia, PA 19140
Amid I. Ismail, B.D.S., M.P.H., M.B.A., Dr.P.H., diplomate ABDPH, Dean
215-707-2803
www.temple.edu/dentistry

Temple University School of Medicine
3420 North Broad Street
Philadelphia, PA 19140
John M. Daly, M.D., F.A.C.S., Dean
215-707-7000
www.temple.edu/medicine

Temple University School of Podiatric Medicine
8th and Race Streets
Philadelphia, PA 19107
John Mattiacci, D.P.M., Dean
215-629-0300
800-220-FEET
<http://podiatry.temple.edu>

Temple University School of Pharmacy
3307 North Broad Street
Philadelphia, PA 19140
Peter H. Doukas, Ph.D., Dean
215-707-4990
www.temple.edu/pharmacy

Temple University Hospital
3401 North Broad Street
Philadelphia, PA 19140
<http://tuh.templehealth.org/content/>

Temple University, Tyler Elkins Park Campus

Tyler School of Art
Elkins Park Campus
7725 Penrose Avenue
Elkins Park, PA 19027
215-782-2828
tyler@temple.edu
www.temple.edu/tyler

Therese Dolan, Interim Dean

The Tyler School of Art B.F.A. and M.F.A. programs provide a comprehensive curriculum in the visual arts on both the undergraduate and graduate levels. Professional programs are offered in Ceramics and Glass, Fibers and Fabric Design, Graphic and Interactive Design, Metals/Jewelry/CAD-CAM, Painting, Photography, Printmaking, and Sculpture. Summer classes and weekend workshops are available.

Tyler also offers the following programs on the main campus of Temple University: B.Arch. and B.S. in Architecture, B.A. in Art, B.A. in Art History, and B.S. in Art Education. For more information on these programs, please go to the [Tyler School of Art](#) section in this *Bulletin* or to the Tyler web site listed above.

The Campus

The campus, located on a 14-acre estate in suburban Elkins Park, offers a diverse and active schedule of events.

Tyler's small size offers many opportunities for interaction with faculty members and other students. In addition to the close-knit community of faculty and students, Tyler boasts excellent studio facilities, a large art library, and exhibition spaces. There is an extensive program of visiting lecturers and artists throughout the year. Films, demonstrations, gallery openings, and social events provide a stimulating environment outside the classroom where students may meet to discuss work and make contact with professional artists.

Tyler is conveniently located near public transportation, allowing easy access to Center City Philadelphia, which enables students to participate in the many activities a metropolitan area has to offer them. The Student Van Service provides safe, free travel within a 2.5-mile radius of the campus. The service operates Monday through Friday from 7:00 p.m. to 12:00 a.m. It provides a safe means of transportation from the campus to SEPTA rail and transit stations or to students' local residences.

Tyler's Elkins Park Campus is also on the Temple University Shuttle Bus route, which provides free transportation to students between the Ambler, Tyler Elkins Park and Main campuses. Daily shuttle bus service is available during the fall and spring semesters. For a copy of the shuttle schedule, call 215-204-2200.

Parking

All B.F.A. students are allowed and, therefore, expected to park on the Tyler Elkins Park Campus while attending school. Although there is no daily charge for parking facilities, a yearly parking decal is required at a nominal fee. Both Cheltenham Township and Temple University strictly prohibit illegal parking in fire zones or handicapped spaces. Vehicles will be towed. A copy of the parking policy may be obtained at the Student Services/Activities Office.

Residence Halls

Beech Hall, the dormitory located on the Tyler campus, is a three-story facility that houses 150 residents. It has shared double (and a few triple) rooms and common bathroom areas, a recreation and fitness center, a computer lab, a lounge with a large screen television, 24-hour work studios, and laundry facilities. The Residential Life Staff work in conjunction with a student governing board to create a positive community living environment through social, cultural, and educational activities. Students who live in Beech Hall Residence participate in a campus meal plan/declining balance program. The meal plan can be used at any of the Temple University Dining Halls and the declining balance can be used at Tyler's Starving Artist Cafeteria/Vendeteria among other participating restaurants and snack bars on Temple's campuses. Dining facilities are located in the lower level of Beech Hall Residence and serve three meals on weekdays and two on weekends.

Health Services

A well-equipped dispensary on campus, which offers a variety of services and art hazards information, operates in Penrose 001. It is staffed part-time with a registered nurse, a physician and a counselor. Information about dispensary hours or any other health-related issue can be found by calling 215-782-2825

Student Life

Student Life, located on the third floor of Tyler Hall, handles most of the non-academic, extracurricular activities, including: entertainment, student organization assistance and

development, off-campus jobs and housing, museum bus trips, and student publications production.

Student Organizations

For information on student organizations, go to the [Tyler School of Art](#) section in this *Bulletin*.

Special Facilities

Local and national exhibitions that demonstrate vital movements in contemporary art are scheduled in Tyler Gallery on campus and the Temple Gallery in Old City Philadelphia. The openings for these shows allow students the opportunity to meet and talk with the artists. The student-run gallery on campus provides a continual showcase of student work. Call 215-204-8982 for more information.

The Elkins Park campus also houses the Barnes and Nobles Elkins Park campus bookstore (which also sells art supplies), a Bursar's Office (for payment of bills), the Starving Artist Cafeteria/Vendeteria, the Student Computer Center (located in the Penrose Hall Library), the Office of Student Financial Services, the Tyler Library, the Tyler Slide Library, and the Office of Registration and Records.

Tyler Important Contact Information

Academic Advising 207 Tyler Hall 215-782-2780	Business Office 210 Tyler Hall 215-782-2751	Registration and Records 201 Tyler Hall 215-782-2751
Admissions Office 104 Admissions/Student Services Building 215-782-2875 tylerart@temple.edu	Bursar 107 Tyler Hall 215-782-2751	Security Office 100 Presidents Hall 215-782-2800 or 215-204-1234
Associate Dean's Office 200 Tyler Hall 215-782-2718	Exhibitions 303 Tyler Hall 215-782-2776	Slide Library 109 Penrose Hall 215-782-2848
Beech Hall Residence Director 215-782-2866	Health Services 001 Penrose Hall 215-782-2825	Student Life 305 Tyler Hall 215-782-2883
Bookstore 007 Penrose Hall 215-782-2819	Library & Student Computer Center 111 Penrose Hall 215-782-2849	Student Financial Services 300 Tyler Hall 215-782-2769

General Admissions Information

Temple University
Office of Undergraduate Admissions
Conwell Hall, First Floor
1801 N. Broad Street
Philadelphia, PA, 19122
phone: 215-204-7200
toll free: 888-340-2222
fax: 215-204-5694
tuadm@temple.edu
www.temple.edu/undergrad

The Office of Undergraduate Admissions processes all undergraduate applications for admission to all campuses of Temple University. Applications are reviewed on a rolling basis, and candidates are usually notified of decisions four to six weeks after receipt of a completed application.

The web site to apply online is www.temple.edu/undergrad/applying.html.

Students must submit all application materials to the Office of Undergraduate Admissions by the stated deadlines on the [undergraduate application](http://www.temple.edu/undergrad/applying.html) web site. Applications received after these dates will be considered on a space-available basis. The admissions application fee is \$40.00. The renewal paper application fee is \$10.00.

Special Requirements for Admission

The following programs have additional requirements for admission: the College of Health Professions (Nursing and Health Information Management transfers only), Dance, Music, and the Tyler School of Art. Refer to the individual program description for the details on these special requirements. Adult applicants, those who are 22 years and older and have not attempted 15 or more college-level credits at an accredited institution, are not required to submit standardized test scores.

Tuition and Residence Hall Deposits

All students admitted to the university must pay a non-refundable tuition deposit of \$200 in order to reserve a place in the incoming class. In addition, students who wish to live in the residence halls must pay a housing deposit of \$250.

Applying for Readmission

For further information, see Academic Policy 02.10.11 at http://policies.temple.edu/getdoc.asp?policy_no=02.10.11.

Also see the Readmission Policy in the Academic Policies and Regulations section of each school or college. Readmission to Temple University undergraduate programs is through the school or college that you last attended.

Freshmen

Diploma and Required High School Credits

The university requires that students hold a diploma from an accredited high school with the following recommended distribution of courses:

Subject field	Units
English	4
Mathematics, college preparatory	4
Foreign language (same language/culture)	2
History/Social Studies	3
Science (2 years lab)	3
The Arts	1
Other college preparatory courses	3
Total	20

Students are required to have earned a minimum of 16 units in academic subjects from the above chart. Students 18 years of age and older may submit a high school equivalency diploma earned through the General Education Development Test and the high school transcript for all grades completed.

College Entrance Examinations

Temple requires one of the following tests for college entrance:

- Scholastic Aptitude Test (SAT) of the College Entrance Examination Board, Box 592, Princeton, NJ 08540
- American College Test (ACT) of the American College Testing Program, Box 168, Iowa City, IA 52250

Temple suggests that students take either test in the spring of their junior year, as well as in the fall of their senior year. Results should be forwarded directly to the Office of Undergraduate Admissions. SAT or ACT scores are recommended but not required of applicants 22 years of age or older.

Entering with Academic Credit: Advanced Placement

Temple awards college credits to students who in high school participated in the Advanced Placement program as follows:

- Art History, Chemistry, English (Language and Literature), History (American, European and World), Latin (Vergil and Literature), Physics, Political Science (Comparative Government and U.S. Government) -- Minimum score of 4
- Other subjects -- Minimum score of 3
- Students who receive the minimum score in the English Advanced Placement test will receive English elective credit, not Analytical Reading & Writing credit.

Students should have taken these tests in high school and should have their scores sent directly to the Office of Undergraduate Admissions. All students must request that the College Board send their official Advanced Placement test scores to the Office of Undergraduate Admissions, even if they have requested them for a previously attended college.

Advanced Placement equivalencies will be reviewed annually and are subject to change. Students will receive the equivalency that is in effect at Temple at the time of their matriculation.

If credit is awarded, a student's university record will carry notation of credit, but no grade will be recorded. Credit awarded will not affect a student's grade point average at Temple University.

Limitations on credit earned through the Advanced Placement program are as follows: (1) the credit must be useful in a student's program of study, and (2) duplicate credit in the same course is not awarded in any case.

Advanced Placement credits can be counted toward eligibility for the 45+ Transfer Core if the student also has transfer courses from another college or university.

Placement Testing

Most newly-admitted students are required to take placement tests upon admission to Temple. These tests are designed to help assess mastery of certain basic skills, to point out particular strengths and weaknesses, and to assist in designing a program of study for the student. Placement tests are offered in English, Mathematics, and Foreign Languages.

- All students are required to take the English Placement Test unless they transfer a course that has been evaluated as a direct equivalent of Temple's English 1002, 1012, 0802, or 0812*.
- All students within Ambler, Boyer, CHP, CLA, FSBM, SCT, SSA, STHM, or Tyler are required to take the Mathematics Placement Test unless they transfer a credit-bearing, college-level Math course; however, students considering, or required to complete, Math 1021 or higher or a Science course with a prerequisite of Math 1021 or higher are required to take the Mathematics Placement Test, regardless of transfer credits.
- All students within the Division of University Studies (DUS) or any student within a major in the Colleges of Science and Technology, Engineering, or Education are required to take the Mathematics Placement Test, regardless of transfer credits.
- All students who previously studied a foreign language are required to take the Foreign Language Placement Test if they a) are in a B.A. program in the College of Liberal Arts, College of Science and Technology, or Tyler School of Art; Communication Sciences majors within the College of Health Professions; or International Business Administration majors within Fox School of Business; OR, b) are interested in taking a foreign language at Temple.

*Transfer students who completed an English placement test at their previous institution and tested out of their previous institution's English Composition or comparable requirement can be waived from the English 1002/0802 requirement if they have documentation of their placement and have successfully completed a higher-level English/Writing course. Acceptable documentation includes an official letter from the university's registrar, advising unit, a faculty member, or other appropriate university official. In these instances, students will need to meet with an advisor for official approval. Once approval is granted, advisors will complete a DARS exception.

New students receive a mailer that contains descriptions of the tests and information as to the specific tests the student must take. Students are referred to the New Student Orientation (www.temple.edu/orientation) and MARC (www.temple.edu/marc) web sites, which contain descriptions of the tests, helpful hints for the test day, and sample items. The components of the tests, advising guidelines, and retest policies are outlined below.

Demographic Data Survey (25 minutes). This is a personal data collection survey that must be completed by all students. Temple uses the results of this questionnaire to develop programs and procedures to serve the needs and interests of its students.

English Placement Examination (135 minutes). All students are required to take the English Placement Examination unless they transfer a direct equivalent of Temple's English 1002, 1012, 0802, or 0812. The English Placement Examination consists of an essay and a multiple choice component. The multiple choice test scores are used in conjunction with the student's SAT verbal score and high school percentile to develop a base score. The essay score and the base score are then combined to determine the appropriate English course placement (English 0701/0711, English 0802/0812, or exempt).

Mathematics Placement Examination (75 minutes). All freshmen and transfer students who are not transferring a credit-bearing, college-level Math course are required to take the multiple choice Mathematics Placement Examination. Additionally, the following students (**regardless of transfer credits**) are required to take the Mathematics Placement Examination:

- all students within the Division of University Studies (DUS);
- all students in a major within the Colleges of Science and Technology, Engineering, or Education;
- all students considering or required to take Math 1021 or higher;
- all students considering or required to take a Science course with a Math 1021 or higher prerequisite.

Students can consult with their advisor concerning conditions under which they may retest.

Foreign Language Placement Examination (60 minutes). Freshmen and transfer students who previously studied a foreign language and are not transferring a credit-bearing, college-level foreign language course are required to take the Foreign Language Placement Test if they:

- are in a B.A. program in the College of Liberal Arts, College of Science and Technology, or Tyler School of Art;
- are a Communication Sciences major within the College of Health Professions;
- are an International Business Administration major within the Fox School of Business;

OR

- are interested in taking a foreign language course at Temple.

Tests are offered in French, German, Modern Greek, Italian, and Spanish. Each is a multiple choice test and consists of approximately 90 items. If a student has previously studied another foreign language (other than French, German, Modern Greek, Italian, or Spanish) and wishes to be tested in that language, it may be possible to arrange testing. The Senior Vice Provost for Undergraduate Studies web site (www.temple.edu/vpus/forms/index.htm) has a Foreign Language Waiver Form and Procedures for Applying for a Foreign Language Waiver (Group 2 or Group 3 Languages).

Students who wish to be tested in a language other than these, or whose first language is not English, should contact their advisor.

Advisors may request that a student retest if there is strong evidence (e.g., good grades in foreign language courses, intensive study abroad, etc.) that the student's test performance was not typical.

For more information about placement testing, sample questions, and news about changes in placement tests, visit the placement testing page on the Measurement and Research Center web site (www.temple.edu/marc/placements.html).

Orientation for New Students

Following admission to the university and payment of the tuition deposit, students will receive information regarding their orientation requirements. See the Office of Orientation web site at www.temple.edu/orientation/ for further information.

Immunizations

See [Student Health and Wellness](#) under Student Services for required immunizations.

Transfer Students

Transfer Admissions

Applicants who wish to be considered for transfer admission must have maintained at least a 2.50 grade point average in 15 or more transferable credits completed after high school at an accredited two- or four-year institution of higher education, although this is no guarantee of admission. Temple requires the same high school units of transfer students as of freshmen.

Applicants must submit official transcripts from high schools and each college previously attended. The university defines "official transcript" as that which is sent directly from a high school or college to Temple's Office of Undergraduate Admissions. Ordinarily, SAT or ACT scores are not required unless specifically requested by the Admissions Office.

An evaluation showing accepted transfer credits and a list of Temple course equivalencies are sent to students who are admitted. Evaluations are based on the majors students indicate on their applications. The Temple school/college in which they enroll will make the final determination of which transfer credits are applicable to the degree.

Transfer Credit

Temple University accepts all college-level liberal arts courses beyond the developmental level. These courses must have been completed with a grade of C- or better. Transfer students receive credit from all colleges and universities accredited by the appropriate commission of one of the regional accrediting Associations (Middle States, Northwest, North Central, Southern, Western, and the Commission on Institutions of Higher Education of the New England Association of Schools and Colleges). Temple does not award credit for courses from institutions accredited by the Commission on Technical and Career Institutions of the New England Association or from any university, college, school, institute, or program accredited only by a national, professional, or specialized accrediting body. Whenever possible, credit is allowed for courses completed more than 10 years before the date of admission.

Evaluation of transfer credits is based on a student's major, and the student's Temple school/college makes the final determination of which transfer credits are applicable to the student's degree program. Transfer evaluations may change for students who change majors.

To earn a degree from Temple, students must complete at least 30 hours of the last 45 semester hours as a matriculated student at Temple, fulfill all university requirements, and fulfill all of the degree requirements of the Temple school or college in which they are enrolled, as approved by the dean of that school. See [Academic Residency](#) in the Academic Policies and Regulations section of the *Bulletin*.

To graduate from Temple with Honors, students must complete at least 60 hours toward their degrees in residence as matriculated students at Temple University. See [Honors](#) in the Academic Policies and Regulations section of the *Bulletin*.

Advanced Placement and College Level Examination Program (CLEP) credits, and courses taken as a non-matriculated student at Temple, are posted on a student's record as transfer credit, but do not always count as transfer credits for determining a student's eligibility for the 45+ Transfer University Core. See [45+ Transfer University Core](#) in the Academic Programs section of the *Bulletin*.

The number of credits that students can transfer from another institution (two- and four-year) depends on their declared Temple major.

Credit for Prior Learning Outside the Classroom

Some schools and colleges at Temple grant limited credit to qualified students for relevant experience in academic, employment, and life situations. See the [Academic Policies and Regulations](#) section of the *Bulletin* for further information.

The College-Level Examination Program (CLEP)

Incoming students can also gain credits through the College Level Examination Program tests. See the [Academic Policies and Regulations](#) section of the *Bulletin* for the list of accepted CLEP tests and the Temple course equivalencies.

Dual Admissions

To better encourage and facilitate transfer admission from other colleges to Temple University, Temple and these colleges have established articulation agreements.

Dual Admissions agreements conditionally admit students to Temple at the same time they are admitted to a community college, and provide merit scholarships towards Temple tuition for those students. Students at five Pennsylvania-area community colleges (Bucks County Community College, Delaware County Community College, Montgomery County Community College, Community College of Philadelphia, and Harrisburg Area Community College) may enroll in the Dual Admissions program before attaining 30 transferable credits, including any colleges previously attended. Students are then admitted to Temple upon attaining their associate's degrees at the community college.

Additionally, Temple maintains a Guaranteed Admissions agreement with Burlington County College in New Jersey with similar guidelines and provisions as our Dual Admissions agreements.

Program Articulation Agreements

These agreements between Temple schools and/or academic departments and other two-year institutions provide accurate curricular information for prospective transfer students and their academic advisors by lining up associate degree requirements and baccalaureate degree requirements. They indicate which courses students should take during their associate program in order to be prepared for the Temple baccalaureate program into which they wish to transfer. See Articulation Agreements at www.temple.edu/vpus/ucc/core_transfers.htm for lists of agreements currently in effect.

Transfer Students and the University Core Curriculum

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum. Students who have fewer than 15 transferable credits are considered freshmen. Additionally, students whose transfer credits were earned while in high school, regardless of the number of transfer credits, are considered freshmen.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum. Students who attempted 15 or more transferable credits after high school and prior to being admitted to Temple University are considered transfer students.

Transfer students entering Temple with fewer than 45 transfer credits complete the full University Core Curriculum (see [University Core Curriculum](#) under the Academic Programs section of the *Bulletin*).

Transfer students with 45 or more transferable credits satisfy the 45+ Transfer Core Curriculum. (See [45+ Transfer University Core](#) under University Core Curriculum in the Academic Programs section of the *Bulletin*.)

Students with an associate degree approved for Core-to-Core Transfer meet most University Core requirements with the general education courses taken for the associate degree. Associate degrees are approved for Core-to-Core Transfer by two university-wide faculty committees. See [Core-to-Core Transfer](#) for information on the policy and a list of approved community college associate degrees.

International Students

An individual is considered an international student if he/she meets either of the conditions described below:

- applicants who hold or will hold a student visa, exchange visa, or any other type of non-immigrant visa
- applicants who are permanent residents, naturalized citizens, or have refugee status in the United States and have not studied in the United States at the secondary or college level

International students who require a visa must complete the International Student Application available online or from the Office of Undergraduate Admissions. International students are also required to complete a Financial Support Statement as part of the international student application.

Effective April 2002, U.S. federal regulations prohibit individuals in Visitor for Business/Pleasure (B-1/B-2) status from pursuing full-time academic studies at a university or college in the United States and from applying for a change of status from B-1/B-2 to Nonimmigrant Student (F-1) status while they remain in the United States. These individuals must seek Nonimmigrant Student (F-1 or J-1) status through a U.S. consulate outside of the United States.

Orientation and Immunizations

For requirements see [Services for International Students](#) under Student Services.

Special Admissions Programs

Dual Admissions Programs

See [Transfer Students](#).

Pre-Professional Admissions Programs

Temple Health Scholars Program

1810 Liacouras Walk, Suite 100

215-204-2513

healthadvising@temple.edu

www.temple.edu/healthadvising/scholars.htm

The Temple Health Scholars are eligible for accelerated programs that allow them to complete their undergraduate degree with the coursework required in the first year of their professional school program.

The Schools of Dentistry, Medicine, Pharmacy, and Podiatry offer a seven-year option, and the Department of Physical Therapy offers a six-year option. Scholars interested in pursuing an accelerated option must make their interest known to the Director of Pre-Professional Health Studies at the time of their admission to the Health Scholars Program. Dental, Medical, Pharmacy and Podiatry Scholars who choose the seven-year option and Physical Therapy Scholars who choose the six-year option will be awarded a bachelor's degree upon successful completion of their first year of professional school coursework. Dental, Medical, Pharmacy and Podiatry Scholars who choose the seven-year option are limited to undergraduate majors in the sciences. Physical Therapy Scholars who choose the six-year option can choose a science major in the College of Science and Technology or a Kinesiology major in the College of Health Professions.

Scholars interested in pursuing other majors or a traditional four-year program will complete their undergraduate degree before beginning study in professional school. Scholars pursuing accelerated paths are required to participate in the certificate and practicum program while they are enrolled as undergraduates.

High school students interested in the Temple Health Scholar's accelerated program should apply in the fall of their senior year. Both an application for undergraduate admission and an application for the Temple Health Scholars Program are necessary. For further information, please visit the health advising web site noted above.

TempleLaw Scholars Program

www.temple.edu/vpus/LawScholars.htm

Paul Crowe, Director
Philosophy Department

College of Liberal Arts
215-204-8591
pcrowe@temple.edu

James M. Lammendola
Legal Studies in Business Department
Fox School of Business and Management
215-204-1629
james.lammendola@temple.edu

The TempleLaw Scholars program provides an opportunity for outstanding students to gain provisional admission to Temple University School of Law at the same time they are accepted into an undergraduate program. As TempleLaw Scholars, students are expected to complete the University Honors Certificate Program in conjunction with their undergraduate degree, after which they enroll in the Temple University School of Law, leading to the degree of Juris Doctor. While most Law Scholars complete their undergraduate degree before entering Beasley School of Law, Law Scholars can choose the Accelerated Option and enter Beasley School of Law after their third year of undergraduate study. This 3+3 option is currently available only to students in the College of Liberal Arts and to Legal Studies majors in the Fox School of Business. A Law Scholar who chooses the Accelerated Option applies the first year of law school coursework toward undergraduate degree requirements and receives a Bachelor's Degree in his or her chosen major(s) after the first year of Law School. Law Scholars interested in pursuing the 3+3 option must indicate their interest in doing so during the first semester of their first year of undergraduate study. For more information or an application, please visit the web site listed above.

University Honors Program

The Honors Program is designed primarily to enhance the student's experience in the university's General Education or Core courses. Qualified students who apply to any of the schools or colleges at Temple will be offered admission to the University Honors Certificate program. Typical admitted Honors first-year students will achieve a combined SAT score around 1300 and a high school GPA of around 3.80. For first-year students, no special application is required since all admitted students are screened for Honors. Current Temple students or transfer students may apply for late admission on the [Honors](#) web site.

For more information on the Honors Program, please visit the web site: www.temple.edu/honors.

Also see [University Honors Program](#) under Academic Opportunities.

Russell Conwell Educational Service Center

Working through the Office of Admissions, the Russell Conwell Center (RCC) provides university admission for students who have a strong academic record in high school, but may not

have "aced" the SAT/ACT. Once selected by the Office of Admissions as a university student, students are enrolled in the RCC, which serves as their academic advising unit and academic support community through graduation. The RCC offers a wide range of services to students, including:

- academic advisement and counseling
- individual and group tutoring
- academic and educational support
- undergraduate research
- employment opportunities
- leadership development activities
- peer mentoring
- career identification and exploration
- scholarship support
- six computer labs
- a laptop loan program
- cultural and academic enrichment programs
- and more!

Contact the Office of Admissions at 215-204-7200 for further information. See the [Student Support Services](#) section of this *Bulletin* for more descriptive information about the services provided at the RCC, view the web site at www.temple.edu/rcc or call the RCC at 215-204-1252.

Continuing Education

See [Special Programs](#).

Special Programs General Information

The programs listed in this section are available for all students intending to study at Temple University without having to be enrolled in a degree program.

The academic policies and regulations generally apply to all students and provide a framework within which schools and colleges may specify further conditions or variations appropriate to students in their courses or programs. Statements of academic policies and regulations apply to both matriculated and non-matriculated undergraduates unless explicitly noted otherwise. In addition to the description below, please refer to the [Responsibilities and Rights](#) and [Academic Policies and Regulations](#) for further information on particular policies that relate to students in these programs.

Temple University provides a broad administrative framework to present and support a wide range of university offerings not falling within the province of typical undergraduate and graduate degree work on Temple campuses. Registration for credit-bearing courses is administered through the Continuing Education Office on the various campuses. Registration for non-credit courses is handled through Temple University Center City (TUCC) or Temple University Fort Washington (TUFW). Students taking non-credit courses at Temple University

Ambler, TUFW and TUCC may register and pay online for non-credit courses through those campus web sites. The online system links non-credit course payments into the TUPay system, already in use for credit course payment. The non-credit course registration and payment system may be accessed by going to www.tufw.temple.edu or www.temple.edu/tucc.

Course offerings under special programs respond to the differing needs of adults seeking additional education. Some offerings are of common interest to all, such as writing and general computer skills. Other courses, tailored for those adults who wish to change their work situation, focus on new skill and knowledge development. Coursework is also designed for adults who wish to maintain their current work position in a profession that requires re-certification to maintain appropriate licenses. Course offerings also are geared to those adults seeking personal enrichment as their primary goal.

The form of programming includes credit certificates, non-credit professional certificates, and non-credit personal enrichment courses. The courses are offered at the following Temple sites: Temple University Ambler, Temple University Fort Washington, Temple University Center City, Temple University Harrisburg, and a variety of public and private off-campus sites through the auspices of Extension Services.

Information about the services offered at each campus is presented below.

Main Campus: The Main Campus [Office of Continuing Education](#) is the university's central office for serving non-matriculated students. Non-matriculated students are those who have not been formally admitted to a degree program. [See [Undergraduate Non-Matriculated Students](#) below.] The office serves a variety of students, including adults returning to school for undergraduate or graduate courses, professionals updating their skills, qualified students seeking undergraduate admission, students taking courses for personal enrichment, and visiting students. There is no formal application to enroll as a Continuing Education student; however, first-time enrollers are asked to provide documentation of education completed (high school transcript, GED certificate, college transcripts [minimum 2.00 GPA required], or college diploma). Prior to their enrollment, degree-seeking students may be required to take one or more university placement tests.

Services include:

- individual academic advising
- informal evaluation of academic transcripts
- registration and schedule revisions
- referrals to other university services and programs

First-year, non-matriculated students may register for a maximum of 11 credits per semester. Second-year, non-matriculated student registrations are based upon academic progress. However, non-matriculated students are prohibited from registering via OWLnet and must register through their Continuing Education office. Continuing Education students must apply for admission by the completion of 30 s.h. Preadmission counseling, academic advising, registration, and other support services are provided for non-matriculated students.

For more information on non-matriculated students, see the [Academic Policies and Regulations](#) section of this *Bulletin*.

Ambler/Fort Washington: Temple University's Ambler and Fort Washington campuses offer extensive undergraduate, graduate, and non-credit courses/programs available days, evenings, and weekends. The listing of all offerings is available at www.ambler.temple.edu. Students interested in credit courses or programs should contact the Office of Academic and Career Advising at Ambler Campus by phone (267-468-8200), or go to the web site at www.ambler.temple.edu/advising. That office coordinates the services for students, as described under Main Campus above. For more information on non-credit offerings and registration, see the [Non-Credit Programs/Temple University Fort Washington](#) section below or go to www.tufw.temple.edu.

Center City: In addition to undergraduate- and graduate-level programs and courses, Temple University Center City (TUCC) offers a rich selection of non-credit programs and classes. These include courses for your personal enrichment from the Institute for Continuing Studies and Music Prep, courses leading to state licensure in the real estate field from the Real Estate Institute, lively classes on every conceivable subject for retirees provided by members of the Osher Lifelong Learning Institute at Temple University (OLLI), formerly known as Temple Association for Retired Persons or TARP, and career development seminars and professional certificate programs from The Business Agenda. For more information on non-credit programs, please see the [Non-Credit Programs](#) section below and/or visit www.temple.edu/tucc/.

Health Sciences Center (HSC): The School of Medicine (www.temple.edu/medicine/), the Maurice H. Kornberg School of Dentistry (www.temple.edu/dentistry/), the School of Pharmacy (www.temple.edu/pharmacy/), and the College of Health Professions (www.temple.edu/chp/) sponsor continuing education activities for their graduates as well as for graduates of other institutions. Many programs meet the requirements of professional accrediting agencies to take refresher courses or seminars in order to keep abreast of changes in the field.

Off-Campus/Corporate Programs

Temple University has been bringing its rich educational resources to off-campus sites for over 60 years. Through its Office of Extension Services, Temple University provides both [off-campus](#) and customized [corporate programs](#) throughout the Philadelphia five-county area and beyond. The Office of Extension Services offers a wide array of credit and non-credit courses, seminar/workshops, certificate and full degree programs.

The staff of Extension Services serves as the liaison between the university faculty/trainers and its external customers. They have developed strong affiliations with businesses, school districts, units of government, and non-profit associations. Extension Services delivers, on site, the most effective credit and non-credit programs in the Delaware Valley. Extension Services develops and customizes training programs designed to be taught on site at the customer's workplace while assuring the utmost quality in instruction and customer service. For more information, check out the [Extension Services web site](#) at www.temple.edu/tucc/ext/extension.htm or e-mail extserv@temple.edu.

Credit-Bearing Certificate Programs

At Temple University, a certificate is a credit-bearing program of courses leading to a credential that recognizes the student's work in a specialized area of knowledge. An undergraduate certificate may be part of a degree program, or it may stand alone. It is distinct from an academic major or minor and should not be confused with the process of professional certification for teaching and other fields. Certificate programs often focus on the acquisition of specific skills recognized in the job market. They are open to undergraduates in all Temple schools and colleges and majors and are particularly useful to students seeking to document their exposure to fields and disciplines outside of their academic major and minor. Some majors recommend particular certificate programs to their students. Non-matriculated students should contact the department offering a certificate, as some certificates are restricted to matriculated students. The University Honors Program and the Fox School of Business & Management offer Honors certificates. You will find a partial listing of certificate programs below. For more detailed information, contact the school, college, or campus where the program is offered.

Certificates of Completion	Department	School
Arabic	Critical Languages	CLA
Asian Business and Society	Asian Studies	CLA
Business Basics (restricted to non-matriculated students)	Business Management	FSBM
Business Plus (restricted to non-matriculated students)	Business Management	FSBM
Career and Technical	Career and Technical Education	Education
Child and Family Services	Social Work	SSA
Chinese	Critical Languages	CLA
Cooperative Education	Career and Technical Education	Education
E-Business Certificate in Tourism, Hospitality, Sport and Recreation	Sport and Recreation Management / Tourism and Hospitality Management	STHM
Emergency Management with Special Populations	Public Health	CHP
English as a Second Language	Curriculum Instruction & Technology	Education
Entrepreneurship		FSBM
Environmental Sustainability	Landscape Architecture / Horticulture / Community & Regional Planning	Ambler
French	French, German, Italian and Slavic	CLA
Geography of Sports, Recreation and Tourism Planning	Geography and Urban Studies	CLA
Geography of Tourism	Geography and Urban Studies	CLA
German	French, German, Italian and Slavic	CLA
Gerontology	Institute on Aging	SSA
Health Research	Sociology	CLA
Horticultural Therapy	Horticulture	Ambler

Italian	French, German, Italian and Slavic	CLA
Japanese	Critical Languages	CLA
Jewish Secular Studies	Jewish Studies	CLA
Landscape Plants	Horticulture	Ambler
Latin American Studies Semester	Spanish and Portuguese	CLA
Management Careers	Economics	CLA
Management Information Systems	Management Information Systems	FSBM
Multilingual Business and Government Studies	Spanish and Portuguese	CLA
People First	Human Resource Mgmt.	FSBM
Political Economy	Political Science and Economics	CLA
Russian	FGIS	CLA
Sociology Health Research	Sociology	CLA
Spanish	Spanish and Portuguese	CLA
Spanish and Latin American Studies for Business	Spanish and Portuguese	CLA
Spanish and Latino Studies for the Health and Human Services Professions	Spanish and Portuguese	CLA
Travel and Tourism	Geography and Urban Studies	CLA
Women's Studies	Women's Studies	CLA
Writing	English	CLA

Programs with Academic Credit

Temple University offers a variety of special programs with academic credit. For more details, contact the school, college, or campus where the program is offered.

Visiting Students: Temple University welcomes students from other colleges and universities who wish to enroll in courses on any of our campuses. All students must provide a transcript of their previous academic work and must have earned at least a 2.00 cumulative GPA. Students must bring or fax a permission form from their home institution, listing the specific Temple courses that have been approved for transfer. If the courses have prerequisites, students must provide proof of having taken and passed them. Some courses may also require special authorization from instructors or departments at Temple (e.g. business courses numbered 2000 and above).

Students may use the Non-matriculated and Visiting Student registration form available on the Temple University Summer web site at www.temple.edu/summer. This form must be faxed or sent via postal mail to the Temple University campus you are planning to attend. The full listing of the campus contact information and registration information for all campuses is available by visiting the Summer Programs Registration page at www.temple.edu/summer/reg_policies.htm.

Credit Transfer to Your Home Institution: In order to facilitate the transfer of credits, students should request that an academic transcript be sent from Temple to their home institution. The [transcript request form](#) is available by visiting Temple's Office of Academic Records web site at www.temple.edu/registrar. It will not be sent out automatically. For further information, please contact the Office of Academic Records at 215-204-1131 or visit in person on the second floor,

Conwell Hall, Broad Street and Montgomery Avenue, on the Main Campus. You may also visit the registration office at your campus of choice or go to their web site at www.temple.edu/registrar for more information.

Undergraduate Non-Matriculated Students: Students who are not currently enrolled at another institution may be permitted to register for some courses as non-matriculated (non-degree) students. To enroll in undergraduate courses they must have earned a high school diploma or a G.E.D. certificate. Students who have attended another college or university must provide a transcript of their previous academic work and must have earned at least a 2.00 cumulative GPA. With some exceptions, these students are required to take the university placement test before they can register. However, meeting these minimum requirements does not guarantee enrollment as a non-matriculated student. For more information, and to speak with an academic advisor, please contact the Main Campus [Office of Continuing Education](#) or the office of the campus you wish to attend.

High School Students: High school students who will be entering their senior year may be eligible to register for college-level courses. Before they can register, they must secure and provide written authorization from their guidance counselor or high school principal, specifying the course(s) the student is authorized to take.

Summer Sessions: Temple University welcomes students from other colleges and universities, international students, as well as our own students, to enroll in a summer course at any one of our several campuses. We offer credit, non-credit, day and evening courses at our campuses. We also have several Study Abroad Programs in France, Germany, Italy, and Great Britain.

Institute on Aging: Gerontology is the study of aging and the issues that surround the aging process. The [Institute on Aging](#) offers a Certificate in Gerontology program in cooperation with schools and colleges throughout the university. Therefore, the certificate program is designed to provide the student with an interdisciplinary education along with practical experience in the field of aging.

Certificates in Gerontology are offered at the undergraduate and graduate level. The 18-credit-hour program may be completed in conjunction with a degree program or as a separate emphasis program for persons not currently enrolled in a degree program. All students must register and complete 15 credit hours and a field placement or action research project. Students are expected to finish the program within a five-year time span. No more than two gerontology electives may be taken prior to admission into the program.

Non-Credit Programs

For further information on the following non-credit programs and other non-credit programs, you can visit the web sites of Temple University Center City (www.temple.edu/tucc/), Temple University Fort Washington (www.tufw.temple.edu), Temple University Alumni and Friends (www.myowlspace.com) and Russell Conwell Center (www.temple.edu/rcc/w1.htm).

The Business Agenda: For convenience, affordability and quality in workplace education, The Business Agenda offers professional training seminars to upgrade the skills of today's workforce and add skills to any résumé. Courses are offered in the following areas: Communications, Entrepreneurship, Geographic Information Systems (GIS), Management and Leadership, Financial and Project Management, and Computer Technology. In addition, certificate programs are available in Meeting Planning, Interior Design, Editing, Database Management and Web Site Design. For more information, call 215-204-4335 and/or visit the web site at www.temple.edu/tucc/noncredit/tba/index.htm.

Institute for Continuing Studies: The Institute for Continuing Studies responds to the needs of the growing number of adults who seek avenues for personal growth. Explore new areas of interest and meet like-minded people in an educational environment designed to fit your schedule. Courses are offered in the following areas: Creative Arts, Digital Photography, Languages, Personal Finance, Cooking and Entertaining, Exercise and Wellness, Music and Dance, Writing and Literature, and Prep Workshops for the GMAT, GRE and LSAT. For more information, call 215-204-6946 and/or visit the web site at www.temple.edu/tucc/noncredit/ics/index.htm.

Real Estate Institute: The Real Estate Institute is the largest professional consumer education program in the tri-state area offering pre-licensure or basic real estate courses as well as a broad spectrum of elective courses, all taught by state-certified real estate instructors. The Real Estate Institute's courses are fully-accredited by the Pennsylvania Real Estate Commission and are intended for those seeking state licensure and/or professional advancement but not an academic degree. The courses allow you to qualify for the Pennsylvania Salesperson Licensing examination and, together with a three-year apprenticeship and additional courses, for the Pennsylvania Real Estate Brokers examination. All students who successfully complete each course of study are awarded Real Estate educational credits and a Temple Real Estate Institute transcript. For more information, call 215-204-1530 and/or visit the web site at www.temple.edu/tucc/noncredit/rei/index.htm.

Music Prep: Music Prep offers continuing opportunities for musical growth and enrichment for people of all ages and abilities, from the beginner to the experienced musician. There are programs designed for preschool through high school age students who are considering music as a future career or serious avocation and for adults who wish to develop their musical skills and interests. For more information, call 215-204-1512 and/or visit the web site at www.temple.edu/boyer/musicprep/.

Osher Lifelong Learning Institute at Temple University (OLLI): OLLI (formerly known as Temple Association for Retired Persons, or TARP) is an educational program for people who are retired, near retirement, or adults with discretionary time to take daytime classes. *There are no age limitations.* The organization brings a lively, no-pressure atmosphere and offers a variety of courses.

OLLI instructors are also OLLI members, representing many professions, vocations, and life experiences. Classes are held Monday to Friday. OLLI also presents the Friday Forum, featuring speakers with diverse and interesting backgrounds. Members may sit-in on one undergraduate

course each semester, subject to university policy and instructor approval. All classes are held at Temple's Center City campus - convenient to public transportation. For more information, call 215-204-1505, e-mail tucctarp@temple.edu, and/or visit the web site at www.temple.edu/tucc/noncredit/tarp/index.htm.

Non-Credit Programs at Temple University Ambler and Fort Washington

The Office of Non-Credit and Special Programs, located at TUFW, provides seminars at the Graduate Center in professional development and computer applications for today's workforce. Non-credit certificate programs can be completed in Accounting, Editing, Interior Design, Meeting Planning, Wedding Planning, Computer Applications, Database Management and Web Site Design. Workshops are also available to help prepare students for the SAT, GMAT, LSAT, and GRE. Personal enrichment courses are offered in writing, arts, literature and language, exercise, food and entertainment, horticulture, and wellness at Temple University Ambler. TUFW is also utilized by local corporations for training programs and meetings during the day. For more information about the workshops, open houses, or to receive catalogs or general information, please call the Office of Non-Credit and Special Programs at 267-468-8500 or send an e-mail to ncregistrar@temple.edu. To view the non-credit course listing, visit the web site at www.tufw.temple.edu, click on "Non-Credit Programs", and then on "Courses and Online Registration."

LifeLong Learning Society at Temple University Fort Washington: The Lifelong Learning program provides stimulating classes with great teachers, topics, and students. Classes are designed for learners 50 and up, but adult learners of all ages are welcome. After paying an annual fee, or semi-annual fee (fall or spring), students may enroll in as many of the LifeLong Learning Society courses as they like. Call 267-468-8500 for details or go to the [LifeLong Learning Society](http://www.tufw.temple.edu) section on the Fort Washington web site (www.tufw.temple.edu) for a listing of courses.

Russell Conwell Center Non-Credit Programs: The Russell Conwell Center (RCC) offers a series of certificate programs designed to increase student's proficiency in various skill areas. While the certificate programs change each semester, sample certificate programs have included: Public Speaking, Creating Professional Presentations with PowerPoint, Utilizing Access, Becoming Proficient with Excel, and Financial Management, Budgeting and Investing. To obtain more information about the courses that are offered or to request a specific series, contact the RCC at 215-204-1252.

Registration

Office of Academic Records
200 Conwell Hall
1801 North Broad Street
Philadelphia, PA 19122

215-204-1131
215-204-6626 (fax)
www.temple.edu/registrar

General Information

Students planning to register for classes should obtain a *Guide to Registration*. Separate editions are produced for the spring, and summer/fall semesters.

This publication contains important advising and registration information and provides lists of the courses offered, including listings by Learning Community, CORE, General Education and Distance Learning. Copies are available in each advising office and online at www.temple.edu/registrar.

Detailed information regarding courses offered (day, time, location, instructor) is on the Course Schedule web site at www.temple.edu/tucourses.

Advising is required prior to initial registration for students who must register on campus and is strongly recommended for all students who register through OWLnet at <http://owlnet.temple.edu>. Students should contact their school, college, or department advisors for appointments or information. Generally, advisors and students review options and requirements, select courses, and complete and sign a registration form when necessary. For further information on academic advising, please see [Advising](#) under the Student Support and Services section of the *Bulletin*.

Also, read the Registration Dates & Information section provided on the web site of the [Office of Academic Records](#).

Registration Policies

Enrollment is not complete until payment of tuition and fees has been made and processed through the Department of the Bursar. Failure to satisfy billing & financial obligations may result in cancellation of a student's current registration; withholding of official transcripts, degrees, and diplomas; denial of the right to register for future sessions; and the assessment of late fees and collection costs.

Students who withdraw from classes by the end of a term's drop/add period (the end of the second week of the fall and spring semesters and summer sessions) will have the courses deleted from their rosters. This will relieve them of academic responsibility and in many instances financial responsibility associated with the course.

Students who withdraw from classes after the drop/add period are responsible for full payment of all tuition and fees. These courses will be recorded on the transcript with the notation of "W," indicating that the student withdrew. Unpaid tuition balances may be referred for collection and students may be held liable for paying all associated collection costs and/or legal fees.

Continuing Student Registration

Continuing Student Registration is the period in which all currently enrolled, matriculated students are required to register. Each semester, currently enrolled students are sent an e-mail and a postcard containing the registration schedule.

An installment tuition payment plan is available for students who register for the fall or spring semesters during these periods. See the [Tuition and Fees](#) section of the *Bulletin* as well as the printed *Guide to Registration* for payment information.

Please note the following important information with respect to continuing registration for matriculated students (graduates and undergraduates) enrolled in the current semester:

- For fall semester, held mid-March, with initial fall semester E-bills sent beginning in late July and due mid-August.
- For spring semester, held mid-October, with initial spring semester E-bills sent beginning in December and due in January.
- Continuing, matriculated students (graduates and undergraduates) may continue to register beyond these dates but must register for their next semester by stated deadlines or risk a late registration penalty. Generally, they must be registered for the spring semester no later than the last day of the fall semester and for the fall semester by July 31. See the *Guide to Registration* and [Registration Dates & Information](#) for the specific deadlines in each fall and spring semester.

Open Registration

Open registration is available:

- For new students, readmitted students, and continuing students who could not register during continuing student registration
- For fall semester, held April to late August
- For spring semester, held November to mid-January

An installment tuition payment plan is available for most students who register during this period. See [Tuition and Fees](#) and the printed *Guide to Registration* for payment information and registration dates.

Late Registration

Temple conducts late registration at the beginning of each semester or summer session. Registration appointments may be required.

A late fee of \$50.00* will be assessed beginning the first day of classes in the fall and spring semesters and each summer session. No initial registrations or registration revisions will be processed after the first week of classes of the fall and spring semesters and second day of the summer sessions. These charges and restrictions apply to both initial and reinstated registrations and are subject to change.

* This fee is assessed earlier to continuing matriculated students who delay their fall or spring registration. See Continuing Student Registration above.

Schedule Revision (Drop/Add)

Students may revise their schedules at any time after they have registered. Students who cannot register online but wish to make changes in their course schedules must do so in their schools and colleges. Approvals required vary according to the time the transaction is completed. See the Schedule Revision Matrix in the *Guide to Registration* for more information.

These students must:

- Obtain a schedule revision form from their advising office.
- Complete the form with appropriate signatures.
- Take the completed form to their campus registration office.

Students may not add courses or change course sections after the first week of fall and spring semesters and second day of the summer sessions. Course sections may be dropped through the second week of the fall and spring semesters and summer sessions. Withdrawing from a course within the first two weeks of the fall and spring semesters or the summer session results in the deletion of the class from the student's roster. In some instances, it also relieves the student of the financial liability associated with the deleted course. If a refund is due, the provisions of the refund policy will apply.

A charge of \$12.00 is assessed for schedule revision after the first week of classes during the fall and spring semesters and after the first two days of the summer sessions. This fee is assessed each day that a revision is transacted. See [Schedule Revision](#) and [Withdrawal from Classes](#) in the **Academic Policies and Regulations** section of this *Bulletin*.

Student Identification Cards

OWL Cards (student IDs) are produced on the Main Campus by the Office of Student Academic Records during New Student Orientation. At other times throughout the semester, ID cards are produced by the Diamond Dollars Office.

An OWL Card is needed for entry into buildings, library privileges, and many university services.

Replacement cards are available on the Main Campus in the Diamond Dollars Office, 1910 Liacouras Walk; the Office of Academic Records, Second Floor, Conwell Hall; and the Office of Student Financial Services, Ground Floor, Carnell Hall. The cost of a replacement is \$10.00.

ID cards also are issued on the Ambler Campus, Tyler Campus, Health Sciences Center, and on scheduled days and times at the Center City Campus.

Additional Registration Information

Veterans

Veterans may enroll as full-time or part-time students; however, benefits are based on enrollment status. The Veterans Coordinator in the Office of Student Academic Records is available to answer questions concerning V.A. benefits at 215-204-7358.

International Students

If a student is on a non-immigrant visa, enrollment for a minimum of 12 credits each semester is required to meet immigration regulations. Non-resident tuition charges are assessed.

Continuing Education Students

(Non-matriculated students attending Temple prior to formal admission into a degree program)

There is no formal application to enroll as a Continuing Education student; however, first-time enrollers are asked to provide documentation of education completed (high school transcript, GED certificate, college transcripts [minimum 2.00 GPA required], or college diploma). First-year, non-matriculated students may register for a maximum of 11 credits per semester. Second-year, non-matriculated student registrations are based upon academic progress. However, undergraduate non-matriculated students are prohibited from registering via OWLnet and must register through their Continuing Education office. Continuing Education students must apply for admission by the completion of 30 s.h. Preadmission counseling, academic advising, registration, and other support services are provided for non-matriculated students. **Also see the [Continuing Education](http://www.temple.edu/conted) web site (www.temple.edu/conted) for more information.**

Tuition and Fees

Payment of Tuition

David Glezerman, Bursar
115 Carnell Hall
215-204-7269
david.glezerman@temple.edu
www.temple.edu/bursar

Students' registrations are not finalized until all applicable tuition and fee payments are processed by the Department of the Bursar. Failure to satisfy all financial obligations, when due, will result in cancellation of a student's current registration, withholding of official transcripts and diplomas, and denial of the right to register for future sessions.

Students who do not withdraw by the published deadline are responsible for payment of all tuition and fee charges, along with any installment fees, late payment charges and/or collection

costs. Temple University will first apply all payments received to the oldest outstanding balance, if applicable, then to the current semester charges.

Temple University notifies students via their TEmail account to view their electronic bills in TUpay. Students are required to pay at least the minimum amount due on their bills on or before the due date on their bill. Students whose financial aid or tuition remission benefit credits are equal to or exceed the amount due must confirm their registrations on the Financial Services section of OWLnet (if your bill says that you owe "zero").

Students have the option to pay their tuition in full or pay the minimum amount due and be automatically enrolled in the Temple Easy Payment Plan (TEPP), which allows for the tuition to be paid in up to three (3) installments over the semester. The number of available installments depends on the student's date of registration. Students should refer to the latest *Guide to Registration* or other publications for a more detailed explanation of the plan.

Students who select courses, but fail to make their payment on or before the due date on the tuition invoice, will have their registration canceled and will be required to re-register and pay a \$100 reinstatement fee. There is no guarantee that students' original classes will be available at the time of re-registration.

Acceptable forms of payment include: financial aid vouchers, tuition remission forms, checks (paper and electronic), cash, credit cards, and money orders. Checks or money orders should be made payable to Temple University. Credit cards accepted for online payment only through TUpay include: MasterCard, American Express, and Discover. Please note that credit card payments are subject to a 2.75% convenience fee by the university's processor.

Payment must be received by the billing due date to assure proper crediting and to avoid potential registration cancellation.

Payment Plans

Temple University offers an Easy Payment Plan for the fall and spring semesters to help students who are not fully paying their bills budget the costs for tuition, room and board, and fees as best fits their personal situations. The Temple Easy Payment Plan will allow students to make up to three (3) payments over the semester, based on their date of registration. Students who use the Temple Easy Payment Plan pay an \$11 fee per installment.

The university also offers the Temple Installment Payment Plan (TIPP) for those students who need an extended payment option. For more information about this plan, offered through Higher Education Services (HES), go to www.temple.edu/bursar/documents/tipp0809.pdf.

Financial Counseling

Students who need assistance in financing their education should see a Financial Counselor in the Department of Student Financial Services (Ground Floor, Conwell/Carnell Hall) or call 215-204-2244 for an appointment.

Student Loan Counseling

All students who receive federal student loans are required by federal regulations to receive loan counseling when first receiving a loan and prior to leaving the university.

The Credit and Collections unit in the Bursar's Office is responsible for completing loan counseling for all students who are receiving federal student loans for the first time (entrance interviews). In addition, this staff can assist students with related financial planning that would help them in completing their education at Temple. Students can go to www.fc.campusoncall.com/cgi-bin/home.pl?FromAdmin=1&campus=temple to complete the entrance interview or call 215-204-5262 for additional information.

Students who are graduating must complete an exit interview online at www.fc.campusoncall.com/cgi-bin/home.pl?FromAdmin=1&campus=temple or contact the Credit and Collections unit in the Bursar's Office, Second Floor, Carnell Hall, at 215-204-5262.

Assessing Tuition Charges

Tuition assessment at Temple University is based on full-time or part-time status; undergraduate, graduate, or professional classification; level of courses; and in-state/out-of-state residency status.

Full-Time Status

Undergraduate students are considered full-time students when carrying between 12-17 semester hours (s.h.). Credits in excess of 17 s.h. are additionally assessed at the per semester hour tuition rate.

International students, holders of non-immigrant visas, are required to pay out-of-state tuition fees and register as full-time students.

There is no distinction between full-time and part-time graduate tuition rates. All graduate students are assessed at a credit hour rate, regardless of the number of credit hours they are taking.

Part-Time Status

Undergraduates are considered part-time students when taking fewer than 12 s.h. per semester. Tuition is charged by the semester hour for part-time undergraduates.

Undergraduate Level Course Classification

Undergraduate courses numbered 1000-4999 that are approved for graduate credit are assessed at the graduate tuition rate. Courses numbered 5000 and above are assessed at the graduate tuition rate.

In-State/Out-of-State Residency Status

A student is classified as a Pennsylvania resident for tuition purposes if his or her permanent, legal residence is in Pennsylvania. In-state residency is generally established within the context of the following overall guidelines:

An individual who has not lived in Pennsylvania for a continuous 12-month period immediately prior to registration as a student at a Pennsylvania college or university is presumed not to be a Pennsylvania resident. A student may rebut this presumption with convincing evidence.

A student under 22 years of age is presumed to have the residency of his or her parents or legal guardians. A student may rebut this presumption by presenting convincing evidence of emancipation and independent domicile.

A student who receives financial aid based on residence in a state other than Pennsylvania will not be considered a resident of Pennsylvania.

Students who are not United States citizens or permanent residents of the U.S. cannot be considered residents of Pennsylvania for tuition purposes.

An individual attempting to establish residency for tuition purposes must file a Residency Application with the Office of Academic Records. Evidence requested in support of an application may include, but may not be restricted to, the following: lease or purchase of a permanent, independent Pennsylvania apartment or home; payment of Pennsylvania state and local taxes; transfer to Pennsylvania of bank accounts, stock, automobile, and other registered property; acquisition of Pennsylvania driver's license; acceptance of a permanent full-time job in Pennsylvania upon graduation; membership in Pennsylvania social, athletic, civic, political, and religious organizations; registration to vote in Pennsylvania; and an affidavit of intention to reside indefinitely in Pennsylvania.

Specific questions pertaining to Pennsylvania residency status should be directed to the Office of Academic Records. The telephone number is 215-204-1131.

Tuition Schedule

To see a copy of the latest tuition schedule, go to the Bursar's web site:

www.temple.edu/bursar/about/tuitionrates.htm.

Temple University 2008 - 09 Tuition Rate Schedule By School/College

	2008-09 Pennsylvania Residents	2008-09 Out-of-State Residents
UNDERGRADUATE:		
Ambler College		
Full-time Undergraduate	\$ 10,858	\$ 19,878
Full-time Undergraduate including University wide fees	\$ 11,448	\$ 20,468

Part-time Undergraduate (per credit hour) *	420	707
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Tyler School of Art

Full-time Undergraduate	\$ 13,130	\$ 23,584
Full-time Undergraduate including University wide fees	\$ 13,720	\$ 24,174
Part-time Undergraduate (per credit hour) *	420	707

Tyler School of Art - Architecture

Full-time Undergraduate	\$ 11,382	\$ 20,820
Full-time Undergraduate including University wide fees	\$ 11,972	\$ 21,410
Part-time Undergraduate (per credit hour) *	420	707

Fox School of Business and Management

Full-time Undergraduate	\$ 11,740	\$ 21,494
Full-time Undergraduate including University wide fees	\$ 12,330	\$ 22,084
Part-time Undergraduate (per credit hour) *	454	765

School of Communication & Theatre

Full-time Undergraduate	\$ 10,858	\$ 19,878
Full-time Undergraduate including University wide fees	\$ 11,448	\$ 20,468
Part-time Undergraduate (per credit hour) *	420	707

College of Education

Full-time Undergraduate	\$ 10,858	\$ 19,878
Full-time Undergraduate including University wide fees	\$ 11,448	\$ 20,468
Part-time Undergraduate (per credit hour) *	420	707

College of Engineering

Full-time Undergraduate	\$ 11,258	\$ 20,278
Full-time Undergraduate including University wide fees	\$ 11,848	\$ 20,868
Part-time Undergraduate (per credit hour) *	433	720

College of Health Professions

Full-time Undergraduate	\$ 13,118	\$ 23,388
Full-time Undergraduate including University wide fees	\$ 13,708	\$ 23,978
Part-time Undergraduate (per credit hour) *	490	811

College of Liberal Arts

Full-time Undergraduate	\$ 10,858	\$ 19,878
Full-time Undergraduate including University wide fees	\$ 11,448	\$ 20,468
Part-time Undergraduate (per credit hour) *	420	707

Boyer College of Music and Dance

Full-time Undergraduate	\$ 11,032	\$ 20,778
Full-time Undergraduate including University wide fees	\$ 11,622	\$ 21,368
Part-time Undergraduate (per credit hour) *	420	707

College of Science & Technology

Full-time Undergraduate	\$ 10,858	\$ 19,878
Full-time Undergraduate including University wide fees	\$ 11,448	\$ 20,468
Part-time Undergraduate (per credit hour) *	420	707

School of Social Administration

Full-time Undergraduate	\$ 10,858	\$ 19,878
Full-time Undergraduate including University wide fees	\$ 11,448	\$ 20,468
Part-time Undergraduate (per credit hour) *	420	707

School of Tourism & Hospitality Management

Full-time Undergraduate	\$ 11,740	\$ 21,494
Full-time Undergraduate including University wide fees	\$ 12,330	\$ 22,084
Part-time Undergraduate (per credit hour) *	454	765

University Studies			
Full-time Undergraduate	\$	10,858	\$ 19,878
Full-time Undergraduate including University wide fees	\$	11,448	\$ 20,468
Part-time Undergraduate (per credit hour) *		420	707
Non-Matriculated Students (Continuing Education)			
Part-time Undergraduate (per credit hour) *	\$	420	\$ 707

University-Wide Fees

To see a copy of the latest fee schedule, go to: www.temple.edu/bursar/about/tuitionrates.htm.

Please note that Tuition and Fees are subject to change by action of the university's Board of Trustees.

Description of Special Charges and Fees

Students may be required to pay some or all of the following (subject to change):

Application Fee

\$40.00 for online or paper application for admission, \$5.00 for students applying for readmission.

Matriculation Fee

A one-time \$70.00 charge is assessed of all first-year students who are degree-seeking candidates. This fee includes the student orientation program.

General Activities Fee

All full-time students (12 or more semester hours for undergraduate students, 9 or more hours for graduate students; full-time professional students; and professional law students working toward a degree even if technically part-time) are required to pay a \$45.00 per semester General Activities Fee (GAF). All part-time students are assessed a \$10.00 per semester General Activities Fee.

The purpose of the fee and its related services is to promote and enhance the educational, recreational, social, and cultural life of the student body. Funds derived from the fee will be directly tied to the support of activities and events for students.

Students will receive a Confirmation Card in the mail when the fee is paid. This entitles them to free or discounted admission to a number of campus programs.

Part-time students may purchase a sticker for \$35.00.

Computer and Technology Fee

All students are required to pay the Computer and Technology Fee, which is based on their registration status. Students enrolled for 9 or more credits are required to pay a \$125.00 per semester fee, students enrolled for 5 to 8 credits must pay a \$90.00 per semester fee, and students enrolled for 1 to 4 credits are required to pay a \$43.00 per semester fee.

The purpose of this fee is to fund purchases of computer equipment and sophisticated technologies for student use. Some of the benefits that students receive from the Computer and Technology Fee include OWLnet enhancements and development, up-to-date computer labs and access to a Temple University e-mail account.

Recreation Services Fee

A Student Recreation Services fee of \$40.00 is assessed each semester to all full-time students, excluding students enrolled at Temple University Center City and programs abroad. This fee is designed to provide access to university recreation facilities.

Student Health Fee

Full- and part-time students (9 semester hours or more) are charged \$60.00 per semester during the academic year to help subsidize the basic diagnostic and treatment services provided by nurses and physicians at all four campus locations. Half-time students (6 to 8 semester hours) pay \$20.00 per semester, and all students enrolled for summer sessions pay \$10.00.

Gynecology/family planning services and laboratory testing are specialized services available at Main Campus for an additional fee(s).

Student Facilities Fee

Students are charged \$25.00 per semester for the fall and spring semesters and \$12.50 for each summer session to help subsidize the expansion and maintenance of facilities that enhance and improve student life. Excluded from paying this fee are students in Temple University Beijing, Japan, Rome, Harrisburg, and off-campus locations.

Special Tuition Charges

Certain courses have special tuition in lieu of the standard tuition rates. This charge is assessed at the time of registration for the course.

Additional Fees

Certain courses have special fees assessed in addition to the standard tuition. This charge is assessed at the time of registration for the course. See the *Course Schedule* for a listing of courses with additional fees.

Change of Course

A \$12.00 schedule revision fee is assessed for dropping or adding courses after the initial Schedule Revision period. (See [Registration](#) for details.)

Late Registration and Reinstatement Fee Policy

Continuing matriculated students eligible to register but who fail to do so by August 1 for the fall semester, or by the end of the fall semester for the spring semester, will be assessed a \$50.00 late registration fee. All other students will be assessed the \$50.00 late registration fee beginning the first day of the term. No new registrations or registration revisions will be processed after the end of the twelfth week of classes during the fall and spring semesters and after the end of the fourth week of summer sessions.

Students whose registrations are cancelled for non-payment by the due date or failure to confirm when their bill reflects a zero balance due because of pending financial aid are required to pay a \$100.00 reinstatement fee to re-register. Please be aware that students' original classes may no longer be available when attempting to re-register.

Late Payment

Tuition payments not received by due dates will be subject to a \$50.00 late payment fee. Students who fail to pay their initial payment by the due date may also have their registrations canceled.

Bad Check Penalty

A \$25.00 fee is assessed for all paper and electronic checks issued to the university and not paid upon presentation to the bank. Registration may be canceled as a result.

Transcript Fee

A \$6.00 fee is assessed for official transcripts from the university.

Graduation Fee

A \$54.00 fee is assessed for graduating seniors. Students who fail to meet their deadlines to apply for graduation are required to pay an additional \$25.00 late fee.

Health Insurance

Group medical insurance to defray certain medical expenses at hospitals is offered to full-time students during a limited period of time at the start of each semester. Students should contact the Human Resources Benefits Office, 215-204-1321, for details concerning costs and application procedures. International students are required to buy medical insurance or show proof of comparable coverage to the Human Resources Benefits Office.

Tuition and Fees Policy

I. Policy

A. Tuition charges and fees are based upon the student's enrollment status in the respective schools or colleges. Refunds are made in accordance with the student's academic records.

B. Students will be charged 100% of their semester bill unless a withdrawal form is processed by a registration office of the university by the Drop/Add deadline date. The Drop/Add deadline date is published in the *Class Schedule* each semester and is at the end of the second week of the semester. Students who process their withdrawal form by the deadline date will be issued a 100% refund.

C. No credits will be made if a student does not process a withdrawal form for all registered classes.

II. Exceptions

A. Failure to Process Withdrawal Form by Deadline

Under extreme, extenuating circumstances, an appeal may be made to the Office of Academic Records if the drop transaction is not completed by the deadline, and the student did not attend classes after the deadline date. All appeals must be accompanied by the following information:

1. A letter explaining the extenuating circumstances of the appeal.
2. A properly-signed schedule revision or official withdrawal form available from the Dean's Office.
3. Supporting documentation that will establish that the student never attended the semester in question or that he/she did not attend beyond the official refund period.
4. Appeals for retroactive withdrawals must be filed within one (1) year from the end date of the semester for refunds to be approved. If the above conditions are met, the Office of Academic Records will direct the removal of the semester's records from the academic history. This automatically results in a 100% refund of tuition and fee charges for the semester.

B. Death of a Student

In the event of death during a semester, the student's account will be credited with a 100% refund of tuition and fee charges for the semester.

C. Serious Illness Which Prevents a Student from Attending Classes

In the event of a serious personal or family member's illness, the following steps can be taken:

1. The student should provide the Department of Student Financial Services with:
 - a. A letter from the student listing the reason(s) for their refund request (i.e., personal or family illness, etc.).
 - b. Certification from a licensed physician verifying that the student or family member was ill. In the case of the student's illness, the certification should indicate that the illness prevented the student from attending class, and

c. Letter(s) from the student's instructor(s) or department chairperson(s) that, based on the actual or anticipated length of the student's leave, the course work cannot be completed within the current term and the last day of attendance.

d. The student must withdraw from all registered courses. NOTE: For purposes of this policy, a family member is defined as the student's parents, spouse, child(ren), or any other family member noted under the federal Family Leave Act.

2. When the above criteria in C.1 are met, the student's bill will reflect an adjusted tuition charge in accordance with the attached schedule. A credit will be issued on a pro-rated basis after:

a. Confirming that the student has no other outstanding balances, and

b. Having the Department of Student Financial Services adjust any financial aid awards, where applicable, in accordance with state and federal regulations. NOTE: Student refunds will be issued as a credit towards tuition and fees for future registrations up to one (1) year after the end of the semester in which the withdrawal took place. Unused credits will be forfeited after that time.

3. The effective date for all medical credits will be based on the earlier of either:

a. The official date of withdrawal, as established by the Office of Academic Records, or

b. The physician's date of certification, if the student is physically unable to complete a withdrawal by the end of the semester.

4. Refunds or credits resulting from the death or serious illness of the student will not require the deletion of courses from the student's academic records. The student's record will reflect withdrawals.

D. Employment Change/Relocation

1. If a student must withdraw from classes because of a job change or shift in work hours, the student may request a pro-rata credit, based on the actual withdrawal date and in accordance with the Fee Schedule of Adjusted Tuition Charges, if documentation from the employer is provided showing that the individual is no longer able to take classes because of a change in job status.

2. This provision applies solely for the student and only after the student has totally withdrawn from all registered courses.

III. Authority

A. The Office of Academic Records will have authority for determining the student's academic records.

B. The Director of Student Financial Services will have authority for approving financial exceptions to the policy.

C. Appeals of any decision outlined under this policy will be made to the University Refund Appeal Committee, whose decision is final.

Tuition and Fees Refund Policy

Fee Schedule of Adjusted Tuition Charges in the Event of an Exception to the General Policy	
Date of Official Withdrawal	Adjusted Tuition Charges You Pay
Fall and Spring Semesters	
1st through 7th calendar day after the end of the Drop/Add deadline date	30%

8th through 14th calendar day after the end of the Drop/Add deadline date	40%
15th through 21st calendar day after the end of the Drop/Add deadline date	50%
22nd through 28th calendar day after the end of the Drop/Add deadline date	60%
29th through 35th calendar day after the end of the Drop/Add deadline date	70%
36th through 42nd calendar day after the end of the Drop/Add deadline date	80%
43rd through 49th calendar day after the end of the Drop/Add deadline date	90%
Thereafter	100%
Date of Official Withdrawal	Adjusted Tuition Charges You Pay
1st and 2nd Summer Semesters	
1st through 3rd calendar day after the end of the Drop/Add deadline date	30%
4th through 7th calendar day after the end of the Drop/Add deadline date	40%
8th through 10th calendar day after the end of the Drop/Add deadline date	50%
11th through 14th calendar day after the end of the Drop/Add deadline date	60%
15th through 17th calendar day after the end of the Drop/Add deadline date	70%
18th through 21st calendar day after the end of the Drop/Add deadline date	80%
22nd through 24th calendar day after the end of the Drop/Add deadline date	90%
Thereafter	100%

Student Financial Aid

Student Financial Services
John F. Morris, Director, Student Services
Conwell Hall, Ground Floor
215-204-8760
www.temple.edu/sfs
sfs@temple.edu

Application Procedures

Documents Needed to Apply

The only document required is the Free Application for Federal Student Aid (FAFSA). A FAFSA must be filed each year a student expects to receive financial aid. Applications are available at all Student Financial Services (SFS) locations and also may be filed online at www.fafsa.ed.gov/. The federal code for Temple University, Main Campus is 003371. Locations and phone numbers for Temple University's SFS offices are listed at www.temple.edu/sfs/contact.htm.

Application Deadlines

New Students -- March 1
Continuing Students -- March 1

Priority consideration is given to new and renewal applications received by the Federal Processor by this date. Late applicants will be considered, but all funding sources may not be available.

International Students

The Office of International Services, 215-204-7229, offers limited financial assistance to persons holding non-immigrant visas. Federal regulations limit most financial aid to U.S. citizens or eligible non-citizens, i.e., permanent resident aliens (<http://studentaid.ed.gov/PORTALSWebApp/students/english/Glossary.jsp>). Questions about immigrant status should be referred to the office.

Academic Requirements

Applicants for Federal, State, and University financial aid programs administered by Temple University must be accepted for admission or currently enrolled as a matriculated student in a degree or certificate program. Exceptions to this requirement are the Federal Stafford Loan or PLUS Loan Programs. A non-matriculated student may be eligible for a Federal Stafford if the student is enrolled in a course of study necessary to prepare for admission in a degree or certificate program. Students enrolled in the Qualifying Program have one 12-month period beginning on the first day of the loan period for which the student is enrolled.

Satisfactory Academic Progress

Financial aid funds are restricted to students who make satisfactory academic progress. This is defined as maintaining Academic Good Standing according to University Policy and successfully completing a specified number of credits per academic year based on the student's enrollment status. Also see [Academic Warning, Probation, Dismissal and Reinstatement](#).

Enrollment Status

Some financial aid programs are restricted to full-time students. Other aid programs are available to both full-time and part-time students. (NOTE: High school students accepted under the Early Admissions Program are not eligible for financial aid until they receive their high school diploma.)

Students should be aware that dropping and adding courses can affect financial aid eligibility, and they must notify the Department of Student Financial Services of any change in enrollment status.

Academic Dismissal/Reinstatement

Eligibility for financial aid, including federal work-study, ends if a student is academically dismissed or ceases to be enrolled.

Financial Aid Eligibility -- Need Analysis

Financial aid is offered to students based on financial need. The U.S. Department of Education establishes the federal definition of need. Need is determined by the following formula:

$$(\text{Estimated cost of attendance}) - (\text{Expected Family Contribution}^*) - (\text{Expected Financial Aid}) = \text{Need}$$

*The Expected Family Contribution (EFC) is determined by a federal formula based on information reported on the student's FAFSA application. The EFC is the number that's used to determine a student's eligibility for federal student financial aid. This number results from the financial information a student and/or parent provided in the FAFSA application. The student's EFC is reported to the student on the Student Aid Report (SAR).

The result of a need determination is met by a combination of awards called a financial aid package. Packages in 2007-2008 generally met 96% of student need, including the Federal Family Educational loans.

Other sources exist that may be available to students for educational assistance. Some of these are private scholarship programs, Cooperative Education programs, Veterans Administration benefits, public assistance, and Social Security benefits. If outside assistance is received, financial aid awarded by the university may be adjusted.

Independent Student Definition

2008-09 Financial Aid Applicants: Federal regulations define an independent student if he/she meets one of the following criteria:

1. You were born before January 1, 1985.
2. You will be enrolled in a master's or doctoral program for the 2008-09 academic year.
3. You are married.
4. You have children and/or dependents who receive more than half of their support from you.
5. You are a ward of the court, or both your parents are deceased.
6. You are currently serving on active duty in the U.S. Armed Forces, or you are a veteran of the U.S. Armed Forces.

Federal regulations require that a student not meeting the definition of independent apply as a dependent. These students must provide income, asset, and household information for themselves and their parent(s), (including stepparent[s]).

Educational Budget

Financing one's education takes planning and budgeting. Students should try to plan ahead, anticipating costs and resources, and should request aid for the entire academic year. The basic budget for a year at Temple should include tuition and fees, books and supplies, living expenses, and transportation. Tuition shown in the following example is for undergraduates attending Main

Campus. Financial aid awards will be adjusted accordingly for programs having different tuition rates. The figures in the table are based on estimates from the U.S. Bureau of Labor Statistics. The economy and one's style of living may make actual costs higher or lower.

Sample Budgets for 2008-2009 Academic Year

	In-state	Out-of-state
Tuition and Fees (<i>Estimated</i>)	\$11,400	\$20,400
Books/Supplies (<i>Estimated</i>)	\$1000	\$1000
Living Expenses/Transportation (<i>Estimated</i>)	\$13,700	\$13,700
Totals	\$26,100	\$35,100

NOTE: Actual rates may vary depending on college, school, program, housing location and meal plan selected. Tuition rate is an estimate at time of printing.

Financial Aid Notification and Refund Policy

Applicants are notified of aid eligibility by letter or electronic letter after applications have been reviewed. Financial aid may consist of a combination of grant, loan, and/or work assistance.

Recipients receiving aid in excess of institution charges will receive a refund. Checks are issued according to the university's established schedule, starting immediately after the end of the first week of classes each semester.

Student Employment

Academic Year

The Federal Work Study (FWS) program at Temple promotes part-time employment of college students with demonstrated financial need. FWS is awarded as part of the student's financial aid package, but the award is not credited to the student's tuition account.

Employment may be within the university or at other public and private non-profit organizations. All university work-study job openings are posted on StudentJobs@Temple. Students can reach StudentJobs@Temple via the [TUPortal](#). Select "Students" under "TULinks" and find StudentJobs@Temple under "Other Links." Please note that students are responsible for arranging their own employment.

Summer Sessions

Summer Federal Work-Study Program awards need-based funds to full-time students currently enrolled in degree or certificate programs. The Student Financial Services Office compiles a list of available positions, but you must arrange your own employment. You must complete a separate Temple Summer Financial Aid application as well as the FAFSA. Both applications are

available on the [SFS web site](#) under the "Applying for Aid" section, or please call the Student Financial Services Office at 215-204-2244 to request both applications.

Grants, Scholarships and Loans

The following grants and scholarships have individual eligibility requirements and procedures. Be sure to read the requirements for each carefully.

Temple University Grants

Temple University Grants are institutional funds available to students as a way of supplementing other aid sources. These funds are awarded based on need, as determined by the Free Application for Federal Student Aid (FAFSA), with priority given to applicants whose FAFSA is received by the federal processor by **March 1**.

Temple Scholars Award

Entering freshmen with excellent high school grades and test scores are offered 4-year academic merit scholarships ranging from \$1,000 to \$10,000 for up to four (4) years of full-time undergraduate study. The award is made by the Office of Undergraduate Admissions at the time of acceptance based on the **admission** application.

Music Scholarships

Music scholarships are awarded on a competitive basis to students of exceptional musical ability. These awards are given to vocalists participating in the various university choirs and instrumentalists participating in the Temple University Orchestra, bands, and other ensembles. Recipients may matriculate in any of the undergraduate colleges. Prospective applicants should contact the Boyer College of Music and Dance at 215-204-8301 to arrange for an interview.

Temple University Diamond Bands

Membership in the Diamond Bands is open to all qualifying students from any school, college, or campus of the university. At Temple, the bands serve the entire student population; membership, therefore, includes not only music majors but also a large proportion of students representing almost every academic area of the university.

Scholarships are available to students selected for membership in the Diamond Bands in varying amounts based on participation and musicianship as determined by the Boyer College of Music and Dance. For further information, contact the Director of Bands, Room 315, Presser Hall, Temple University, Philadelphia, PA 19122 or call 215-204-8321.

Athletic Scholarships

Athletic scholarships are available in all varsity sports. The number of scholarships, requirements, standards, and awards are controlled by Temple University and by the National

Collegiate Athletic Association (NCAA). For further information, contact the Department of Intercollegiate Athletics, 215-204-2571.

ROTC Scholarships and Grants

See Military Science under the [Academic Opportunities](#) section of the *Bulletin*.

State and Federal Grant Programs

To be eligible for the following grants, students must complete the Free Application for Federal Student Aid (FAFSA).

Pennsylvania State Grant (PHEAA)

The Commonwealth of Pennsylvania funds a grant program for undergraduate Pennsylvania residents who will be matriculated students enrolled full-time (12 or more credit hours per semester) and part-time (6-11 credits) during the academic year. This program is administered by the Pennsylvania Higher Education Assistance Agency (PHEAA).

Non-Pennsylvania residents should check with their respective state agency for state grant information. The U.S. Department of Education provides a full list of higher education agencies by state at the [Education Resource Organizations Directory](http://wdcrobcolp01.ed.gov/Programs/EROD/org_list.cfm?category_ID=SEA) web site at http://wdcrobcolp01.ed.gov/Programs/EROD/org_list.cfm?category_ID=SEA.

Students residing in states other than Pennsylvania can contact their state education department directly to inquire about scholarship and grant opportunities. A directory of state educational grant agencies can also be found online through the U.S. Department of Education's [Education Resource Organizations Directory](#).

Not all state grant programs are transferable if a student is attending a school outside of their home state.

Federal Pell Grants

To be eligible for a Pell Grant, one must be a matriculated student enrolled in an undergraduate degree program who has not earned a bachelor's or professional degree. Notification of awards will be made in the student's award letter.

Federal Supplemental Educational Opportunity Grant (FSEOG)

FSEOG is a federal grant program administered by the university. Awards are based on exceptional need and availability of funds.

Student Loans

Federal Perkins Loans

Perkins Loans are made by the university from funds provided by the Federal government. These loans are included as part of the financial aid package. The amount of the loan is based on the student's need and availability of funds.

Federal Stafford Loans

Stafford Loans are available to students enrolled for at least six (6) credits per semester. Annual limits are: \$3,500 freshman, \$4,500 sophomore, and \$5,500 all other undergraduate levels. For all undergraduate study, the maximum that may be borrowed is \$23,000.

Unsubsidized Stafford loans are available to independent undergraduate students at a variable interest rate. Dependent students may borrow only if the parent(s) is unable to borrow a PLUS. Loans may be requested up to \$4,000 for freshman and sophomores and \$5,000 for the junior year and above.

Effective July 1, 2008, undergraduate students are eligible to receive an additional Unsubsidized Stafford loan of \$2000 for funds disbursed on or after July 1, 2008. Note: Student must meet all federal eligibility requirements.

Federal Parent Loans for Undergraduate Students (PLUS)

PLUS loans are available to the parents of undergraduate students at a variable interest rate. Parents may borrow amounts not to exceed the cost of attendance.

Federal Parent Loans for Graduate Students (GRADPLUS)

PLUS loans are available to graduate students at a variable interest rate. Graduate students may borrow amounts not to exceed the cost of attendance.

Nursing Student Loans (NSL)

NSL are made by the university from funds provided by the federal government. These loans are included as part of the financial aid package. The amount of the loan is based on the student's need and availability of funds. Students may borrow up to \$2,500 per academic year.

Pharmacy Health Profession Loans

Pharmacy Health Profession Loans are made by the university based on demonstrated financial need. Funds are provided by the federal government. Pharmacy students may borrow a maximum of \$2,500 plus the cost of tuition.

Entrance/Exit Interviews

Federal law requires that every student borrowing from the programs listed above have an entrance and/or exit interview. During these sessions, a counselor will explain the provisions of loan repayment and deferment options.

Stafford loan funds will not be released without the entrance requirement, and students may not graduate until the exit interview is completed. Any student withdrawing from the university before graduation must contact the Bursar Department at 215-204-6170 to schedule an exit interview. Students failing to do so will have a hold placed on their records.

School and College Loan Fund

Loans are available from the university's individual schools and colleges based on financial need and/or other criteria. Students should contact the appropriate Dean's Office or department chair for more information.

Other Programs

A number of Temple's schools and colleges have privately-sponsored scholarships available for students in their programs. Details may be found in the individual school or college descriptions.

In addition to the scholarships available through Temple University, a wide range of scholarships, fellowships, and internships are available on a competitive basis to students during and immediately after their undergraduate careers. The Office of the Senior Vice Provost for Undergraduate Studies provides information about these opportunities and support for students interested in preparing applications. For more information, go to www.temple.edu/vpus/programs_initiatives/scholarships.htm.

Student Responsibilities

Every registered student agrees to abide by an overall set of values, principles and regulations mandated by the university. In order for a student to remain in good standing, it is imperative that each student assumes responsibilities throughout his/her enrollment at Temple. Students also have a number of rights which protect their interests. This section details these important responsibilities and rights.

Academic Honesty

Temple University believes strongly in academic honesty and integrity. Plagiarism and academic cheating are, therefore, prohibited. Essential to intellectual growth is the development of independent thought and a respect for the thoughts of others. The prohibition against plagiarism and cheating is intended to foster this independence and respect.

Plagiarism is the unacknowledged use of another person's labor, another person's ideas, another person's words, another person's assistance. Normally, all work done for courses -- papers, examinations, homework exercises, laboratory reports, oral presentations -- is expected to be the individual effort of the student presenting the work. Any assistance must be reported to the instructor. If the work has entailed consulting other resources -- journals, books, or other media -- these resources must be cited in a manner appropriate to the course. It is the instructor's responsibility to indicate the appropriate manner of citation. Everything used from other sources -- suggestions for organization of ideas, ideas themselves, or actual language -- must be cited. Failure to cite borrowed material constitutes plagiarism. Undocumented use of materials from the World Wide Web is plagiarism.

Academic cheating is, generally, the thwarting or breaking of the general rules of academic work or the specific rules of the individual courses. It includes falsifying data; submitting, without the instructor's approval, work in one course which was done for another; helping others to plagiarize or cheat from one's own or another's work; or actually doing the work of another person.

The penalty for academic dishonesty can vary from receiving a reprimand and a failing grade for a particular assignment, to a failing grade in the course, to suspension or expulsion from the university. The penalty varies with the nature of the offense, the individual instructor, the department, and the school or college.

Students who believe that they have been unfairly accused may appeal through the school or college's academic grievance procedure. See [Grievances](#) under Student Rights in this section.

Attendance

Enrollment in a course presupposes intention to attend regularly. Attendance requirements should be announced by the instructor at the beginning of the course. The student who is absent for any reason is responsible for work missed. If a pattern of excessive absences develops, the instructor may report this fact to the student's advisor through the department in which the student is enrolled.

The student should understand that excessive absences may, at the option of the instructor, jeopardize the grade and/or continuance in the course. Although attendance is basically a matter between the student and the instructor, either may request the counsel of the advisor or the Office of the Dean in special cases.

Students should consult the policies and regulations of their own school or college for any further specifications of attendance policy.

Clearing Holds

A hold is an action placed on a student's record. Holds may affect a student's ability to register for courses, to apply for graduation, or to receive transcript services or degree audit reports.

Students may receive holds on their records for financial, academic, or disciplinary reasons. Students are obligated to resolve holds as quickly as possible, working with their academic advising office, student financial services, or other offices, as appropriate. Academic holds may be caused by failure to declare a major by the appropriate time, low GPA, or failure to make academic progress. Students receiving a "See College Dean" hold should meet with their academic advisor as soon as possible.

Code of Conduct

The Temple University *Student Code of Conduct* can be viewed at http://policies.temple.edu/getdoc.asp?policy_no=03.70.12. Printed copies are available at the Office of the Dean of Students.

Temple University has the responsibility to formulate and enforce rules of conduct which are necessary for the furtherance of its educational goals and essential activities. In particular, the university has an obligation to protect itself from any acts which tend to impede, obstruct, or threaten its normal operations. While this authority is inherent, the university attempts to delineate its expectations as clearly as possible and publish its regulations. Students, both as individuals and as members of student organizations, are responsible for apprising themselves of, and complying with, all applicable, existing regulations in the *Undergraduate Bulletin* and any regulations that may be subsequently promulgated through appropriate publications of the university community. Copies of *Student Rights*, the *Code of Conduct*, and the *Disciplinary Procedure* may be obtained from the Office of the Dean of Students and on the web site at www.temple.edu/deanofstudents.

The University Disciplinary Committee is responsible for administering the Student Code of Conduct. Violations of the university's Code of Conduct, including, among other things, theft, underage consumption of alcohol, disorderly conduct, plagiarism, and possession of a weapon, can result in a student being brought before the University Disciplinary Committee. A finding of responsibility may result in a fine, suspension, and/or permanent expulsion from the university. A disciplinary hold is placed on the student's record until sanctions are fulfilled. The hold prevents students from registering for courses, receiving their transcript or graduating.

Financial Obligation to the University

Being a Temple student means incurring a financial obligation to the university. An important part of taking responsibility for your education is to be aware of tuition and fee charges, payment and financial aid procedures, and all relevant deadlines, and to make sure that forms are submitted and bills paid on time. Even if someone else is paying the bills, you are responsible for remaining in good financial standing with the university. Failure to satisfy financial obligations, when due, can result in cancellation of your current registration, denial of the right to register for future sessions, delay in graduation, and withholding of official transcripts and diplomas after graduation.

Your registration for courses is not final until all applicable tuition and fees are processed by the Department of Student Financial Services. For information on registration, its financial aspects,

and the impact of registration changes on your financial obligation to the university, please see the [Registration](#) section of the *Bulletin*.

For current tuition rates and fees, see [Tuition and Fees](#) in this *Bulletin* and the Bursar's Office web site at www.temple.edu/bursar/about/tuitionrates.htm.

For information about payment, and about Financial Aid, Financial Aid requirements for satisfactory academic progress, and the impact of registration changes on your eligibility for aid, see [Student Financial Aid](#) in this *Bulletin* and the Student Financial Services web site at www.temple.edu/sfs/.

For information on campus housing and meal plans, see [Student Support and Services](#) in this *Bulletin*, and the Office of University Housing web site at www.temple.edu/housing.

See your school's or college's policies on graduation procedures for information on the impact of unmet financial obligations on clearance for graduation.

Health and Safety Issues

Alcohol Policy

In accordance with Pennsylvania law, no individual under the age of 21 may possess or consume alcohol on university property. Student organizations may not serve alcohol at campus events. The use of alcohol in the residence halls and university-owned housing is covered in the Proprietary Policies developed by the Office of University Housing and in the Student Code of Conduct. Please also see the university's Student Drug and Alcohol Policy (http://policies.temple.edu/getdoc.asp?policy_no=03.70.01), Student Code of Conduct (http://policies.temple.edu/getdoc.asp?policy_no=03.70.12) and Guide to Residential Life (www.temple.edu/housing).

All incoming new freshmen are strongly expected to participate in Alcohol-Wise, a web-based alcohol education program designed to assist students in making healthy decisions regarding alcohol use in college. For more information, go to www.temple.edu/provost/resources/Alcohol-Wise.htm, send an e-mail to Alcohol-Wise@temple.edu or call 215-204-2639.

Drug Policy

The unlawful manufacture, distribution, dispensation, possession or use of controlled substances in any facility or work site of Temple University is strictly prohibited. Please see the university's Student Drug and Alcohol Policy (http://policies.temple.edu/getdoc.asp?policy_no=03.70.01).

Immunizations

Under Pennsylvania state law, all students living in university-owned or -operated housing are required to submit proof of a one-time meningococcal vaccination, or submit a signed waiver. In addition, entering students are strongly advised to submit to Student Health Services proof of

two measles immunizations (usually given as MMR), or serologic proof of measles immunity. Other immunizations that are routinely recommended for college students are rubella, mumps, diphtheria-tetanus, varicella (chickenpox) for those who have not had the disease, and Hepatitis B. Some students may also need Hepatitis A, IPV (polio booster), pneumococcal, or influenza vaccines; check with your doctor.

Students from countries with a high rate of tuberculosis must be screened for the disease. These students will be informed of how to complete this screening. Prior BCG vaccination does not exempt students from this evaluation.

Medical Fees and Insurance

Students are responsible for any medical fees incurred outside of Student Health Services, including those incurred at Temple University Hospital. Group medical insurance is offered at the beginning of each semester through the Benefits Office. Full-time students may enroll for health coverage in the months of September (effective September 1) or February (effective March 1). Students are urged to carry this insurance or a comparable policy. Students who are insured should keep in their possession the receipt of the above group policies or identification cards for other policies. All new and continuing international students in both J-1 and F-1 status are required to carry health insurance that meets certain minimum standards determined by the United States Information Agency (USIA). These students will be enrolled in the Low Option of Blue Cross/Blue Shield Plan, as well as the International Group Services Plan. For more information, contact the Benefits Office at 215-204-1321 or go to www.temple.edu/hr/students/index.html.

International Students

Temple University requires all new and continuing international students in Nonimmigrant Student (both F-1 and J-1) status to carry health insurance that meets certain minimum standards determined by the United States Department of State. For detailed information, please see www.temple.edu/ois/insur.htm.

All international students in Nonimmigrant Student (F-1 and J-1) status must maintain their nonimmigrant status insofar as regulations of the United States Citizenship and Immigration Services (USCIS) and the United States Department of State (DOS) are concerned. In general, students in this status must complete a full-time course load each academic term while they remain in the United States and must not accept unauthorized on-campus or off-campus employment. For detailed information, please see www.temple.edu/ois/maintain.htm.

Eligibility for employment for individuals in Nonimmigrant Student (F-1 and J-1) status is based on regulations of the USCIS and the DOS. For detailed information, please see www.temple.edu/ois/emplelig.htm.

Major medical health insurance is required for all international students in Nonimmigrant Student (F-1 and J-1) status. International students are required to submit to the university's Benefits Office evidence of coverage by a health insurance policy that meets the minimum

coverage required by Temple University (consistent with standards established by the United States Department of State): maximum deductible of \$500 per accident or illness; payment of at least 75% of covered medical expenses; maximum benefit of \$50,000 per accident or illness; repatriation benefits of no less than \$7,500; and medical evacuation benefits of no less than \$10,000. Students may also purchase such health insurance upon arrival at Temple University. For further information, please contact the university's Benefits Office at 215-204-1321 or visit the student insurance information web site at www.temple.edu/hr/students/index.html.

In addition, international students must demonstrate that they are free of active tuberculosis by submitting to Student Health Services a Tuberculosis Screening Record which has been certified by a licensed physician. International students may meet this requirement upon arrival at Temple University by taking a PPD test at [Student Health Services](#).

A mandatory orientation session is held for new international students at the beginning of each academic term. For more information, please see the Office of International Services web site at www.temple.edu/ois/orientation.htm and the Office of Orientation web site at www.temple.edu/orientation/accepted/orientation_testing/orientation_testing.html.

For more information about maintaining Nonimmigrant Student (F-1 and J-1) status, please see www.temple.edu/ois.

Registration

Students must be appropriately registered for courses. Students not on the published grade list may not receive a grade or credit for a course. Use your OWLnet screens to confirm your billing and registration status. If you add or drop a course, or revise your class schedule, check OWLnet to make sure that your registration record is accurate. Be warned, if you are registered for a course but don't attend, you will be billed for the course, and your instructor should post a final grade of "F."

Temple E-mail Accounts

All students are required to obtain a Temple e-mail address and follow guidelines for university use of e-mail; the policy establishes your Temple e-mail account as an approved channel of communication for sending you official university notifications and important information. Visit <https://accounts.temple.edu/> in order to obtain your account.

Student Rights

Academic Rights and Responsibilities

Temple University students who believe that instructors are introducing extraneous material into class discussions or that their grades are being affected by their opinions or views that are unrelated to a course's subject matter can file a complaint under the university's policy on

academic rights and responsibilities. The full policy can be found at http://policies.temple.edu/getdoc.asp?policy_no=03.70.02.

The policy encourages students to first discuss their concerns with their instructor. If a student is uncomfortable doing so, or if discussions with the instructor do not resolve the student's concerns, an informal complaint can be made to the Student Ombudsperson for the student's school or college. Unresolved complaints may be referred to the dean for handling in accordance with the school or college's established grievance procedure. Final appeals will be determined by the Provost.

Course Syllabus

Instructors are required to supply a detailed syllabus explaining course rules and expectations for courses in which you are enrolled. The content requirements for course syllabi are enumerated on the Temple Policies & Procedures web site at http://policies.temple.edu/getdoc.asp?policy_no=02.78.13.

Student Feedback Form (SFF)

Each course (with few exceptions) is required to employ a standard form for student evaluation of courses and teaching. Please fill out the SFF forms thoughtfully at the end of your course. (Temple Policy [02.78.14](#))

FERPA/Privacy Guidelines

As is required by the Family Educational Rights and Privacy Act (FERPA) of 1974, with certain exceptions, generally Temple University cannot disclose a student's education records without the written consent of a student or without proof by a parent that the student is dependent on his/her parents for federal income tax purposes.

FERPA provides the following rights for students and for the parents of dependent students, as described above, attending Temple University:

- The right of a student, with minor limitations, to inspect and review his or her education records;
- The right to request amendment of a student's education records to ensure that they are not inaccurate, misleading, or otherwise in violation of the student's privacy or other rights;
- The right, with certain exceptions, to consent to disclosures of personally identifiable information contained in the student's education records;
- The right to withhold public disclosure of any or all items of so-called "Directory Information" by written notification to the Office of the Dean of Students within two weeks after publication of this notice. Under current university policy, the item "Directory Information" includes a student's name, street address, e-mail address, confirmation of enrollment status (full-time/part-time), dates of attendance, degree received, awards received (e.g., Dean's List), major field of study, participation in officially-recognized activities and sports, and weight and height of members of athletic teams.

- The right to file a complaint with the United States Department of Education concerning the alleged failure of Temple University to comply with the requirements of FERPA and of the implementing regulations.

The procedures for exercising the above rights are explained in "Temple University's Policy Regarding Confidentiality of Student Records," copies of which are available in the Office of the Dean of Students and on Temple's web site at <http://policies.temple.edu/ferpa>. Included in this policy is a description of the types and locations of educational records maintained by the university.

If you or your parents' primary or home language is not English, upon your request, reasonable efforts will be made to provide you with a translated copy of this "Annual Notice," as well as with "Temple University's Guidelines Pertaining to Confidentiality of Student Records."

Please note that, in compliance with a 1997 federal statute designed to advance military recruiting, Temple may release dates of birth to the military unless the student notifies Temple that he or she wishes this information withheld.

FERPA Waiver

A student may consent to the release of information from education records to parents, guardians or other appropriate persons. The students may provide the university with their consent by completing the FERPA waiver online via OWLnet (<http://owlnet.temple.edu>).

Americans with Disabilities Act (ADA)

Under the Americans with Disabilities Act (ADA), Section 504 of The Rehabilitation Act of 1973, and Section 508 of the Rehabilitation Act of 1998, Temple University strives to make programs, activities and services accessible for persons with disabilities. Disability Resources and Services (DRS) is the department that facilitates access for students with disabilities at the university. Please see the [Student Services](#) section of the *Bulletin* for information on Disability Resources and Services.

Protection from Discrimination and Harassment

Office of Multicultural Affairs

Sandra A. Foehl, Director, Affirmative Action Compliance and Investigation
Mitten Hall, Lower Level
215-204-7303/7335
Fax: 215-204-8052
www.temple.edu/omca

Equal Opportunity: Temple University is committed to a policy of equal opportunity for all in every aspect of its operations. The university has pledged not to discriminate on the basis of race, color, gender, sexual orientation, age, religion, national origin, disability, marital status or

veteran status. This policy extends to all educational, service, and employment programs of the university.

Affirmative Action at Temple has these inclusive objectives: To support the admission and successful participation of disadvantaged students, students with disabilities, and those for whom English is a second language; to employ and advance in employment qualified women, minorities, individuals with disabilities, Armed Forces service medal veterans, disabled veterans, recently-separated veterans, and other protected veterans.

Temple University's equal opportunity/affirmative action program complies with federal regulations. For more information or to review Temple's Affirmative Action Plan, contact the Office of Multicultural Affairs, Mitten Hall, Lower Level (phone: 215-204-7303).

Discrimination: A student or employee who thinks he or she is being discriminated against or harassed because of race, color, gender, sexual orientation, age, religion, national origin, disability, marital status or veteran status should contact the Office of Multicultural Affairs. It is this office's responsibility to help the student file a complaint through the appropriate grievance procedures and attempt to remedy any affirmative action or Title IX problem it discovers in the course of an investigation.

Sexual Harassment: Temple University is committed to providing a learning, working, and teaching environment that emphasizes the dignity and worth of every member of its community, free from discriminatory conduct. Sexual harassment in any form or context is inimical to this and will not be tolerated. Sexual harassment subverts the mission and the work of the university and can threaten the career, educational experience, and well-being of students, faculty, and staff.

The university recognizes that sexual harassment may occur regardless of the formal position or status of each person involved. Sexual harassment is especially offensive, however, when it occurs in relationships between teacher and student or between supervisor and subordinate. In those situations, sexual harassment exploits unfairly the power inherent in the position of the faculty member or supervisor.

Sexual harassment also constitutes a form of sex discrimination that is illegal under Title VII of the Civil Rights Act of 1964, Title IX of the Elementary/Secondary Education Act of 1972, and state law. In addition to any sanctions that may be imposed by the university for violation of this policy, a person who sexually harasses another person may be held personally liable to the victim and be subject to sanctions independent of those imposed by the university.

Persons who feel they have been the victim of sexual harassment may make a complaint to any Equal Opportunity Ombudsperson. For the names of the Equal Opportunity Ombudspersons designated in a specific school or college, contact the Dean's Office, the Office of Multicultural Affairs (www.temple.edu/omca), 215-204-7303/7335 or the Sexual Assault Counseling and Education Program (www.temple.edu/counseling/services.html#sace), 215-204-7276.

Students, faculty, and staff may bring a formal administrative complaint of sexual harassment by filing a written complaint directly with the university's Office of Multicultural Affairs and are

not required, but are encouraged, to utilize informal resolution procedures before filing a formal complaint.

University policies on sexual assault and harassment, which include procedures for filing complaints, are available from the Office of Multicultural Affairs, Mitten Hall, Lower Level, 215-204-7303 or TTY: 215-204-6772.

Grievances

Title IX of the Education Amendments Act of 1972 requires that each college or university establish due process for the resolution of academic grievances. Undergraduate students enrolled at Temple University have the right to appeal any academic or non-academic matter in which they feel they have been treated unfairly.

While each school and college at Temple University has established and adheres to its own grievance procedure, all have in common the following steps:

1. Students attempt resolution through discussion with the instructor.
2. Failing agreement, students present appeals to the chair of the department, specifying the nature of the grievance, the result of the previous discussion, and the resolution sought.
3. Failing agreement at the department chair level, students may appeal to the Office of the Dean of the College.
4. When appeals warrant review beyond the school or college, students, faculty members, or the dean's office may appeal to the Senior Vice Provost for Undergraduate Studies.

Details that may vary from school to school include the involvement of a student-ombudsperson; the constitution of grievance hearing committees, which may be a part of either step two or three; and time limits, both for students' filing and for the administrative response.

Students should be advised that filing a formal grievance, that is, beyond the level of the instructor, is serious and should be avoided until all informal methods of adjudication have been used.

For further information on academic grievance procedures, students should inquire in their dean's office or with an advisor or the student-ombudsperson in the relevant school. For non-academic grievances, further information is available in the Dean of Students' Office, 215-204-7188 or www.temple.edu/deanofstudents. (Temple Policy [03.70.12](#))

Instructor Office Hours

Full-time faculty are required to hold a minimum of three office hours per week and should schedule one hour immediately before or after one of the scheduled class meeting times for each course. Adjunct instructors are required to schedule one office hour per week for each class they

teach and should schedule that hour either immediately before or after one of the scheduled class meeting times for that course. Make it a point to talk with your instructors about your academic work and progress. (Temple Policy [02.78.12](#))

Non-Smoking Policy

Temple University is committed to providing a smoke-free environment for everyone at Temple. All university facilities are designated as non-smoking. In addition, all indoor Temple University-sponsored activities that take place in facilities not owned or operated by Temple University are smoke-free in those areas under Temple's control. This policy will be enforced according to established university policies and procedures. (Temple Policy [04.62.11](#))

Student Services Office Hours

All Temple University offices directly serving students will maintain uniform business hours (8:30 a.m. to 5:00 p.m.). (Temple Policy [04.31.11](#))

Academic Support

Academic Computer Services

Students can take advantage of a number of first-class technology resources available at Temple University, including the TECH Center, a state-of-the-art technology facility on Main Campus at 12th Street and Montgomery Avenue with over 600 computers available for student use. Software needed for all academic disciplines is centralized in the center, making it easy for students to find the programs they need. Additional features include specialized multimedia labs, breakout rooms for group study, video served to lab computer desktops, wireless lounge space, EZ-Stop Internet browsing stations, and a Starbucks café. In addition, for the convenience of students, there is 24-hour access to the center. For more information on the TECH Center, go to <http://techcenter.temple.edu>.

The Computer Services Help Desk is also located in the TECH Center. At the help desk, professional consultants offer technical assistance on a wide range of computer topics. To obtain assistance, students can stop by the help desk on the first floor of the TECH Center, call 215-204-8000, or send e-mail to help@temple.edu.

In order to use the computer resources at the TECH Center as well as Temple's numerous applications and systems available online, you will need your AccessNet username and password. With this login information, you can gain entry to the TUportal web site (<http://tuportal.temple.edu>), a single gateway to the university's most popular services, including TUmial, Blackboard, OWLnet, Diamond Dollars, the Cherry & White Pages, My Backpack, and My Housing.

TUmial is an integrated e-mail system accessible anywhere on the internet to students using a web browser or software such as Microsoft Outlook or Netscape Mail. The Blackboard system

enables faculty and students to share coursework materials and discuss topics online. OWLnet allows students to review course prerequisites and register for classes, view rosters, check grades, view account balances and financial aid information, and pay bills, all on the web.

For up-to-date information on the rapidly-changing nature of technology at Temple, including wireless access and security awareness initiatives, go to the Computer Services web site at www.temple.edu/cs.

For the locations of Computer Services Help Desks at Ambler, Fort Washington, Tyler, TUCC and the Health Sciences Center, go to the Walk-In Support section of the Computer Services web site (www.temple.edu/cs/helpdesk/contact/walkin.htm).

In Fall 2006, Ambler Campus opened its new Ambler Learning Center, a state-of-the-art facility incorporating smart classrooms, wireless technology, new computer labs/classrooms, breakout room and study lounges.

Advising

It is recommended, and in some cases required, that students consult with an advisor prior to registration. The advisor reviews the proposed coursework and attempts to keep students informed of the requirements for graduation. In addition, the advisor helps the students achieve breadth in the curriculum and provides other assistance needed.

Academic advisors strive to avoid errors when advising students about program requirements, although the college cannot assume liability for errors in advising. Students must, therefore, assume primary responsibility for knowing the requirements for their degree and for acquiring current information about their academic status.

Students are required to meet with an advisor when they do not meet the academic standards set by their college. See the Academic Policies section of the *Bulletin*, called [Probation and Dismissal](#), for detailed information.

Each school, college, and campus of the university offers a range of academic advising for students. Professional advisors and/or faculty advisors help students plan curriculum, choose majors, make vocational and post-graduate plans, and resolve a variety of academic issues. Students should consult the specific advising unit in their colleges and schools for services and policies that apply to them. Please refer to your school or college section of this *Bulletin* for locations and specific information about these units.

Some of the services offered by the advising centers are:

- New Student Orientation for freshmen and first semester transfer students.
- Curriculum advising for continuing students who have completed fewer than 30 credit hours. Students with a declared major and more than 30 credits should see their school or college Advising section of this *Bulletin* to determine advising policies that apply.

- Students enrolled in the University Honors Program may also be advised in the Honors Office in Tuttleman Learning Center until they have completed 60 semester hours, with the exception of the Fox School of Business and Management. All other students are advised in their departments.
- Registration Assistance for students. This includes online processing of original registrations and/or schedule revisions, and course withdrawals through the ninth week of the spring/fall semester and the third day of the summer sessions.
- Academic counseling for students to develop a meaningful education plan compatible with life goals. Through contact with departmental faculty, students gain an in-depth appreciation of a specific discipline and discover opportunities associated with their field of interest. Students can also meet with advisors to discuss a variety of academic concerns and develop some possible solutions. Students experiencing academic difficulty work with advisors to learn strategies for overcoming the obstacles to success.
- The advising centers help students understand the policies and procedures that are integral to achieving a successful and fluid transition through university life. This includes such things as Academic Progress Reports, Academic Good Standing, Grievance procedures, registration policies, etc.
- Intra-University Transfer (IUT) Advising for students changing programs or campuses at Temple.
- Withdrawal and Readmission interviews.
- Graduation Reviews for students entering their senior year.
- Petition Requests are initiated by the advising center on behalf of the student and include: attending another university for a semester or summer course, grading in one course on a credit/no credit system, registering for an overload, evaluating life experience credit and credit by examination, reviewing of transfer credit evaluation, considering DARS exceptions, and receiving approval for an exception to policy.
- Referral to other services. Advisors make referrals to such services as financial aid, career development, counseling, tutoring, disability services, testing, etc.
- Preparation for Registration. Advisors aid students in the period during the fall and spring semesters when currently-enrolled students register. Prior to the processing of their registrations, students should meet with advisors to review their DARS documents and discuss course selections for the upcoming semester. DARS for all students are available on the web through the [TUportal](#).

Student Athlete Academic Advising & Support Center

Dr. Ellen H. Brown, Director
1800 N. Broad Street
Pearson Hall 103
215-204-9002

Hours of Operation

Center Hours:
Monday-Friday 8:30 a.m. - 5:00 p.m.

Study Hall Hours:

The study hall facilities in Pearson Hall are available to student athletes Monday through Thursday from 9 a.m. to 3 p.m. and 6 p.m. to 9:30 p.m., Fridays 9 a.m. to 3 p.m., and Sundays 2 p.m. to 5 p.m.

Edberg-Olson Football Complex - hours determined by football staff.

The Student Athlete Academic Advising & Support Center (SAAASC) monitors the academic progress of all student athletes. From the admissions stage through graduation, the center provides coordination of academic services, academic counseling, advising, and tutoring to all Temple University student athletes. The center has a strong commitment to the education and graduation of all student athletes.

The mission of the Student Athlete Academic Advising & Support Center at Temple University is to assist all student athletes in their development as individuals and as active members of the university community. The center will provide an environment that embraces student athlete personal, academic, and social growth. It is the mission of the center that student athletes utilize the resources and opportunities provided to develop and refine the necessary skills to achieve their personal goals.

The Student Athlete Academic Advising & Support Center promotes academic excellence through ensuring student athlete welfare at every opportunity, while empowering student athletes in their decision-making and life skills. Student athletes will be accountable and responsible members of the Temple University and surrounding communities.

Student Athlete Tutoring

Tutoring is a service offered to student athletes by the Student Athlete Academic Advising & Support Center. The tutorial program is designed to act as a supplement to classroom instruction, individual study, and preparation.

Tutorial services are available on an individual, small group, and walk-in basis during scheduled study sessions. Review sessions for courses with high student-athlete enrollment are also offered throughout each semester.

Tutor Program Contact:
Nick Plack, Program Coordinator
215-204-7413
nplack@temple.edu

Degree Audit Reporting System (DARS)

Debbie Bennett-Kenney, DARS and Transfer Systems Coordinator
Sheila Brogden, DARS Sr. Encoder
Christianna Schley, DARS Encoder
dars@temple.edu
www.temple.edu/vpus/advising/dars

DARS stands for the Degree Audit Reporting System. Students and advisors can use DARS both to track and plan students' academic progress toward completion of an undergraduate degree in their declared or proposed major. DARS shows students how their Temple University courses, transfer courses, and courses in progress apply toward degree requirements. It enables a student to explore alternative academic programs and gives detailed and accurate information about the student's academic record.

DARS is updated every night. Using the new interactive audit, students can view and run degree audits online, and project how future courses might apply towards their degree. Audits are web-based, secured, highly-interactive, and compatible with modern major browsers.

Students can learn more about DARS at the DARS web site, including information about how to interpret the DARS, general resources available in the DARS office, and general information about the system.

Pre-Professional Health Studies Advising & Programs

Neida Pérez, Ed.M., Director
Pre-Professional Health Studies Advising Center
1810 Liacouras Walk, Suite 100
215-204-2513
healthadvising@temple.edu
www.temple.edu/healthadvising

The Pre-Professional Health Studies Advising Center at Temple University serves undergraduates interested in developing an academic and co-curricular profile that will increase their success in post-graduate and professional endeavors. The center provides academic advising, co-curricular, and professional development opportunities for students interested in preparing to go to professional school in:

- Dentistry
- Medicine
- Optometry
- Pharmacy
- Podiatry
- Veterinary Medicine

The Pre-Professional Health Studies Advising Center provides advising support for students to help them identify their academic strengths and interests and the paths that will best prepare them to fulfill their career aspirations within the health professions. Specifically, the center provides:

- individual, group, and electronic advising to help students identify tracks and programs best suited to their interests in the health care profession;
- seminars, colloquia, and speakers on issues and concerns central to understanding the complexities of the health care profession in the twenty-first century;

- student organizations focused on health care issues and concerns that students can get involved in early and stay involved in throughout their undergraduate career; and
- information on opportunities for internships, service learning, and other experiential learning activities key to the professional development of the individual interested in a career in the health-care profession.

All entering, transfer and current students with an interest in applying to health professional schools are strongly encouraged to develop an alternative plan, which might include exploring opportunities in the health care profession in the following areas:

- Communication Sciences
- Health Information Management
- Kinesiology
- Physical Therapy
- Physical Assistant
- Speech & Language Pathology
- Occupational Therapy
- Public Health
- Therapeutic Recreation
- Social Work in Health

Post-Baccalaureate Program in Health Professions

As of February 1, 2008, the Temple Post-Baccalaureate Program is being administered by Temple University School of Medicine and is designed to meet the needs of students with non-science backgrounds, as well as individuals wishing to improve their academic credentials. The newly revised program offers unique options for students focused on the pursuit of a career in medicine and will offer two tracks to meet the needs of these two different groups of students. The two tracks will be known as The Basic Core in Medical Science (BCMS) and The Advanced Core in Medical Science (ACMS), respectively. For more information please visit the Temple University School of Medicine web site at www.temple.edu/medicine/education/post_bac_programs.htm.

The Health Scholars Program

The Health Scholars Program is designed to recruit exceptional students to Temple University by offering a challenging academic and experiential learning experience that will help them prepare for leadership roles in their professional careers. In doing so, the Scholars Program provides a distinctive quality for Temple students seeking admission to health professional programs.

Offering specific tracks for Medical Scholars, Dental Scholars, Pharmacy Scholars, Physical Therapy Scholars, and Podiatry Scholars, the Health Scholars Program provides undergraduates pursuing careers in the health professions with academic and experiential learning opportunities that will prepare them to take leadership, including:

- a certificate program (seminars, courses, practicums, and a senior project),
- individual mentoring with a faculty member or professional from the student's intended field, and
- conditional acceptance to the appropriate Temple University professional school.

In addition, Scholars are eligible for the accelerated programs that allow them to complete their undergraduate degree with the coursework required in the first year of their professional school program.

The University Libraries

Larry P. Alford, Dean of University Libraries
215-204-8231
<http://library.temple.edu/>

The Temple University Libraries form an extensive network of services and resources to support the educational and research needs of the university's students and faculty.

The combined collections include more than 3 million volumes and 27,000 current serial subscriptions, and over 400 research databases, as well as extensive collections of microforms, maps, photographs, and audiovisual materials.

Special collections include the Urban Archives, which document the development of the Philadelphia metropolitan area since the mid-19th century; the Blockson Afro-American Historical Collection; the Rare Books and Manuscripts Collection; the Contemporary Culture Collection; the Science Fiction and Fantasy collections; the Philadelphia Dance Collection; the CBS3 (KYW-TV) Video Archives; and the University Archives. As a participant in the Federal Depository Library Program, the library receives 68% of the publications issued by the U.S. Government Printing Office. It is also a depository for all official publications of the Commonwealth of Pennsylvania.

Information retrieval: Research databases, full-text resources, the online catalog, electronic references, and other information and services are at library.temple.edu. The online catalog (diamond.temple.edu) lists library holdings and course reserves and their circulation status, and links directly to selected electronic course reserve materials. The Paley Library offers a computing commons and hundreds of seats for study. A media services center provides access to audio-visual resources, and offers specialized viewing/listening stations and study rooms.

Expert assistance in using the library resources is provided by reference staff. Students are introduced to basic information literacy skills through the University General Education program. Librarians collaborate with faculty to integrate research skills development into general education courses, such as the freshman *Analytical Reading and Writing* course. TILT, a self-paced online library research tutorial, is required for all incoming transfer students. Librarians also provide user education classes tailored to individual courses. Individual questions are answered in person, as well as by phone, e-mail, online chat, and IM.

When local resources do not supply needed material, Temple students and faculty may directly request books from other universities and colleges through the E-Z Borrow Program, or request article copies and books through the Temple Libraries' interlibrary loan service.

Locations:

The resources of the University Libraries are housed in Paley Library (the main library) and in a number of separate facilities serving specific disciplines and campus locations. Hours and information for the following are on the libraries' web site.

- Ambler Library, 580 Meetinghouse Road, Ambler, PA 19002, 267-468-8640
- Charles L. Blockson Afro-American Historical Collection, Sullivan Hall, Main Campus, 215-204-6632
- Harrisburg Library, 234 Strawberry Square, Harrisburg, PA 17101, 717-232-6400
- Health Sciences Center (HSC) - Kresge Library, Kresge Building, HSC Campus, 215-707-4557
- Health Sciences Center (HSC) - Charles E. Krause Library of Podiatric Medicine, School of Podiatric Medicine, 8th and Race Streets, Philadelphia, PA, 215-629-0300
- Health Sciences Center (HSC) - South Library, Old Dental School Building, HSC Campus, 215-707-2850
- Law Library, Charles Klein Law Building, Main Campus, 215-204-7981
- Paley Library, 1210 W. Berks Street, Main Campus, 215-204-8211
- Science, Engineering and Architecture Library, College of Engineering Building, Second Floor, Main Campus, 215-204-7828
- Tyler School of Art Library, Beech and Penrose Avenues, Elkins Park, PA 19027, 215-782-2849

Reading rooms and libraries are also maintained by several academic programs. The following facilities are located on the Main Campus:

- College of Liberal Arts Educational Technology Center, AL-21 Anderson Hall, 215-204-8265
- Esther Boyer College of Music Alice Tully Library, Rock Hall, 215-204-5531
- Esther Boyer College of Music Listening Library, 100 Presser Hall, 215-204-8338
- Social Science Data Library, 863 Gladfelter Hall, 215-204-5001

Math & Science Resource Center (MSRC)

Mona Zaoudeh, Director
1810 Liacouras Walk, Room 201
215-204-8466
www.temple.edu/msrc

Hours of Operation for Fall and Spring Semesters on Main Campus:

Monday-Thursday, 8:30 a.m. - 8:30 p.m.

Friday, 8:30 a.m. - 3:30 p.m.

Saturday, 10:30 a.m. - 2:30 p.m.

(Summer I and II hours of operation can be found on the MSRC web site)

Ambler Campus

102 Learning Center

Call 267-468-8204 or visit the MSRC web site for hours of operation

The Math and Science Resource Center's (MSRC) mission is to create a dynamic, effective learning environment for Temple undergraduate students. The MSRC provides academic

services and resources for a range of courses from mathematics and statistics to biology, chemistry and physics. The services and resources are available to all students: those who are experiencing difficulties in a course, as well as those already excelling academically.

The MSRC offers individual tutoring throughout the semester to help students learn and master math and science course content. MSRC tutors are graduate and upper-level undergraduate students majoring in Biology, Chemistry, Mathematics, Physics, Statistics and related fields. These tutors receive special training to develop effective tutoring strategies in their specific field of study. This training prepares tutors to help students, especially those new to university-level courses, overcome their difficulties. Students who are unable to visit a tutor during the MSRC's hours of operation can receive tutoring via the internet at www.temple.edu/msrc. A tutor will review questions submitted via this web site and respond within 24 hours.

In addition to tutoring services, the MSRC provides an array of resources to help Temple students achieve their academic goals. Tutors use sample problem sets approved by academic departments to conduct exam review sessions that emphasize fundamental principles introduced in the classroom. At the end of each semester, final exam review sessions are provided for classes with high enrollments. During these sessions, tutors reinforce material presented during the course and address specific questions students may have.

The MSRC has a fully-equipped computer laboratory/classroom designed for working in mathematics and science, and for assisting other students who are working on web-based assignments or need to use specialized software such as Matlab or Maple. The workstations have both color and laser printers to produce finished, high-quality assignments. The MSRC also has a Laptop Loaner Program so that students can access online assignments and software while working with a tutor. In addition to the computer laboratory, the MSRC also has a resource library where students may borrow materials, such as textbooks, student solutions manuals, reference books, and programmable calculators.

A valid Temple student ID is all that is needed to use any of the MSRC's resources or services. Visit the MSRC office or web site (www.temple.edu/msrc) for up-to-date announcements and resources.

The Russell Conwell Educational Services Center

Michael Stokes, M.Ed., Director
1700 N. Broad Street, Room 202
215-204-1252
michael.stokes@temple.edu
www.temple.edu/rcc

If you want to enhance your leadership skills, chart a career path, do better academically, review/prepare for a class, or prepare for graduate school, come to the Russell Conwell Center (RCC). The RCC is a network of programs providing comprehensive academic support, professional development, and leadership training to facilitate student retention and graduation and to help students prepare for their future careers. The RCC provides individualized services

to students and fosters a supportive community where students can explore their interests, build skills, and seek the assistance they need to achieve their goals. Throughout the academic year, specialized assessments, educational workshops, tutorial services, certificate skill proficiency programs, professional development seminars, peer mentoring, leadership enrichment, and academic counseling are offered to students. The RCC also has six computer labs and a laptop loan program for student use. The RCC employment program hires over 100 students each year as tutors, classroom assistants, instructors and office assistants during the year. Furthermore, the RCC serves as the home of the Supplement Scholarship Committee, providing annual scholarships to over 100 Temple University students. In addition to serving students during the academic year, the RCC offers a six-week Summer Bridge Program for entering freshmen through its “Freshmen Admission Programs” described below. Students with a GPA above 2.8 have the opportunity to take part in an undergraduate research experience and a simulated graduate school experience through the RCC Ronald McNair Program (see below). The McNair Program is designed to prepare students who desire to pursue a doctoral degree to enter a graduate program. The RCC also serves Philadelphia high school students who aspire to attend college through two Temple University Upward Bound Programs. The RCC offers a wide range of services and supports students in high school and undergraduate education and preparation for graduate school. Stop by and see how we can assist you.

Freshman Admission Programs to the Russell Conwell Center [Act 101, Educational Services Component, and Student Support Services, which is funded by the U.S. Department of Education]:

These three RCC programs provide academic support and retention services for freshmen or current students who seek to achieve academic success, build leadership, join a supportive community, or participate in educational and cultural programs. The RCC programs offer extensive leadership opportunities for students to strengthen their skills and learn strategies and concepts, while applying their skills in various leadership experiences. The mission, objectives and services of the three programs are essentially the same, with the primary distinctions established by state or federal requirements as outlined by the different funding sources. Students admitted by the Temple Office of Undergraduate Admissions and assigned to the RCC begin their university experience during a six-week Summer Bridge Program prior to their fall enrollment. Upon successful completion of the Summer Bridge Program, students matriculate as Temple University freshmen in the fall semester and receive advisement, academic support and service from the RCC throughout their undergraduate career. The Summer Bridge Programs are an excellent opportunity to get a "jump start" on your Temple education. The program is designed to improve student's academic skills in mathematics, technology, English, and library skills. Students complete various academic assessments and develop a four-year academic plan to keep them on track toward graduation. Students also receive academic and educational counseling to facilitate their successful transition into the collegiate academic, social, and cultural milieu, creating a foundation for academic excellence. Students currently attending Temple can join the RCC by contacting Janice Kersey Boyd at 215-204-3245 or by visiting the office at 1700 N. Broad St., Room 202.

Graduate School Preparation Program [Ronald E. McNair Post-Baccalaureate Achievement Program, funded by the U.S. Department of Education]:

This graduate school preparation program is designed to prepare twenty (20) sophomore, junior

and senior students for successful entry into, and graduation from, a doctoral program. Prospective participants must aspire to enroll in a future Ph.D. program and have an interest in teaching at the collegiate level. In addition, students must be a first-generation college student with a low-income economic status (as defined by the U.S. Department of Education), or be from a group that is underrepresented in graduate education. Students will participate in a simulated graduate school experience during the academic year and summer. The program seeks a two-year commitment from students. In the first year, students serve as research fellows, where they complete a faculty-guided research project, attend a *Graduate School Preparatory Seminar*, and begin the process of identifying their target graduate programs. During the second year, students serve as teaching fellows, where they assist a faculty member in teaching a course in *Intellectual Heritage*, research and develop their teaching pedagogy, and prepare a mock application or actually apply to their target graduate programs. During both years, students live in the residence halls during the summer program, take a GRE preparation seminar, and attend professional student conferences. Students culminate their summer participation by presenting their research at the McNair Scholars Summer Research Conference, as well as additional conferences throughout the nation. McNair Scholars will receive a stipend during their program participation, as well as summer room and board. For more information contact Nathan Knispel at 215-204-8023 or stop by the McNair office at 617 Ritter Annex.

Pre-College Programs [Upward Bound and Math Science Upward Bound Programs, both funded by the U.S. Department of Education]:

The Upward Bound and Math Science Upward Bound Programs prepare Philadelphia high school students for successful entry into, and graduation from, college. During the academic year and six-week summer program, students participate in numerous activities, including academic enrichment; enroll in mathematics, English and science classes; attend workshops; and receive tutorial services and leadership development. A full range of academic assessment and counseling is also provided with a focus on academic, career, financial and personal development. Students are guided through the career development process to understand and select appropriate majors, leading to a career that matches their interests, skills, and abilities. Students also receive SAT preparation throughout the program. During the summer program, students reside on campus at Temple University during the week to gain insight into, and experience the nuances of, college life. In addition, the programs assist students in developing their leadership and public speaking skills, while sponsoring field trips, college tours and site-visits to educational, cultural, and science-related institutions. Students in the Math Science Upward Bound Program spend their summer preparing a biological, mathematical or technological research proposal that is presented at the Summer Science Symposium. This research proposal is then conducted during the academic year and presented at the city-wide George Washington Carver Science Fair. For more information contact Michael Stokes at 215-204-5544 or Vanessa Atkins at 215-204-7653 or stop by the office at 1700 N. Broad St., Room 202.

Tutoring Services

Tutoring at no charge is available in the following schools, colleges, and departments:

Main Campus and Health Science Campus

Accounting
382 Speakman Hall
215-204-8110

Alliance for Minority Participation (AMP) Bridges to Baccalaureate Program
A306 Barton Hall
215-204-4550

College of Health Professions
1316 Ontario St.
Jones Hall, Room 518
215-707-8214

Economics
626 Ritter Annex
215-204-8880

Engineering
Engineering and Architecture Building, Room 323
215-204-7818

Finance
205F Speakman Hall
215-204-8451

French
Anderson Hall, Room 512
215-204-8266

Intellectual Heritage
215A Anderson Hall
215-204-1770

Kinesiology (formerly Physical Education)
Tutoring is available to students enrolled in 1223 or 1224, *Anatomy and Physiology*.
215-204-1947

Management Information Systems
29 Speakman Hall (BizTech lab)
<http://mis.temple.edu/tutor/default.htm>

Mathematics and Sciences Resources Center (MSRC)
Walk-in basis, no appointments necessary
1810 Liacouras Walk, Room 201 & 208

215-204-8466

www.temple.edu/msrc/

Online tutoring available at www.temple.edu/msrc/OnlineTutoring.html

Pharmacy, School of

Tutorials available for undergraduate students in the School of Pharmacy.

3307 N. Broad Street, Room 141

215-707-4900

Praxis Tests

Office of Student Services

College of Education

215-204-6010

Risk Management and Insurance (RSK MGT)

479 Ritter Annex

Tutoring is available for RSK MGT 2101

Russell Conwell Educational Services Center

Group and individual tutoring are available in numerous courses upon request; there is also the opportunity to join ongoing, structured study sessions.

1700 N. Broad, Room 202

215-204-1251

www.temple.edu/rcc

Social Administration, School of

New Career Ladders in Social Work

521 Ritter Annex

215-204-7611

William Thompson, Communication Skills Instructor

650 Ritter Annex

215-204-6029

Statistics

203 Speakman Hall

215-204-8144

Ambler Campus, 123 West Hall

267-468-8200

University Writing Center

201 Tuttleman Learning Center

215-204-0702

www.temple.edu/writingctr

Ambler Campus

Office of Academic and Career Development
109 West Hall
267-468-8200

Statistics
123 West Hall

Mathematics/Science
102 Learning Center
267-468-8204

Writing
102 Learning Center
267-468-8204

Center City Campus

Statistics
Second Floor, 1515 Market St.

Other Tutoring Sources

- Instructors may be able to recommend tutors, often graduate students working toward master's or doctoral degrees in the department.
- Departmental offices generally have lists of qualified tutors available to work with undergraduates.
- The Student Assistance Center, first floor, Student Center, Main Campus, maintains a list of students available to tutor in a variety of subjects. These tutoring services often are available for a nominal hourly fee, arranged with the tutor.
- At the Ambler campus, the Office of Academic and Career Development, 109 West Hall (267-468-8200), maintains information about tutoring services.

The University Writing Center

Lori Salem, Director
www.temple.edu/writingctr

Locations and Hours:

Main Campus

Hours: Monday – Thursday, 8:30 a.m. to 8:30 p.m.
Friday, 8:30 a.m. to 4:30 p.m.
Saturday 10:00 a.m. to 4:00 p.m.

201 Tuttleman Learning Center
215-204-0700

Ambler Campus

Call 267-468-8204 for hours
102 Learning Center

The University Writing Center provides services to students and faculty across the university. These services include tutoring, workshops, and seminars, as well as a computer classroom. Many of these services, including tutoring, are accessible online through the center's web site. All services are free-of-charge to Temple students and faculty. Tutoring services are offered on a drop-in basis or by appointment.

Center staff include faculty, graduate students, and advanced undergraduates from a variety of fields and disciplines, including history, English, philosophy, education, and honors. All are selected based on their demonstrated writing ability and teaching aptitude. Staff participate in regular professional development sessions.

Services for Students

Students can work one-on-one or in small groups with center staff on writing being done for any course. They may also bring writing being done outside of course work. Tutors work with students at any stage of a writing project, from planning and drafting to revising and editing. They encourage students to focus on specific aspects of their writing, such as organization, sentence clarity, or paragraph structure. Writing Center staff cannot edit students' papers for them.

Students who come to the center for tutoring can also make use of the center's computer lab. They can use desktop publishing software to write and print papers; plan, outline, revise, edit, and proofread; and format and generate bibliographies and citations. The lab is connected to the internet; students may access the web and all library research facilities. Help is available for using these technologies. The lab also includes hardware and software designed to assist students with disabilities.

The center maintains an [interactive web site](#). Students can access and download resources and handouts, and they can also access online tutoring. Students can submit papers or questions to the e-mail tutoring service, and they will receive a reply from a tutor within 24-36 hours.

Services for Faculty

Faculty teaching a writing or writing-intensive course can request an in-class writing workshop on a wide variety of topics. The writing workshops are interactive, and they are tailored to specific courses and assignments. To request a workshop, faculty can call the center or access the center's [web site](#) at www.temple.edu/writingctr.

Faculty can also request a writing fellow to support their teaching in writing-intensive courses. Writing Fellows are specially-selected graduate and upper-division undergraduate students who are carefully trained to work as peer tutors. Fellows are paired with writing-intensive courses in the disciplines, and they provide tutoring for all students in those classes.

The center maintains an extensive library of resource materials. Faculty can request books and articles related to the teaching of writing in the disciplines. The center's web site offers resources organized by course.

Faculty teaching writing-intensive courses are invited to request use of the center's state of the art computer classroom. This 27-station classroom is organized in a seminar style, with access to projection and to the internet. Technical support for faculty using this facility is also available.

Student Services

Career Development Services

Rachel Brown, Director
2nd Floor, Mitten Hall
215-204-7981
215-204-4462 (Fax)
www.temple.edu/careerdev

Career Development Services (CDS) assists students and alumni in all phases of the career development process, including career self-assessment, career exploration, the job search, and success on the job. Students are encouraged to begin their career assessment and exploration as early as their freshman year. Career counseling and advising is offered, as well as online assessments through the Myers Briggs Type Indicator (MBTI) and the Strong Interest Inventory. Lots of valuable information about career choices and career paths can also be obtained in the CDS Online Career Library. Full-time, part-time, seasonal, co-op, internship, and other experiential learning opportunities are posted online at www.temple.edu/careerdev. They can be accessed by students anytime, anywhere.

Workshops are held regularly throughout the semester on a broad range of career-related topics, including résumé writing, interview techniques, the job search, career decision making, selection of a major, and many others. Each semester, a university-wide career fair attracts hundreds of quality employers to the spacious Liacouras Center.

Cooperative Education

Cooperative Education (Co-op), which links classroom instruction with practical application in the workplace, is coordinated by Career Development Services.

Extern Program

The Extern program is an optional work experience/career education program designed to aid students in making better-informed career decisions based on practical experience and self-assessment. It is sponsored by Career Development Services. Students accepted into the program receive individualized career counseling, on-the-job experience, and academic assignments. Students are placed as volunteers with organizations in areas that complement their career objectives and/or fields of study. Participating students receive 2 or 3 academic credits.

On-Campus Recruitment

The On-Campus Recruitment Program brings a wide range of top-notch employers to campus to interview Temple students. On the day of the appointment, both students and employers meet in the CDS Interview Suite right on campus. It's easy, convenient, and very effective. Often, employers hold information sessions prior to their scheduled interview day; students are strongly encouraged to attend. Check out the web site at www.temple.edu/studentaffairs/careerdev/employers/ocr/index.html, or stop by the CDS office for further details.

Internships

CDS posts a wide range of internship opportunities that may or may not provide academic credit or pay but are great opportunities to explore the job market and gain valuable experience in your field.

Disability Resources & Services

John Bennett, M.S., Director
100 Ritter Annex
1301 Cecil B. Moore Avenue
215-204-1280
215-204-1786 (TTY)
215-204-6794 (Fax)
www.temple.edu/disability

Attending a university can be exciting and challenging for any student, and equally so for students with a disability. However, students with a disability have told us they have extra considerations, some of which they can sort out themselves and some for which they may need assistance. Disability Resources & Services is here to assist you in ensuring your disability does not obstruct your academic success.

We have over 30 years experience in supporting students with a disability and have a team of knowledgeable staff ready to assist you.

It is estimated that 8% of university students have some kind of disability. Students with a disability include those with physical, visual, hearing, medical, psychological, and learning

disabilities. The largest groups of students who use our service are those with learning disabilities and attention-deficit hyperactivity disorder.

Temple University provides the following support services to students with a disability:

- Pre-College Prep Information
- Intake Assessment
- Campus Accessibility
- Placement Exam Accommodations
- In-Class Support Services
 - Note-taking
 - Testing Accommodations
 - Alternate Format Materials
 - Sign Language and CART Services
- Access to Assistive Technology
 - Screen Readers
 - Text to Speech Software
 - Speech to Text Software
 - Alternate hardware – keyboard, mouse, etc.
 - Assistive Listening Devices
- Accessible Housing Options
- Scholarship Information and Resources

We strive to ensure disability does not become an obstacle to academic success for any student who chooses Temple University. Contact Disability Resources & Services and allow us to work with you in ensuring your educational experience is barrier free.

Disability Resources & Services is a confidential service.

Check out our web site at www.temple.edu/disability and see how we can assist you.

Campus Recreation

Steve Young, M.Ed., Director
Suite 102, McGonigle Hall
1800 N. Broad Street
215-204-1267
215-204-3223 (Recreation Hotline)
215-204-3800 (Fax)
campusrec@temple.edu (e-mail)
www.temple.edu/campusrec

Temple University Campus Recreation, a department within the Division of Student Affairs, is the coordinating office for recreational sports programs at Main Campus. More than 2,800 students, faculty, and staff participate daily in one or more of the various activities offered by our office. These activities include intramurals (men's, women's, co-rec), sports clubs and

organizations, informal recreation, special events and programs, group fitness, adapted recreation, aquatics, and student staff development.

Facilities

Independence Blue Cross Student Center (IBC)

The 59,000 square foot Independence Blue Cross Student Center (IBC) provides participants with a first-class environment for fitness conditioning, group fitness, martial arts, and racquetball. The IBC also has an indoor jogging track and an outdoor multi-purpose court.

Student Pavilion

The Student Pavilion is a 52,000 square foot space which provides opportunities for indoor activities such as basketball, volleyball, badminton, tennis, table tennis, soccer, flag football, and a golf driving range. Additionally, the Pavilion Complex includes a sand volleyball court and seven outdoor lighted tennis courts. One of the tennis courts has a special surface that accommodates rollerblading and in-line hockey. Other amenities include day lockers and equipment check-out.

Pearson Hall Pools

Aquatics programs are held in Pearson Hall Pools 30 & 31. Pool 30 is available for scheduled recreational swimming hours with some specific hours identified for lap swimming. Other aquatics events throughout the semester include: Swim into Shape, Water Aerobics, and Learn to Swim/Guard Classes.

Informal Recreation

Informal Recreation provides the opportunity to pursue recreational activities on an unstructured and voluntary basis. Run, swim, lift weights, or participate in other recreational activities at designated times. With fitness as the overriding theme, informal recreation is a very popular amenity available to the campus community.

Group Fitness

Group Fitness programs provide participants with a variety of choices ranging from aerobics and yoga to body toning and spinning. More than 65 sessions per week are offered by certified leaders. Campus Recreation provides participants with a dynamic array of sessions in a first-class aerobic facility.

Adapted Recreation

Extracurricular opportunities exist for students with physical disabilities. The goals of the Adapted Recreation program are: to introduce students to lifelong leisure skills and to promote total participation in college life. Throughout the year, additional events may be offered that seek to highlight the abilities of our diverse population here at Temple University. Such activities may include tennis clinics, rowing, road racing, and hand cycling. Tandem biking is also available for

visually-impaired students. If you seek advisement on recreational concerns in this area, contact our office to make an appointment.

Intramural Sports

The Intramural Program provides students with a flexible, yet structured, environment in which to participate in sport activities. Sport activities include basketball, dodge ball, flag football, floor hockey, indoor and outdoor soccer, softball, and volleyball. The sports are administered in league format with various divisions servicing men's, women's, and co-recreational teams. Teams and individuals must formally register for activities. Specific guidelines can be found in the Intramural Handbook.

Sport Clubs & Sport Organizations

Sport Clubs and Sport Organizations are groups of individuals who share a common interest in a sport activity and have gained university recognition via registration procedures governed by Campus Recreation. Sport Clubs and Sport Organizations differ in scope and purpose and are classified as highly-competitive, competitive, instructional, and/or recreational. The key element to the program is that it is student-initiated and organized with an emphasis placed on participation and interest in the same activity. There are currently 21 active clubs: Bowling, Cricket, Cycling, Equestrian, Fencing, Field Hockey, Ice Hockey, Indoor Rock Climbing, Karate, Lacrosse, Paintball, Roller Hockey, Rugby, Snowboarding, Swimming, Tae Kwan Do, Tennis, and Volleyball. Additional clubs and organizations may be initiated by students pending registration guidelines. Sport Club and Sport Organization Application Packets, Interest Forms and Club Contact Lists may be obtained at the Campus Recreation Main Office in McGonigle Hall.

For further information, call Campus Recreation at 215-204-1267, or visit the department web site at www.temple.edu/campusrec.

International Services/International Students

Martyn J. Miller, Ph.D., Director
Office 203B
1700 N. Broad Street
215-204-7708
215-204-6166 (Fax)
www.temple.edu/ois and www.temple.edu/ielp

International Services (OIS) provides service and support to Temple University's international students, scholars and researchers. Contributing to Temple's intellectual and cultural diversity, the international student and scholar community represents more than 120 countries and offers a unique opportunity to expand one's cultural and academic horizons. To accomplish its mission, International Services generates all legal documents required for nonimmigrant students and scholars; provides advisory and counseling services; serves as a liaison to university departments, U.S. and foreign government agencies, and the greater community; facilitates the

assimilation of international students and scholars into the larger Temple community; and contributes to the international community's cross-cultural understanding and appreciation. Detailed information on programs and services offered by OIS is available from the office in 1700 N. Broad St. or the office's web site at www.temple.edu/ois.

Through its [Intensive English Language Program](#), this office also provides English-language training to individuals seeking to improve their English language skills to prepare for admission to Temple University or other universities or colleges whose primary language of instruction is English.

Temple University requires all new and continuing international students in Nonimmigrant Student (both F-1 and J-1) status to carry health insurance that meets certain minimum standards determined by the United States Department of State. For detailed information, please see www.temple.edu/ois/insur.htm.

All international students in Nonimmigrant Student (F-1 and J-1) status must maintain their nonimmigrant status insofar as regulations of the United States Citizenship and Immigration Services (USCIS) and the United States Department of State (DOS) are concerned. In general, students in this status must complete a full-time course load each academic term while they remain in the United States and must not accept unauthorized on-campus or off-campus employment. For detailed information, please see www.temple.edu/ois/maintain.htm.

Eligibility for employment for individuals in Nonimmigrant Student (F-1 and J-1) status is based on regulations of the USCIS and the DOS. For detailed information, please see www.temple.edu/ois/emplelig.htm.

Major medical health insurance is required for all international students in Nonimmigrant Student (F-1 and J-1) status. International students are required to submit to the university's Benefits Office evidence of coverage by a health insurance policy that meets the minimum coverage required by Temple University (consistent with standards established by the United States Department of State): maximum deductible of \$500 per accident or illness; payment of at least 75% of covered medical expenses; maximum benefit of \$50,000 per accident or illness; repatriation benefits of no less than \$7,500; and medical evacuation benefits of no less than \$10,000. Students may also purchase such health insurance upon arrival at Temple University. For further information, please contact the university's Benefits Office at 215-204-1321 or for detailed information, please see www.temple.edu/hr/students/index.html.

In addition, international students must demonstrate that they are free of active tuberculosis by submitting to Student Health Services a Tuberculosis Screening Record which has been certified by a licensed physician. International students may meet this requirement upon arrival at Temple University by taking a PPD test at [Student Health Services](#).

A mandatory orientation session is held for new international students at the beginning of each academic term. For more information, please see the Office of International Services web site at www.temple.edu/ois/orientation.htm and the Office of Orientation web site at www.temple.edu/orientation/accepted/orientation_testing/orientation_testing.html.

For more information about maintaining Nonimmigrant Student (F-1 and J-1) status, please see www.temple.edu/ois.

SARS

Temple University has adopted a policy on Severe Acute Respiratory Syndrome (SARS), which may be viewed at http://policies.temple.edu/getdoc.asp?policy_no=04.64.11.

Department of Intercollegiate Athletics

www.owlsports.com

The Department of Intercollegiate Athletics is committed to pursuing excellence at the Division I-A level and providing opportunities for its diverse student-athletes to maximize their athletic, academic and life-skill potential. The department sponsors 24 sports and provides high-level coaches and administrators, whose goal is to instill a winning attitude on and off the field of play through core values such as teamwork, leadership and service to others. As one of the most visible messengers of the Temple story, the Department of Intercollegiate Athletics strives to be a unifying force for the university with the city of Philadelphia, The Commonwealth of Pennsylvania, as well as the nation. Temple University is a proud member of the National Collegiate Athletic Association, the Atlantic 10 Conference, the ECAC, and the Mid-American Conference for Football.

Office of the Dean of Students

Howard Gittis Student Center, Room 304

215-204-7188

215-204-1663 (Fax)

www.temple.edu/studentaffairs/deanofstudents/index.htm

The Dean of Students' Office provides quality programs and services for students that enhance the collegiate experience. The Dean's Office provides assistance to parents, students, and members of the university community. The office coordinates student leadership, staff development, recognition programs, and crisis response.

Student Health & Wellness

Student Health Services

1810 Liacouras Walk, Fourth Floor

215-204-7500

215-204-4660 (Fax)

www.temple.edu/studenthealth

Student Health Services strives to promote a high standard of health among Temple University students through programs in preventive medicine and health education, in addition to diagnosis and treatment of injury and illness. Care providers include doctors, nurse practitioners, and nurses. Services offered at the Main, Ambler, Tyler, and Health Sciences Center campuses include basic medical care, an immunization/allergy injection clinic, family planning services, and a self-care center. Other services offered at Main Campus include nutritional consultation and HIV testing.

Student Health Fee

Students are charged a fee each semester during the academic year to help subsidize the basic diagnostic and treatment services provided by health care providers at all four campus locations. There are charges for services not covered by the Student Health Fee such as dispensed medications, orthopedic supplies, and immunizations. Office laboratory tests can be performed at Tyler, Ambler, and HSC offices, while more extensive laboratory testing is available at the Main Campus office. **Please check the [Student Responsibilities](#) section for further information on health fee and insurance.**

Tuttleman Counseling Services

John DiMino, Ph.D., Director
1810 Liacouras Walk
215-204-7276
215-204-5419 (Fax)
www.temple.edu/counseling/

Tuttleman Counseling Services (TCS) is a comprehensive provider of mental health services to Temple's student population. Our mission is to support and enhance the psychological functioning of our students and thereby support the academic mission of the university. It is recognized that our students are dealing with a variety of major life issues as they pursue their education. These include separation and individuation, identity formation, relationships, affiliation, and career choices. In addition, some students come to us with prior mental health histories and medication needs.

TCS is first and foremost a provider of individual, couple, and group counseling services. This foundation provides students with support and guidance for a wide variety of problems, from adjustment issues and transitory difficulties to more serious psychological problems and even severe mental illness. In addition, TCS staff provides a full range of preventative services through orientation, outreach programs, and workshops. Whenever possible, we seek to help students avoid or reduce self-harm that may stem from making poor choices. Our prevention unit is called HEART (Health Education Awareness Resource Team). This unit is comprised of three professional staff and a large number of peer educators. All of our services are geared toward increasing self-awareness, understanding, and problem-solving skills that serve our students throughout their lives.

TCS provides services in the following areas:

Psychological Services: Psychological Services is staffed by licensed psychologists who provide brief individual, couple, and group counseling, as well as referral, consultation, and educational workshops. Some common issues that are addressed, either individually or in groups, include:

- relationship problems
- stress, depression, anxiety
- eating disorders
- loss and/or grief
- procrastination
- shyness
- academic performance
- career decisions
- family problems
- sexuality and sexually-transmitted diseases
- gay, lesbian, bisexual, and transgender issues
- racism
- sexism
- vocational counseling

The Psychological Services staff will also assist students in locating resources and other services available on campus or in the city that are specific to their needs.

CERT (Conflict Education Resource Team): CERT, a peer education program supervised by psychological services staff, exists to assist in the resolution of conflict and to provide information regarding the nature and value of conflict. In addition to offering educational workshops and programs, CERT provides free conflict-mediation and coaching to students who wish to find alternatives to resolve conflicts such as roommate disputes, organizational or club conflict, borrowing or lending disputes, family conflict, and more. These services are available by appointment.

Psychiatric Services: Psychiatric Services is committed to caring for the mental health needs of Temple University students by providing psychiatric evaluations, medication consultations, and short-term individual psychotherapy. The psychiatrist also responds to referrals from other TCS units and serves as a liaison to the Health Sciences Center. Students are seen by appointment, except in emergency situations when immediate care is required.

CASA (Campus Alcohol and Substance Awareness): The Campus Alcohol and Substance Awareness (CASA) program is a comprehensive program focusing on all aspects of alcohol and other drug use and abuse. The CASA program is staffed by certified addictions counselors who work with students individually and in groups.

SACE (Sexual Assault Counseling and Education): Recognizing that college students are often at risk for sexual assault, harassment, and other forms of interpersonal violence, the SACE program plays a pivotal role in changing attitudes and myths about violence through education and workshops within the university community. In addition, the program provides resources for workshops, participation in curriculum development, and coordination of services for survivors of assault. The SACE staff provides crisis intervention, survivor advocacy, individual

counseling, and groups for survivors of assault, child sexual abuse, domestic violence, and sexual harassment.

Hours are 8:30 a.m. to 5:00 p.m., Monday - Friday. The staff also provides onsite services at the Ambler and Tyler campuses. Students are seen by appointment except in emergency situations when immediate care is required. Services are free and confidential for all registered students.

Please call 215-204-7276 for more information.

HEART (Health Education Awareness Resource Team): The HEART team's mission is to provide comprehensive wellness education, resources, and prevention services to empower and support Temple University students in making informed, healthier choices and achieving academic success. Our goal is to create an environment in which students feel comfortable to stop by and talk about any health-related issue. Topics include sexual health, alcohol and other substances, HIV or other sexually-transmitted infections, sexual assault prevention, safer sex, stress management, tobacco cessation, nutrition and general wellness. All services are provided by certified peer educators and full-time health education staff.

HEART is located in the Lower Level of Mitten Hall. We offer free and confidential individual or group health-empowerment support on the Ambler, Main, Health Sciences Center, and Tyler campuses, as well as condoms at a discounted price to all Temple students, faculty and staff.

Educational outreach services include: workshops for campus communities, information campaigns, and a resource center with brochures, books, videos, and internet access. If you are interested in becoming a HEART peer educator or volunteer, please stop by the office or call us at 215-204-8436.

Housing & Dining Services

University Housing & Residential Life

Michael Scales, Assistant Vice President for Student Affairs & Director
1910 Liacouras Walk
215-204-7184
215-204-3261 (Fax)
www.temple.edu/housing/

Residence halls at the Main and Ambler campuses, as well as several leased, off-campus housing options, provide an opportunity for students to extend their learning experiences beyond the classroom, library, and laboratory. University Housing & Residential Life works to create group living environments in which each student is encouraged to develop as an individual in an atmosphere that promotes emotional, social, and intellectual growth. In addition, University Housing & Residential Life is committed to creating community-living environments that value and promote an appreciation for diversity of cultures, lifestyles, and people. Please check the Office of University Housing & Residential Life web site listed above, as well as the [Tyler](#) and [Ambler](#) campus web sites, for additional information on residential services available.

The Office of University Housing & Residential Life web site also provides online resources to assist Temple University students in locating off-campus housing.

Dining & Food Services

On each of our campuses, Temple University is pleased to offer students a multitude of dining options that are flexible and adaptable to a student's schedule and eating habits. A full-service Dining Center is located at the Main and Ambler campuses. The expanded Food Court, located in the Howard Gittis Student Center on the main campus, offers students dining options from Burger King to Einstein Bagels to Freshens Smoothies, to name just a few. Additionally, a number of independent eating establishments are located throughout the main campus, many of which accept Diamond Dollars.

Temple Dining Services Meal Plan Packages

Many of the plan options offered to students are combined packages that include a specific number of meals per week in addition to a set amount of Diamond Dollars. These meal plan packages allow students to dine in dining centers and the food courts and to purchase items from vending machines, convenience stores in the residence halls, and other eateries across Temple's campuses. All of the meal plan packages include a University debit program that allows students to utilize their University ID cards as a debit card. Diamond Dollars provide students with a method to purchase food at all Temple Dining Services locations and several independent eating establishments without having to carry cash. Diamond Dollars are purchased in advance and credited to students' accounts. Students may add additional Diamond Dollars at any time during the school year. Students can always access their accounts through the Diamond Dollars web site at www.temple.edu/diamonddollars to check their balance or even see where they have been spending their Diamond Dollars. Every time a purchase is made with Diamond Dollars, the cashier can state how much money is remaining on an account. Check www.temple.edu/dining/index.html for detailed information on meal plan packages.

Dining on the Ambler Campus

The Ambler Dining Center is an "all-you-can-eat" facility, offering a large variety of meal choices seven days a week. The Dining Center offers continuous service from Monday through Friday for breakfast through the "Fourth Meal" ending at midnight. Students from Ambler may use their meal plan for a meal equivalency at any Dining Center and the Howard Gittis Student Center Food Court.

University Services

Temple University Alumni Association

Suite 100, Sullivan Hall

Main Campus
215-204-7521
alumrel@temple.edu
www.myowlspace.com

Your degree from Temple comes with an automatic lifetime membership in the Temple University Alumni Association (TUAA). TUAA will serve as your link to Temple whether you have just graduated or been away from the university for years.

Founded in 1927, TUAA represents Temple University's 245,000 living alumni and is the umbrella organization for the 17 school and college alumni associations, the Young Alumni, and all other constituent alumni groups and regional clubs. The TUAA Board is composed of a representative from each school and college alumni association, directors-at-large, national directors, and faculty and student representatives.

TUAA represents the alumni voice in university affairs. Board members serve on key university committees and on the Board of Trustees. The organization also contributes to projects that improve student life on campus and spearheads programs that allow alumni volunteers to assist current students and the surrounding community.

Located on the first floor of Sullivan Hall within the Office of Institutional Advancement, the administrative offices of TUAA and the university's Office of Alumni Relations are open daily from 8:30 a.m. to 5:00 p.m.

The staff coordinates a variety of events and programs such as Alumni Weekend and Founder's Celebration, reunions for classes and shared interest groups, Senior Scholars, Temple on the Road, young alumni activities, student alumni association activities, and the regional clubs program. Numerous benefits such as discounted auto/homeowners' insurance, a travel program, access to campus recreation, and technical and library facilities are available to alumni through the TUAA.

After graduation, be sure to keep the university informed of changes in your address or occupation by calling 215-204-7521 or e-mailing alumrel@temple.edu. And don't forget to join the online community at myowlspace.com.

Bookstore

There are six Temple University Bookstore locations. Each store stocks all required books and supplies for the campus it serves. In order to maximize the number of used books available to students, the bookstore buys back from students books at the highest possible prices throughout the year. In addition to housing required course materials, all stores feature clothing, souvenirs, and giftware imprinted with the Temple name. Graduation rings can be ordered at any time. Academic regalia are available in the months preceding graduation.

The Main Campus store features the Book Corner, where non-required books, including best-sellers, Temple authors, literature, reference, and bargain books are available. Any book not on hand can be special ordered.

You will also find a large selection of magazines, snacks, soft drinks, greeting cards, gift-wrap, posters, and health and beauty aids.

During the first weeks of classes, store hours are extended at all locations. See signs posted at each location for specific hours during rush periods and semester breaks.

Regular hours of operation are:

Main Campus

www.temple.edu/bookstore

13th St. and Montgomery Ave.

The Student Center, lower level; 215-204-5578

Monday – Thursday: 9:00 a.m. – 6:00 p.m.

Friday: 9:00 a.m. – 5:00 p.m.

Saturday: 11:00 a.m. - 3:00 p.m.

Law School

<http://templelaw.bkstore.com/bkstore/content>

Temple University Bookstore

1700 N. Broad St., Ground Floor; 215-204-0514

Monday – Thursday: 8:00 a.m. – 8:00 p.m.

Friday: 8:00 a.m. – 6:00 p.m.

Saturday: 11:00 a.m. – 5:00 p.m.

Ambler Campus

<http://templeambler.bkstore.com/bkstore/content>

Bright Hall, First Floor; 267-468-8460

Monday – Thursday: 9:00 a.m. – 7:00 p.m.

Friday: 9:00 a.m. – 4:00 p.m.

Health Sciences Center

<http://temple-med.bkstore.com/bkstore/content>

3340 N. Broad St.

Student Faculty Center, First Floor; 215-707-3157

Monday – Friday: 8:30 a.m. – 4:30 p.m.

Tyler Campus

<http://templetyler.bkstore.com/>

Penrose Hall, basement; 215-782-2820

Monday - Friday: 8:00 a.m. – 4:00 p.m.

TUCC Campus

<http://templecenter.bkstore.com/bkstore/content>

1515 Market St., Third Floor; 215-204-1527

Monday – Thursday: 12:00 p.m. – 8:00 p.m.

Friday: 12:00 p.m. – 4:00 p.m.

Campus Safety Services

Campus Police

Carl Bittenbender, Executive Director

Campus Police Locations

Main Headquarters, 1101 W. Montgomery Avenue, Philadelphia, PA 19122; 215-204-7998

Berks Mall Center Station, corner of Berks Mall and Beasley Walk; 215-204-8895

Health Sciences Center, Parkinson Pavilion, Broad and Tioga Streets, Philadelphia, PA

Center City, 1515 Market Street, Philadelphia, PA

Ambler Campus, Bright Hall, Room 103; 267-468-8480

Tyler Campus, President's Hall, First Floor, Elkins Park, PA

Podiatric Medicine, 8th Street at Race Street, Philadelphia, PA

Emergency Phone Number for all campuses

On Campus: 1-1234

Off Campus: 215-204-1234

TTY: 215-204-2357

These phone numbers will reach the Department of Campus Safety Services from all campuses. You can also reach us through our web site at www.temple.edu/safety.

Campus Safety Services is a multi-faceted department that is committed to serving the students, faculty, employees, visitors, families and vendors, who work for, study at and visit our campuses. The department services a diverse community, 24 hours a day, 365 days a year. The two divisions are Police Officers and Security Officers. The Campus Police division currently has 124 campus police officers who patrol our area campuses by foot, by bike and in patrol cars. They are police professionals who receive state-mandated training at an accredited police academy. The Security division officers work inside various buildings, checking IDs and assisting staff and visitors.

During the academic year, members of the Temple Community are free to use the Owl loop service that provides shuttle service on the Main Campus from dusk to dawn.

The department also offers a variety of Crime Prevention programs, including self-defense, street smarts, and big-city living programs. For further information call 215-204-5870.

Our Annual Security Report is available on our web site.

Parking Services & Inter Campus Bus Service

Parking:

Office of Parking Services
Lower Level, Student Center (Main Campus)
1755 North 13th Street
215-204-5301
parking@temple.edu
www.temple.edu/parking

Temple University has eight (8) surface parking areas and two (2) parking garages on the Main Campus. Parking areas are also available at Ambler, Tyler and the Health Sciences campuses. Temple University Center City (TUCC) has negotiated parking discounts with nearby parking garages.

Debit card parking permits you to park in an assigned area when space is available. A hangtag/decal must be purchased, and it is valid for one academic year (September through August). In addition, a minimum of twenty-five (25) parking entries must be purchased on your debit card at a cost of \$128 (fifty [50] parking entries when entering after 3:00 PM). The rates are subject to change in the fall. Your hangtag/decal and your current Temple ID card are the mechanisms that control your entrance into the parking area or garage. Parkers may conveniently purchase additional parking entries at the Office of Parking Services, located on the lower level of the Student Center.

Note: Availability of areas is subject to change during summer and holidays and for a few special events. Having a parking hangtag/decal does not ensure space in a particular area.

Special parking is available for guaranteed access, students with disabilities, and motorcycles.

Inter/Intra Campus Bus Service:

In the evenings during the fall and spring semesters, students have the option of using the Owl Loop bus service on Main Campus. The service is free and operates from 5 p.m. to 6:30 a.m., Sunday through Saturday. Maps of the Owl Loop bus routes ([East "Cherry" Loop](#) and [West "White" Loop](#)) can be found at www.temple.edu/facilities/transhome1.htm.

Temple University also runs a free shuttle bus service to and from Main, Ambler, Tyler, TUCC, Health Science and the School of Podiatric Medicine campuses. Please check the Office of Facilities Management web site at www.temple.edu/facilities/transhome1.htm for a schedule of shuttle services. Information on these schedules may also be obtained at the Office of Parking Services or Campus Safety.

Retail Operations

Bookstores are located at each campus. (See [above](#) for locations.) In addition to textbooks, these stores also feature a variety of products that will meet students' needs on campus. Students can also find retail and food outlets on Main Campus along Liacouras Walk, on Broad Street at the Shops at Avenue North, on 12th Street (next to the TECH Center), and on Cecil B. Moore Avenue, west of Broad Street.

Academic Opportunities

Experiential Learning

Internships

215-204-7981

www.temple.edu/careerdev

Internship programs at various schools and colleges provide students with opportunities to gain experience in their chosen profession before they graduate from college. Internships not only give students a chance to practice the skills acquired in the classroom but also help them strengthen their résumé and establish contacts in their professions. For further information on available opportunities, students should contact their respective schools and/or Career Development Services.

The Office of the Senior Vice Provost for Undergraduate Studies also provides information about internship opportunities. For more information, go to www.temple.edu/vpus/programs_initiatives/internships.htm.

Externships

The Extern program is an optional work experience/career education program designed to aid students in making better-informed career decisions based on practical experience and self-assessment. It is sponsored by Career Development Services. Students accepted into the program receive individualized career counseling, on-the-job experience, and academic assignments. Students are placed as volunteers with organizations in areas that complement their career objectives and/or fields of study. Participating students receive 2 or 3 academic credits.

For more information, contact Career Development Services at 215-204-7981 or visit www.temple.edu/careerdev.

Community-Based Learning

Michele O'Connor, Assistant Vice Provost for First-Year and Transfer Programs
500 Conwell Hall
215-204-0550
michele.oconnor@temple.edu

Community-Based Learning (CBL) is a pedagogy that links necessary work conducted in community contexts to academic study in a rigorous, intentional, and meaningful fashion. It heightens the relevance of academic subjects by directly linking classroom learning to experiences in communities which may be defined by geography, affinity, or organization. Examples include: service learning; community-based research; community-based planning and design; community-based performance, and other artistic initiatives.

This pedagogy is designed to foster civic responsibility and dialogue, encourage personal growth and critical reflection, create relationships across difference, and enhance academic learning for college students. CBL must always benefit community members and organizations in a spirit of mutual partnership. (Adapted from AAHE materials 1993)

Community Service

Monica Hankins-Padilla, Assistant Director for Community Relations
Office of Community Service
Community Education Center
1509 Cecil B. Moore Avenue, Second Floor
215-204-7505
monica.hankins@temple.edu
www.temple.edu/community_service/

Temple Volunteers, the university's Office of Community Service, is dedicated to providing students with the resources and guidance necessary to immerse themselves in action for positive social change. As a team of administration, staff, and student leaders, we work to establish strong relationships within and beyond the Temple campus through community service. *Temple Volunteers* offers everything from one-day service activities to long-term opportunities and alternative break programs. For more information, visit www.temple.edu/community_service.

First Year & Transfer Programs

Michele O'Connor, Assistant Vice Provost for First-Year and Transfer Programs
500 Conwell Hall
215-204-0550
michele.oconnor@temple.edu

University Seminars

First-Year (Freshman) Student Seminars

[First-Year \(Freshman\) Student Seminars](#) are academic courses designed to support student learning and development in the critical first semester of college. The *Freshman Seminar* can be taken as part of a Learning Community or as a stand-alone course. College-specific seminars are offered by the College of Science and Technology and the School of Communications and Theater.

The Freshman Seminar, *Learning for the New Century*, a 1-credit course, assists students in making a successful transition to the university by helping students frame academic and life goals, develop successful study habits, and learn to function as an active member of the community.

Learning for the New Century is open to any interested freshmen. The seminar is offered on both the Main and Ambler campuses.

Sophomore Experience Seminar

The *Sophomore Seminar* is a 2-credit, academic course that provides sophomores opportunities to work on professional planning and development. Topics will include individual strengths exploration, academic majors, potential career paths, internship preparation, research opportunities, campus involvement, graduate school preparation, and career transition preparation.

Transfer Seminar

The *Transfer Seminar* is a 2-credit, academic course that introduces new transfer students to the opportunities and resources at Temple University. The course is designed to assist students in their transition as well as assist in preparing them for their future career/educational plans.

Learning Communities

A Learning Community consists of two or more linked courses designed to provide students with a more integrated and meaningful learning experience. Learning Communities foster an intellectual environment where learning can flourish and help smooth the transition to college by providing an opportunity for students to form bonds with fellow first-semester students who are in these same classes.

Many learning communities include a section of the first-year student seminar *Learning for the New Century*. Several Learning Communities meet Core, or foundational, academic requirements and are available in many undergraduate schools and colleges.

Learning Communities are designed primarily for the first semester college freshmen but are open to all first- or second-year students, including transfers. Some colleges or majors require freshmen to register for a community, while others strongly recommend it. During New Student Orientation, an academic advisor will help students select the learning communities which best meet their academic interests and needs.

In the fall 2003 edition of *U.S. News and World Report's America's Best Colleges*, Temple's Learning Communities Program was ranked fifth in the country as an exemplary academic program that leads to student success.

Transfer Student Newsletter

The newsletter, [TRANSITIONS](#), is sent to new transfer students through Temple e-mail at the start of each semester. The newsletter provides an overview of policies, procedures, programs and academic opportunities that are available to all Temple students.

Online Learning

Dr. Dominique Monolescu Kliger, Director
665 Ritter Annex
215-204-3943
www.temple.edu/distanceandsummer

The Distance Learning Program is designed to give students a remote, high-quality education, providing them more flexibility in when and how they attend classes. Courses are offered at both the undergraduate and graduate levels and also for continuing education students.

Matriculated students can register online via the OWLnet web site (<http://owlnet.temple.edu>). Non-matriculated students must register through the Office of Continuing Education at 1810 Liacouras Walk, First Floor, Room 101 (215-204-2500). Non-matriculated students can obtain their registration forms online (www.temple.edu/conted) and submit them by fax to 215-204-2516. For more information, check the Distance Learning Program web site.

Each week, a student will access Blackboard to view assignments, reading materials, and chat sessions for the week. Therefore, becoming familiar with the university's online interactive tools and with the library's online databases before enrolling in an online course is very helpful.

The Distance Learning Program provides access to over 100 courses via the internet or via videoconferencing formats. In addition to the Fox School of Business' online MBA program, the Physical Therapy Doctor's program and the Organizational Studies undergraduate program are now also available online.

For successful completion of an online course, students are recommended to have daily access to a computer with a fast internet connection (DSL or cable type of connections are recommended). Visit the Distance Learning Program's web site for more information.

Pre-Professional and Pre-Graduate Programs

Pre-Law Program

Temple offers undergraduates a wide range of courses, programs of study, and majors that will contribute to their preparation for law school and for a career in the legal or a related profession. Beginning with special sections of the *First-Year Seminar* designed specifically for the pre-law student, Temple undergraduates will find numerous opportunities to sharpen their critical thinking, reading and writing skills, both in and out of the classroom. Interested students can participate in the Mock Trial Team, get involved in the pre-law organizations (Phi Alpha Delta

and the Pre-Law Society), or undertake an internship in the Philadelphia area. Speakers on legal issues, on careers in law, and on preparing for the LSAT provide additional opportunities for the Temple student to learn more about the study of law and prepare for the intellectual challenges ahead.

Entering first-year students can apply for the Temple Law Scholars Program, an early assurance program offered by Temple University's Beasley School of Law. See the [Special Admissions Programs](#) section of the *Bulletin* for details.

Pre-Professional Health Studies

Neida Perez, Ed.M., Director
Pre-Professional Health Studies Advising Center
1810 Liacouras Walk, Suite 100
215-204-2513
healthadvising@temple.edu
www.temple.edu/healthadvising

The Pre-Professional Health Studies Advising Center at Temple University provides advising, counseling, and application support for students interested in preparing for a career in a health care profession. The center assists students in their academic and experiential preparation for programs in dentistry, medicine, optometry, pharmacy, podiatry, and veterinary medicine as well as with preparation for graduate study in Physical Therapy, Occupational Therapy and Physician Assistant Programs. Beginning with special sections of the First-Year Seminar designed specifically for students interested in preparing for a career as a health care professional, Temple undergraduate students will find numerous opportunities both in and out of the classroom to develop the knowledge, skills, and experiences to prepare them for their future endeavors. Temple also offers research opportunities in a wide range of academic disciplines of interest to pre-professional health studies students, and funding is available to support undergraduate research and travel to conferences to present.

The Health Scholars Program

Offering specific tracks for Medical Scholars, Dental Scholars, Pharmacy Scholars, Physical Therapy Scholars, and Podiatry Scholars, the Health Scholars Program provides undergraduates pursuing careers in the health professions with academic and experiential learning opportunities that will prepare them to take leadership.

Scholars are eligible for the accelerated programs that allow them to complete their undergraduate degree with the coursework required in the first year of their professional school program.

Entering first-year students can apply for the Health Scholars Program at the health advising web site, www.temple.edu/healthadvising. See the [Special Admissions Programs](#) section of the *Bulletin* for details.

McNair Program

Nathan Knispel
215-204-8023

The Russell Conwell Center's Ronald E. McNair Post-baccalaureate Achievement Program provides extensive pre-doctoral preparation for eligible undergraduate students. Students complete a faculty-mentored research project, assist in teaching an Intellectual Heritage course, receive exhaustive graduate school preparation, and present their research at multiple conferences. Students receive a stipend during their participation. For more information, contact Nathan Knispel at 215-204-8023, visit the McNair office at 617 Ritter Annex, or see the [Academic Support](#) section of the *Bulletin*.

Military Science (ROTC) Credits Applicable for Graduation

The applicability of ROTC, NROTC and AFROTC credits for graduation credit is under active review. If approved by the university and by the schools and colleges, undergraduate students whose degree programs allow for free electives (those beyond required course credits needed to satisfy university General Education or Core, school or college, and major requirements) may be able to apply up to 12 credits of upper-division military science courses toward the total number of credits required for graduation. Those allowable military science credits applicable toward graduation requirements would include four upper-division courses at the 3000- and 4000-level in Aerospace Studies (Air Force ROTC), or Military Science (Army ROTC), or Naval Science (Navy ROTC).

It is proposed that courses for which credits will be applicable to graduation will include:

Department	Course #	Course Name	Credits	Semester
Military Science	3001	Applied Leadership & Management I	2-3	
Military Science	3002	Applied Leadership & Management II	2-3	
Military Science	4001	Advanced Leadership & Management I	2-3	
Military Science	4002	Advanced Leadership & Management II	2-3	
Aerospace Studies	3011	Air Force Leadership Studies I	3	
Aerospace Studies	3021	Air Force Leadership Studies I	3	
Aerospace Studies	4031	National Security Affairs I	3	
Aerospace Studies	4041	National Security Affairs II	3	
Naval Science	3001	Naval Ships Systems I: Engineering	3	Fall only
Naval Science	3002	Naval Ships Systems II: Weapons	3	Spring only
Naval Science	3003	Evolution of Warfare	3	Fall only
Naval Science	4001	Navigation II	3	Fall only
Naval Science	4002	Leadership & Ethics	3	Spring only
Naval Science	4003	Amphibious Warfare	3	

Please call the Office of the Senior Vice Provost for Undergraduate Studies (215.204.2044) to inquire about the status of the proposal to allow ROTC, NROTC and AFROTC credits to be applied toward graduation requirements.

Military Science - Army Reserve Officers' Training Corps (Army ROTC)

Paul W. Riley, Lieutenant Colonel
Ritter Hall, Lower Level
215-204-7480/4453
fax: 215-204-7481
www.temple.edu/rotc

Through a curriculum offered by the Temple Department of Military Science, qualified full-time students can earn a commission as an Active Duty, Reserve, or National Guard Officer, while concurrently satisfying academic requirements for a baccalaureate or graduate degree. Interested students not convinced that a career in the military is right for them can also learn more about how The Army of the United States selects and trains its future leaders and conducts operations on a day-to-day basis.

Military Science courses are open to all Temple students. There is no requirement for students taking Military Science courses to enroll in the commissioning program. Students taking Military Science courses are under no military service obligation of any kind if not enrolled in the commissioning program.

Students enrolled in the commissioning program incur either an active duty or reserve forces duty commitment commencing upon successful completion of the ROTC Advanced Course program and graduation from college. Temple's Department of Military Science offers both two-year and four-year curricula leading to a commission in the United States Army.

Army Reserve Officers' Training Corps (AROTC) Four-Year Commissioning Program

The Four-Year Program consists of two phases: the Basic Course and the Advanced Course.

In the Basic Course, the student takes one Military Science course each semester during the freshman and sophomore years. This instruction orients the student to activities frequently encountered during military service. Though students may voluntarily participate in weekend exercises and ROTC-sponsored events, they are under no obligation to do so. Additionally, students enrolled in the Basic Course are under no obligation for present or future military duty.

During the Advanced Course (normally the junior and senior years), the student receives instruction designed to enhance leadership abilities; reinforce managerial, supervisory, and accountability skills; and further develop the individual's foundation of military knowledge. The highlight of this instruction is the student's attendance at the five-week ROTC National Advance Leadership Course, usually during the summer between the junior and senior years. The camp is a series of rigorous leadership challenges in which the Temple student competes against students from 272 other colleges and universities. Advanced Course students (enrolled in the commissioning program) receive a tax-free stipend (juniors - \$450.00 per month and seniors -

\$500 per month) each year of the Advanced Course. When students complete the Advanced Course, they are obligated to accept a commission as a Second Lieutenant and upon graduation from college, incur either an active duty or reserve forces duty service commitment in the United States Army.

Two-Year Commissioning Program

The Two-Year Program consists of the Advanced Course and is open to any qualified full-time graduate or undergraduate student who has at least two years of academic study remaining at Temple University and has completed the Basic Course or its equivalent. Basic Course equivalency can be granted for prior active or reserve military service. Additionally, Temple students can receive this equivalency by attending a five-week ROTC Leadership Training Camp at Fort Knox, Kentucky, during the summer. Following successful completion of this challenging program, the student is eligible to enter the ROTC Advanced Course. Students attending the Leadership Training Camp incur a military obligation, and they are required to enroll in the ROTC Advanced Course. Students of exceptional academic accomplishment may qualify for Basic Course Placement Credit without being required to attend Leader Training Camp. If you are a sophomore or junior with between 54-65 credit hours complete, please contact us for additional information at 215-204-7480/4453/2482.

Scholarships

The Military Science Department administers the Army Scholarship Program, which includes numerous options. The scholarships are awarded based on local and national competitions and are for four, three, and two years. The scholarships pay tuition or room and board, a \$1200 annual allowance for books and lab fees, and a monthly stipend that varies between \$350 to \$500 a month. The scholarships are awarded based on academic merit, and a student need not be enrolled in Army ROTC to apply. Inquiries should be directed to Mrs. Jackie Hankins-Kent, Administrative Officer, Department of Military Science/ROTC, Ritter Hall - Lower Level, Room 4A, 215-204-7480/9622.

Course Offerings

Military Science (Army ROTC)			
Basic Courses		Credits	Semester
1001	Introduction to Military Science I	1 s.h.	Fall
1001L	Leadership Lab		Fall
1002	Introduction to Military Science II	1 s.h.	Spring
1002L	Leadership Lab		Spring
2001	Small Unit Operations & Leadership I	1 s.h.	Fall
2001L	Leadership Lab		Fall
2002	Small Unit Operations & Leadership II	1 s.h.	Spring
2002L	Leadership Lab		Spring
Advanced Courses			
3001	Applied Leadership & Management I	2 s.h.	Fall
3001L	Leadership Lab		Fall
3002	Applied Leadership & Management II	2 s.h.	Spring

3002L	Leadership Lab		Spring
4001	Advanced Leadership & Management I	2 s.h.	Fall
4001L	Leadership Lab		Fall
4002	Advanced Leadership & Management II	2 s.h.	Spring
4002L	Leadership Lab		Spring

Military Science Course Descriptions

For the full description of each course, please visit the following web site:

www.temple.edu/bulletin/ugradbulletin/ucd/ucd_military.html.

Enrollment is open to all students, but full participation in some of the military training is limited to students enrolled in the commissioning program. Contact the Military Science Department for details.

Military Science Faculty

Paul W. Riley, Lieutenant Colonel, Professor of Military Science and Department Chair, B.B.A. - University of Rhode Island, Kingston, RI; M.A. - Providence College, Providence, RI (e-mail: pw Riley@temple.edu)

Marco Young, Lieutenant Colonel, Military Intelligence, Assistant Professor of Military Science/Battalion Executive Officer, B.S. - Drexel University (e-mail: marco.young@temple.edu)

William J. Griffin, Major, Assistant Professor of Military Science, B.S. - St. Leo University, Saint Leo, FL (e-mail: wgriffin@temple.edu)

R. Brock Schultheis, Major, Assistant Professor of Military Science, B.S. - Mansfield University, Mansfield, PA (e-mail: brocks@temple.edu)

Frank W. Wilson, Master Sergeant, Commandant of Cadets and Senior Military Instructor

Michael W. Woody, Sergeant First Class, Operations NCO

Aerospace Studies - Air Force Reserve Officers' Training Corps (AFROTC)

Department of Aerospace Studies
Saint Joseph's University
5600 City Avenue
Philadelphia, PA 19131
610-660-3190
rotc@sju.edu
www.det750.com

AFROTC objectives are to:

- recruit, select, and retain officer candidates until they are commissioned as second lieutenants in the U.S. Air Force;
- provide college-level education that qualifies cadets for commissioning in the U.S. Air Force; and
- develop each cadet's sense of personal integrity, honor, and individual responsibility; enhance knowledge of how the U.S. Air Force serves the national interest; increase understanding of officer professionalism in the U.S. Air Force; and develop potential as a leader and manager.

Temple University offers a program of study leading to a commission as a Second Lieutenant in the United States Air Force by agreement with the Department of Aerospace Studies at Saint Joseph's University. All Aerospace Studies courses are held on the Saint Joseph's University campus. (Students wishing to have their AFROTC credits transferred to Temple should present their Saint Joseph's transcripts to the Office of the Senior Vice Provost for Undergraduate Studies, 500 Conwell Hall.) The AFROTC program enables college students to earn a commission as an Air Force officer while concurrently satisfying requirements for his or her baccalaureate degree.

The Department of Aerospace Studies offers three- and four-year curricula leading to a commission as a Second Lieutenant in the Air Force. In the four-year curriculum, a student takes the General Military Course (GMC) during the freshman and sophomore years, attends a four-week summer training program, and then takes the Professional Officer Course (POC) in the junior and senior years. A student is under no contractual obligation to the Air Force until entering the POC or accepting an Air Force scholarship. In the three-year curriculum, a student may be required to attend an extended (five-week) summer training program and then enters the POC in the junior year. The subject matter of the freshman and sophomore years is developed from an historical perspective and focuses on the scope, structure, and history of military power, with the emphasis on the development of air power and its relationship to current events. During the junior and senior years the curriculum concentrates on the concepts and practices of leadership and management, and the role of national security forces in contemporary American society.

In addition to the academic portion of the curricula, each student participates in a 2-hour Leadership Laboratory each week. During this period the day-to-day skills and working environment of the Air Force are discussed and explained. The Leadership Laboratory utilizes a student organization designed for the practice of leadership and management techniques.

Air Force ROTC offers scholarships up to 3.5 years on a competitive basis to qualified applicants. All scholarships are applied to tuition and lab fees, and include a textbook allowance, plus a tax-free monthly stipend which varies from \$300 to \$500, depending on graduation date.

Course Offerings

Aerospace Studies (Air Force ROTC)			
Courses		Credits	Semester
1011	The Foundation of the United States Air Force I	1 s.h.	Fall
1012	Air Force Leadership Laboratory I	0 s.h.	Fall
1021	The Foundation of the United States Air Force II	1 s.h.	Spring

1022	Air Force Leadership Laboratory II	0 s.h.	Spring
2031	The Evolution of U.S. Air & Space Power I	1 s.h.	Fall
2041	The Evolution of U.S. Air & Space Power II	1 s.h.	Spring
3011	Air Force Leadership Studies I	3 s.h.	Fall
3021	Air Force Leadership Studies II	3 s.h.	Spring
4031	National Security Affairs I	3 s.h.	Fall
4041	National Security Affairs II	3 s.h.	Spring

For a full description of each course in Aerospace Studies, please visit the following web site:
www.temple.edu/bulletin/ugradbulletin/ucd/ucd_aerospacestudies.html.

Naval Science - Naval Reserve Officers' Training Corps (NROTC)

Director, Naval Science Department
University of Pennsylvania
NROTC Unit
417 Hollenback Building
3000 South Street
Philadelphia, PA 19104-6399
215-898-7436
Fax: 215-573-2067
nrotc@pobox.upenn.edu
www.vpul.upenn.edu/nrotc

Temple students are eligible to participate in the Naval Reserve Officers' Training Corps (NROTC) through a cross-enrollment agreement with the University of Pennsylvania. All naval science courses are held on the University of Pennsylvania campus. The NROTC Program enables a college student to earn a commission in the Navy or the Marine Corps while concurrently satisfying requirements for his or her baccalaureate degree. Scholarship and non-scholarship programs are available.

Navy-Option scholarship and College Program (non-scholarship) students must enroll in Naval Science (NAV SCI) 1001 and 1002 during their freshman year, NAV SCI 2001 and 2002 during their sophomore year, NAV SCI 3001 and 3002 in their junior year, and NAV SCI 4001 and 4002 in their senior year. Those seeking commissions in the Marine Corps will enroll in NAV SCI 1001 and 1002 during their freshman year, NAV SCI 2001 during their sophomore year; NAV SCI 3003 and 4003 can be taken in either their junior or senior year, NAV SCI 4002 during their senior year only. All students are required to enroll in NAV SCI 1003 during every semester they attend. Tailored programs are available for students wishing to join NROTC after the start of their freshman year and before the beginning of their junior year.

Navy scholarship program students must complete one year of calculus (recommended for College Program students, not required for Nurse Corps candidates), one year of calculus-based physics (recommended for College Program students, not required for Nurse Corps candidates), one course in cultural awareness (waivers for Nurse Corps candidates may be available on a case-by-case basis), one course in American military history or national security policy (not

required for Nurse Corps candidates), and one year of English. College Program students must complete one year of college-level algebra, one year of physical science courses, one computer science course, and one year of English. Marine-Option students are only required to complete one course in American military history or national security policy. Students must check with their naval science instructors to determine specific courses that fulfill the above requirements.

In addition to the above, all students are required to attend Naval Science Drill (NAV SCI 1003), a 2-hour professional laboratory period scheduled on Wednesday afternoons (no academic credit) that emphasizes military drill, physical fitness, professional performance, and leadership topics.

Course Offerings

Naval Science (Navy ROTC)		
Courses		Credits
1001	Naval Orientation	3 s.h.
1002	Seapower & Maritime Affairs	3 s.h.
1003	Naval Science Drill	0 s.h.
2001	Leadership & Management	3 s.h.
2002	Navigation I	3 s.h.
3001	Naval Ships Systems I: Engineering	3 s.h.
3002	Naval Ships Systems II: Weapons	3 s.h.
3003	Evolution of Warfare	3 s.h.
4001	Navigation II	3 s.h.
4002	Leadership & Ethics	3 s.h.
4003	Amphibious Warfare	3 s.h.

For a full description of each course in Naval Science, please visit the following web site:
www.temple.edu/bulletin/ugradbulletin/ucd/ucd_naval.html.

International Programs and Study Abroad

Denise A. Connerty, Director of International Programs
 200 Tuttleman Learning Center
 215-204-0720
www.temple.edu/studyabroad

International education takes many forms at Temple: learning other languages, studying for a semester or year in one of Temple's programs abroad, building an international concentration into a major, or enrolling in special programs such as the Latin American Studies Semester. Students should consult school/college and course descriptions for further information on international and language studies at Temple's Philadelphia campuses.

Study abroad is one of the most rewarding and beneficial experiences available to Temple students. The opportunity to gain firsthand understanding of other cultures and languages

through study abroad is personally enriching, and adding an international dimension to one's education enables students to understand better and put into context global issues and international events. Study abroad can last for a semester, an academic year, or a summer. Temple offers a number of study abroad programs for Temple students and those from other universities. Students receiving financial aid can usually apply most sources of aid to study abroad fees. The International Programs Office can provide students with information and applications for Temple programs abroad.

Study abroad staff also assists students in planning and carrying out study abroad for non-Temple programs. A resource library of information concerning fellowships and grants for overseas study and research, as well as materials describing various study programs and universities abroad, is available to members of the Temple community. Information on work and travel abroad is also available.

Several grants, including Fulbright scholarships for graduate study abroad, are administered by International Programs. In addition, advising is available concerning a variety of other options for financing study abroad.

Students interested in receiving more information about study abroad should contact International Programs, 215-204-0720.

Study Abroad - Academic Year / Temple University, Japan Campus (TUJ)

Bruce Stronach, Dean

TUJ is the Tokyo campus of Temple University. Founded in 1982, TUJ is the oldest and largest foreign university in Japan and has developed into a nationally-recognized institution offering an extensive range of educational programs. With an enrollment of 3,000 students and a faculty of 180, TUJ offers B.A. degrees with majors in American studies, art, Asian studies, business administration, communications, economics, general studies, international affairs, political science, psychological studies, and tourism and hospitality management. TUJ also offers A.A. degrees, an M.B.A., a Master of Science in Education and Doctor of Education in TESOL (Teaching English to Speakers of Other Languages), and a Masters of Law.

American undergraduate students may study at Temple Japan for a semester, year and/or summer, choosing from a broad range of courses in Liberal Arts, Asian Studies, and Japanese language. Internships are also available. Regular Temple faculty on assignment from Philadelphia teach in the program along with visiting professors from other universities and special faculty hired in Japan. English is the language of instruction.

To enrich the students' exposure to Tokyo and enhance their understanding of Japanese culture, TUJ organizes several optional field trips and excursions each semester. These include half-day excursions to sites in and around Tokyo; day and overnight excursions are also arranged.

TUJ is ideally located in central Tokyo in Minato-ku. Just 20 minutes walking distance from Roppongi, one of Tokyo's major entertainment districts, Minato-ku is home to several embassies,

shops, and restaurants. Students have the option of securing their own housing or of taking advantage of housing offered by TUJ. Information about application procedures, costs, financial aid and scholarships is available from International Programs.

Study Abroad - Academic Year / Temple University London

Erin Palmer
School of Communications and Theater
13E Annenberg Hall
215-204-6535

The School of Communications and Theater offers both semester and summer programs in London. These programs are open to all Temple students, no matter what their major, as well as those from other universities. Recent course offerings have included *Literature of London in the 19th Century*, *Politics and the British Press*, *British Mass Media*, *Contemporary British Theater*, *British Documentary Film*, and *Modern British History*. Internships are also available. Some background in media and/or theater is assumed, as courses are at an advanced undergraduate level. Guest speakers and field trips enrich the curriculum.

Accommodation in shared, self-contained flats is usually arranged by the program.

Study Abroad - Academic Year / Temple University Rome

Kim D. Strommen, Dean

Temple has its own campus in Rome which offers courses in architecture, landscape architecture, international business, liberal arts, and visual arts. Each semester, students from Temple and other universities study in Rome in courses designed to take advantage of the city's rich resources.

The Temple University Rome dean oversees the academic program and arranges for student support services. A distinguished teaching faculty, both European and American, provides a first-rate educational experience. All courses are part of Temple's regular undergraduate and graduate curricula and carry full academic credit. Students who have not studied Italian previously must enroll in an elementary language course so they can take best advantage of their stay in Italy.

An extensive field study program complements the traditional classroom and studio curricula. Classes make regular trips to museums, architectural sites, and other points of interest in Rome. Many courses include field trips to other parts of Italy. The Villa Caproni, located in the heart of Rome on the Tiber River, houses all academic programs. The facilities at the Villa Caproni include a library with 15,000 volumes, classrooms, art and architecture studios, an art gallery, and complete technical facilities. Students live in a residence where they have cooking and other facilities. The residence is a convenient 30-minute walk to the Villa Caproni and 5 minutes from one of the major outdoor markets in Rome.

Information on application, costs, and financial aid can be obtained from International Programs. Temple charges regular tuition rates for the Rome program; additional costs include airfare, living expenses, medical insurance, and program expenses.

Exchange Programs

Temple University students may participate in any of Temple's university-wide exchange programs. Currently, exchange programs are in place with the University of Puerto Rico at Rio Piedras; the University of Hamburg and Tübingen University in Germany; the University of East Anglia, Norwich, England; and the University of Birmingham, England. Students selected for these programs must qualify academically and be fluent in Spanish or German, respectively, for study in Puerto Rico and Germany.

Competitions for these programs are announced in the late fall or early spring. For further information, contact Temple's International Programs. Each exchange program can accommodate only a small number of students annually. Specialized exchange programs are also available through some schools and colleges. Check with your school or college advising office for a list of these programs.

Summer Programs Abroad

Each year, a number of faculty direct summer programs abroad for academic credit. Some programs change on an annual basis; others have been part of Temple's summer curriculum for many years. The programs generally last four to six weeks and admit qualified students from Temple and other universities. Temple charges its regular tuition rates for summer programs overseas. In recent years, summer programs have been conducted in Brazil, Costa Rica, France, Germany, Ghana, India, Italy, Jamaica, Japan, Mexico, Senegal, Spain and the United Kingdom.

University Honors Program

Ruth Ost, Director
204 Tuttleman Learning Center
215-204-0710
honors@temple.edu
www.temple.edu/honors/

The University Honors Program is a comprehensive, four-year program for academically-talented students. At the core of the program are small classes taught by Temple's favorite professors, many of who have won the prestigious Temple University Great Teacher Award. Such classes reflect the academic passions of Honors professors and challenge students to think in new ways and respond with creativity.

The Honors staff enjoys helping students with their major choices, graduate and professional school applications, scholarship competitions, and networking. Honors students may choose to live in the Honors Living-Learning Community in 1300 Residence Hall during their freshman

and sophomore years. The Honors Activities Board (HAB) organizes academic, social and cultural events.

The Honors Program is open to students enrolling in any of the twelve schools and colleges of Temple University. Admission is decided on the basis of academic qualifications (SAT scores, high school GPA, class rank, and merit-based awards), letters of recommendation, and samples of writing, research, and creative work.

Typical first-year students admitted to the program will achieve a combined SAT score around 1300 and a high school GPA of 3.80. For first-year students, no special application is required since all admitted students are screened for Honors. Current Temple students or transfer students may apply for later admission on the Honors web site.

Honors students must complete a minimum of 10 courses (four of which must be numbered 2000 or above), and maintain a cumulative GPA of 3.25. (Honors transfer students with more than 60 credits must complete six courses, four of which are numbered 2000 or above.)

Students who choose to complete an Honors Project will earn the Honors Scholar designation. The project will take the place of one to three classes, depending on the major. Proposals for the Honors Project (which can be a research thesis, creative work, or other project in the major or a related field) are submitted to the Honors Program in the junior year and evaluated by the honors director and faculty committee. Eligible projects must be completed with a faculty mentor by the end of the senior year to earn the Scholars designation.

For more information on the Honors Program, visit the web site: www.temple.edu/honors.

For requirements of the program, see the [Academic Policies and Regulations](#) section of the *Bulletin*.

Honors Interdisciplinary Major

Students in the University Honors Program may apply for a College of Liberal Arts Honors Interdisciplinary Major. They must complete the degree requirements of the B.A. in the College of Liberal Arts and the requirements for the Interdisciplinary Major as well as the requirements for the University Honors Program. Approval for this program must be obtained from the College of Liberal Arts Academic Advising Center and the University Honors Committee prior to the initiation of the last 60 semester hours of the degree. In addition, the proposed Major Program should include submission of an acceptable Honors Thesis to the University Honors Oversight Committee.

For more information on the College of Liberal Arts Honors Interdisciplinary Major, go to the College of Liberal Arts [Graduation Requirements](#) section of the *Bulletin*.

University Research

Diamond Peer Teachers Program

The Diamond Peer Teachers Program provides upper-level undergraduates at Temple University the opportunity to experience the challenges and rewards of college-level teaching, to work with faculty mentors to develop their own pedagogical skills, and to provide supplemental instruction in lower-level courses. Peer Teachers earn a stipend and one (1) internship credit. For more information, go to

www.temple.edu/vpus/programs_initiatives/upperdivision/diamondpeerteachers.htm.

Diamond Research Scholars Program

The Diamond Research Scholars Program offers a seven-month long funded research experience under the direction of a faculty mentor. Participants receive a summer stipend of tuition remission for three (3) hours of research or independent study, and Honors credit for their research or creative arts project. Scholars are expected to participate in the annual undergraduate research conference, TURF-CreWS. For more information on the Diamond Research Scholars Program, go to

www.temple.edu/vpus/programs_initiatives/upperdivision/diamondresearchscholars.htm.

Temple Undergraduate Research Forum - Creative Works Symposium

The Temple Undergraduate Research Forum - Creative Works Symposium (TURF-CreWS) provides ambitious, intellectually-motivated undergraduate students the opportunity to present and defend their original research or creative work among colleagues, faculty, family, and friends. TURF-CreWS is open to all departments and all colleges. Through its emphasis on original research or creative work, from theory-driven critical analysis of significant social issues to the development of unique individual artistic talents, TURF-CreWS seeks to inspire undergraduate students to engage, analyze, critique, and advise the world around them, beginning with their own social, ideological or cultural communities, so that they may contribute ideas that make for a better society and world. For more information on TURF-CreWS, go to

www.temple.edu/vpus/programs_initiatives/turf/index.htm.

Undergraduate Research Incentive Fund

The Undergraduate Research Incentive Fund (URIF) is available to any full-time undergraduate student enrolled at Temple who seeks financial support for research related activities such as undergraduate research projects or participation in professional conferences. Awards from the URIF are dependent on the availability of matching funds from the students' own department, school and/or college. For more information, go to

www.temple.edu/vpus/programs_initiatives/URIF.htm.

Honor Societies

Phi Beta Kappa: Phi Beta Kappa is an honor society open to juniors and seniors in the College of Liberal Arts, the College of Science and Technology, and the Department of Art History. To qualify for Phi Beta Kappa, a student must maintain a high grade point average in a broad, rigorous program of study in the liberal arts, including mathematics and foreign language. For a complete and detailed description of Phi Beta Kappa's requirements, visit www.temple.edu/pbk.

For more information, please contact Kimberly Miller, Senior Athletic Academic Advisor and Chapter Secretary, via e-mail at kimberly.miller@temple.edu.

Golden Key: Golden Key is a national academic honors organization dedicated to excellence. Golden Key is interdisciplinary and unites the talents of the brightest undergraduate students in America. Golden Key also provides service opportunities for all university students.

Membership is by invitation only, and no more than the top 15% percent of the juniors and seniors enrolled may be eligible. The Golden Key mailbox is in The Student Center where the Student Organization Offices are located.

Alpha Lambda Delta: Alpha Lambda Delta is a national society that honors academic excellence during a student's first year at college. For further information, visit their web site at www.nationalald.org/.

Student Leadership & Development Opportunities

Greek Life

Dean of Students Office
Howard Gittis Student Center, Room 304
215-204-7188
215-204-1663 (Fax)

The university recognizes social fraternities and sororities from four governing bodies: the National Interfraternity Council (NIC), the National Pan Hellenic Council (NPHC), the National Panhellenic Conference (NPC), and the Multicultural Greek Council (MGC). As members of the Temple University Greek Association (TUGA), recognized chapters participate actively in Greek governance, community service, philanthropy, and social activities throughout the academic year. New members are recruited during the fall and spring semesters. More information on recruitment and a complete list of registered Greek organizations can be found at www.temple.edu/greek.

Student Activities/Student Center Operations

Main Campus
Second Floor Mezzanine, Howard Gittis Student Center

215-204-7131
215-204-1846 (Fax)
www.temple.edu/studentaffairs/studentactivities/
www.temple.edu/studentaffairs/studentcenters/

Health Sciences Center
Second Floor, Student Faculty Center
215-707-4017
215-707-4481 (Fax)
www.temple.edu/studentaffairs/studentcenters/

Ambler Campus
Bright Hall, Room 110A
267-468-8429
www.temple.edu/ambler/student_life

The Main Campus Office of Student Activities develops and implements diverse university-wide programs. These programs are designed to challenge, educate, and entertain both commuter and residential students alike. The staff offers guidance and advisement to over 200 student organizations, including Temple Student Government, Main Campus Program Board and all Greek organizations. Involvement in these organizations can provide opportunities for students to develop leadership and management skills, promote interpersonal and social responsibility, and enhance intellectual growth and self-esteem. Visit our [web site](http://www.temple.edu/studentaffairs/studentactivities/) (www.temple.edu/studentaffairs/studentactivities/) to find out more about the exciting events happening on campus!

The Student Center Operations office is responsible for the operation and management of the Main Campus Student Center, which includes the Game Room, the Cinema, the Information Desk, the Students Organizations Village, and all of the social and lounge spaces in the Student Center. Additionally, just off the Atrium you will find the Book Store (Barnes & Noble), Philadelphia Federal Credit Union (PFCU), and the Walker Food Court. We also manage the Owl Cove and the Great Court in Mitten Hall, and a variety of outdoor spaces including the Bell Tower and Liacouras Walk for Student Organization use. Additionally, the Health Sciences Center north on Broad Street houses the Student Faculty Center, which includes activities and operations primarily for HSC students - but all are welcome to attend programs or events as well. All the Student Center facilities are designed and managed with a strong student focus and to provide avenues for leadership through employment and involvement opportunities.

The Main Campus Student Center offers a three-story atrium that leads patrons to the following: Dean of Students Office; Student Activities; Office of Orientation; Office of Judicial Affairs; Temple Student Government; *Temple News* (student newspaper); Graphics Media Center, which assists student clubs and organizations in printing, duplication and marketing of their events and activities; the *Templar* (student yearbook); television lounges; study lounges; parking services; and post office. We also have several meeting rooms for organization or departmental use.

The Health Sciences Campus Student Faculty Center offers a bookstore, dining hall/coffee shop, study lounges, conference rooms, game room, television lounge, dance studio, gymnasium, and fitness center. Your Temple identification card allows you access to the facility.

Temple University Ambler campus offers a variety of student activities. Please visit www.temple.edu/ambler/student_life, or contact the Office of Student Life (267-468-8429) in Bright Hall, Room 101, for further information.

The Office of Student Life at Temple University Tyler campus offers extracurricular activities, events and programs geared towards the arts community. For more information on Tyler campus activities, please visit the Tyler Student Life web site at www.temple.edu/tylerstudentlife/, or contact Tyler's Office of Student Life (215-782-2883) in Tyler Hall, Room 305.

Student Government

Main Campus

Howard Gittis Student Center, Room 244
215-204-8727
www.temple.edu/tsg

Temple Student Government (TSG), consisting of executive, legislative and judicial branches, is the official voice of the student body. TSG leaders show an interest in the vision, desires, concerns and education of their fellow students. They also work to ensure that student voices and concerns are represented within the university. Members of TSG work as a team and take a proactive approach in addressing student issues.

Ambler Campus

Bright Hall, Room 110A
267-468-8429
www.temple.edu/ambler/student_life

Temple University Ambler Student Government Association (ASGA) is an active student government association that oversees student concerns, policies, interests and activities. The officers of ASGA serve as a liaison between students at Ambler and the administration. Elections are held in the spring for various offices, giving students the opportunity to participate in election campaigns and promotions.

Tyler Campus

Associate Dean's Office, Tyler Hall, Room 200
215-782-2718

The Tyler Student Government addresses the needs of the Tyler student body. The Tyler Student Government consists of several student committees that work in conjunction with the Temple University Student Government. The officers of the student government serve as a liaison between the students at Tyler and the Temple University administration. Elections for officers

are held in the spring. For more information about the Tyler Student Government, visit www.temple.edu/tyler/studgov.html and www.temple.edu/tylerstudentlife.

Office of Student Media

Students on the Main Campus produce their own editorially-independent newspaper, the *Temple News*, during the academic year and distribute it to all campuses. The *Temple News* is published weekly in print (each Tuesday during the fall and spring semesters) and provides daily updated content online at www.temple-news.com and on its blog, *Broad&Cecil*, at <http://broadandcecil.temple-news.com>. The *Temple News* was one of 10 non-daily newspapers to win the prestigious Pacemaker Award from the Associated Collegiate Press in 2006 and was named a finalist for the award in 2007 for its print and online product.

Students also produce and publish *Templar*, Temple's undergraduate annual yearbook. *Templar* is a two-time winner of the American Scholastic Press Association's first place award as one of the top college yearbooks in the country.

The Office of Student Media now advises WHIP, Temple's student-run internet radio station that broadcasts out of its studio in room 108 of the TECH Center. WHIP is an acronym that stands for "We Have Infinite Potential."

Students at Temple University Ambler campus produce *The Parable*, a literary magazine each spring, as well as *The Temple Column* newspaper. Students at Temple University Ambler campus also manage and operate their own radio station, WRFT 1610 AM, which broadcasts a variety of music formats. Visit www.temple.edu/ambler/student_life for more information.

Clubs & Organizations

Over 200 campus student organizations are registered at Temple University, offering students a wide range of opportunities to explore their co-curricular interests. For more information, contact the Office of Student Activities at 215-204-7131, or visit their web site at www.temple.edu/studentaffairs/studentactivities/.

For information on student activities, clubs and organizations at Temple University Ambler campus, visit www.temple.edu/ambler/student_life.

For information on student activities, clubs and organizations at the Tyler campus, go to www.temple.edu/tylerstudentlife/; then click on "Tyler Student Resource Guide."

Temple University Student Leadership Challenge

The mission of the Temple University Student Leadership Challenge is to serve as a vehicle of engagement for all students to develop leadership skills. The program creates opportunities to encourage the development of integrity, character and self-awareness, while providing avenues for students to impact their own lives as well as creating an environment to impact communities

on the local, state, national and global level. By utilizing the combined resources of the Temple University community, the Student Leadership Challenge addresses the diverse, multicultural and dynamic needs of Temple University and guides our students to foster collaborative relationships, set positive examples, and lead the way in cultivating new generations of leaders. For more information, contact the Dean of Students Office at 215-204-7188, or visit the web site at www.temple.edu/studentleadershipchallenge.

Academic Policies

These academic policies and regulations generally apply to all undergraduate students and provide a framework within which schools and colleges may specify further conditions or variations appropriate to students in their courses or programs. Statements of academic policies and regulations apply to both matriculated and non-matriculated students unless explicitly noted otherwise.

The policies and regulations as stated in the *Bulletin* are announcements only and in no way serve as a contract between the student and Temple University.

The texts of some of these policies are available in the Temple online Policies and Procedures Manual at <http://policies.temple.edu/>.

Students should consult their advisors and dean's offices for any changes in policy that affect them.

Academic Course Load

The average semester load for full-time students is 15 to 17 semester (or credit) hours. Students must carry at least 12 semester hours to be classified as full time.

Academic overloads during fall and spring semesters (18 or more semester hours for students in the College of Liberal Arts and the College of Science and Technology; 19 or more semester hours in all other schools and colleges) need special approval of the dean of the school or college in which a student is matriculated. Tuition for full-time students covers 12 to 17 hours. Credits over 17 carry additional tuition charges. See [Tuition and Fees](#) in the Financial Information section of the *Bulletin*.

Summer sessions: Undergraduates must get overload approval for 9 credits or more.

Academic Credit

A semester hour is a unit of academic credit. For courses that meet on a regularly-scheduled semester basis, a semester hour corresponds to one hour a week of lecture or recitation (or two hours of laboratory or studio activity) throughout one semester. For courses that do not meet on a regularly-scheduled semester basis, the guideline is that one semester hour corresponds to 700 minutes of classroom contact.

Academic credit may be earned through traditional coursework at Temple University, courses approved for transfer from other institutions, Advanced Placement Tests, the College Level Examination Program (CLEP), cooperative work experience, and prior work or life experience. See the [Admissions](#) section of the *Bulletin* and the policy on [Credit for Prior Learning](#) (formerly Non-Traditional Credit).

Academic Residency Requirements

Temple University requires that all undergraduate degree candidates complete 30 hours of the last 45 hours of the degree or program as matriculated students at Temple University. If a matriculated student previously took Temple courses on a non-matriculated basis, those courses are counted towards this requirement. See the policy on [Transfer Credits](#).

To graduate with Latin Honors, a student must complete at least 60 semester hours of the program matriculated at Temple. See [Honors](#).

Students should consult their school or college for additional academic residency requirements.

Academic Rights and Responsibilities

See [Academic Rights and Responsibilities](#) in the Student Rights section of the *Bulletin*.

Academic Standing

Click here for the up-to-date version of the [Academic Warning, Probation, Dismissal and Reinstatement](#) policy (policy number 02.10.11). The policy is printed below.

Academic Warning, Probation, Dismissal, and Reinstatement

Effective Date: June 12, 2003; revised September 26, 2007

Policy

Academic Good Standing

A matriculated undergraduate student in the University is in Academic Good Standing if he/she has not been dismissed.

Unsatisfactory Academic Performance

Unsatisfactory Academic Performance is defined as having a semester or cumulative grade-point average below 2.0 (C) resulting in grade point deficiencies. Excessive accumulation of grade point deficiencies can result in dismissal. The Office of Academic Records notifies students whose academic performance is unsatisfactory.

Levels of Unsatisfactory Academic Performance: Academic Warning and Probation

Academic Warning

A student is placed on Academic Warning under the following conditions:

- if the semester grade point average (GPA) is below 2.0, though the cumulative GPA may be at 2.0 or above

or

- if prior to the accumulation of 30 credits, the cumulative grade point average is below 2.0

A student on Academic Warning cannot register for courses online and must meet with an advisor to register. Advisors will help in planning a schedule of courses selected to assist the student in achieving acceptable, cumulative GPAs.

The university issues academic warning based on academic performance in fall or spring semesters. Academic Warning is not assessed as a result of grades earned during summer sessions.

Academic Probation

A student is placed on Academic Probation when the cumulative grade point average is below 2.0 after having accumulated 30 or more credits.

A student on Academic Probation cannot register for courses online and must meet with an advisor to register. Advisors will help in planning a schedule of courses selected to assist the student in maintaining an acceptable cumulative GPA.

The university issues academic probation based on academic performance in fall or spring semesters. Academic Probation is not assessed as a result of grades earned during summer sessions.

Students not in Academic Good Standing: Dismissal and Conditional Status

Dismissal

The academic action of Dismissal is assessed when a probationary student's grade point deficiency reaches the University-defined maximum. These grade point deficiency requirements are standard across all schools and colleges.

- Only students on Academic Probation are subject to Dismissal.
- No probationary student will be dismissed who has earned at least a 2.0 semester GPA in the most recent semester.
- A dismissed student is not in Academic Good Standing.

The University dismisses probationary students based on academic performance in fall or spring semesters. Students are not dismissed based on grades earned during summer sessions.

A baccalaureate degree candidate on probation is automatically dismissed from degree candidacy if:

Table 1

Cumulative Credits are:	Grade Point Deficiency:
31 - 60	15 or more
61 - 90	10 or more
91 - 107	5 or more
108 and above	3 or more

Note:

- "Cumulative Credits" are determined for the purposes of this policy by counting credits in all courses graded "A" through "F" and ignoring credits in courses with incomplete grades ("I"), Withdrawals ("W", "WE" or "WS"), Registered ("R"), or Audit ("AU") and credits completed in courses graded Credit/No Credit ("CR/NC") or Pass ("P"). Credits for repeated courses are calculated according to the course repeat policy. "Cumulative Credits" may differ from credits counted toward the degree, since the latter excludes courses the student does not pass.
- Credits transferred to Temple University will be counted as "cumulative credits" in order to establish the level of progress towards a degree.
- Grade point deficiencies, if any, accrue only from courses taken at Temple University.

Notification

Students can check their academic status via OWLnet. Students placed on Academic Warning or Probation or who have been Dismissed, are notified by e-mail that their academic standing has been assessed and are directed to OWLnet for specific information.

Conditional Status for Dismissed Students

A student dismissed from baccalaureate degree candidacy for Unsatisfactory Academic Performance may register for Temple courses as a non-degree Conditional Status student, with the following conditions:

- A non-degree conditional status student is not in Academic Good Standing and is not eligible for financial aid or University housing.
- The advising office of the Temple school, college, or academic unit from which the student was dismissed registers the student during the enrollment period reserved for non-matriculating students.
- The courses taken must be suitable for demonstrating the student's ability to succeed at Temple University.
- The student may enroll for up to 13 credits for a fall or spring semester or up to 7 credits for a summer session, for a total of up to 40 credits to be completed within two calendar years from the dismissal date.
- Students will be Summarily Dismissed if they are unable to achieve a 2.0 GPA after having completed 40 semester hours or after a period of two calendar years from the dismissal date,

whichever occurs first. Summarily Dismissed students will not be eligible for Readmission for a period of five (5) years from the end of their last semester of enrollment.

- A student may be on Conditional Status only once during his or her undergraduate career.

Reinstatement

Students who complete coursework on Conditional Status may apply for reinstatement to degree candidacy to the school or college from which they were dismissed when they have achieved a 2.0 cumulative GPA.

Students will be accorded only one opportunity for reinstatement.

Readmission

A dismissed student, whether he or she has taken courses on Conditional Status or not, may apply for readmission after five years from the date of last enrollment at Temple University. Application for readmission to degree candidacy may be made to any Temple school or college. Readmitted students will be treated as transfer students in that they will receive credit for courses passed at Temple or elsewhere, when those course credits meet the requirements for courses applicable to graduation stated in the *Undergraduate Bulletin*:

"In admitting transfer or returning students, the University will, when possible, allow credit for courses taken ten or more years prior to the date of admission or readmission.

However, academic units may choose not to accept courses regardless of age for credit in the major. Courses of a technical nature or courses in a particularly dynamic field may not be accepted for credit.

Final determination of the acceptability of such courses is the responsibility of academic units and generally occurs after the student has matriculated or been readmitted."

Students will re-enter the university with no cumulative grade-point average. This readmission policy, with its forgiveness provision, will go into effect for fall 2009 for students dismissed from fall 2003 on.

Calculating Grade Point Deficiencies

Grade point deficiencies are the number of grade points below the required minimum for a "C" (2.0) GPA.

Example 1: Student with minimum satisfactory academic performance

If a student has completed 30 cumulative credits at an average of a "C" (2.0) grade level, the student will have 60 grade points:

30 cumulative credits X 2.0 = 60 grade points.

Example 2: Student on academic probation

If the student has complete 30 cumulative credits at an average of a "C-" (1.67), the student will have 50.1 grade points, which is 9.9 points below the required total.

This grade point deficiency is less than the university limit of 15 (see Table 1) and academic probation is noted on the student's record.

$$\begin{array}{rcl} \text{Required grade point total is } 30 \times 2.0 & = & 60.0 \text{ grade points} \\ \underline{30 \text{ cumulative credits} \times 1.67} & = & \underline{50.1 \text{ grade points}} \\ \text{Grade point deficiency is} & = & 9.9 \text{ grade points} \end{array}$$

Example 3: Dismissed student

If the student has 61 cumulative credits at an average grade of a "C-" (1.67), the student will have 101.9 grade points, which is 20.1 points below the required total.

This grade point deficiency is greater than the university limit of 10 (see Table 1) and the probationary student is dismissed.

$$\begin{array}{rcl} \text{Required grade point total is } 61 \times 2.0 & = & 122.0 \text{ grade points} \\ \underline{61 \text{ cumulative credits} \times 1.67} & = & \underline{101.9 \text{ grade points}} \\ \text{Grade point deficiency is} & = & 20.1 \text{ grade points} \end{array}$$

Eliminating Grade Point Deficiencies

Students can remove grade point deficiencies by earning C+ grades or better in subsequent courses. (See Appendix 1: "Removing Grade Point Deficiencies")

Associate Degree Candidates

Academic Warning

The rules and procedures related to Academic Warning for baccalaureate degree students apply also to associate degree candidates. However, students are issued Academic Warning when the semester GPA is below 2.0 or when the cumulative grade point average is below 2.0 and the student has earned fewer than 20 cumulative credits.

Academic Probation

The rules and procedures related to Academic Probation for baccalaureate degree students apply also to associate degree candidates. However, students are issued Probation when the cumulative GPA is below 2.0 and the student has earned 20 or more cumulative credits.

Associate Degree Dismissal and Reinstatement Policy

An associate degree candidate will not be dismissed from degree candidacy for unsatisfactory academic performance if he/she has acquired fewer than 21 cumulative semester hours of credits.

All other rules related to Dismissal and Reinstatement for baccalaureate degree students also apply to associate degree students.

Conditional Status for Associate Degree Students

Provisions for Conditional Status are the same for associate degree students as for baccalaureate degree students. However, students will be Summarily Dismissed if they are unable to achieve a 2.0 GPA after having completed 20 semester hours or after a period of one calendar year from the dismissal date, whichever occurs first.

Reinstatement and Readmission of Associate Degree Students

The rules are the same for associate degree and baccalaureate degree students.

Table 2

Cumulative Credits* are:	Grade Point Deficiency:
21 - 30	12 or more
31 - 50	6 or more
51 and above	3 or more

Note:

- "Cumulative Credits" are determined for the purposes of this policy by counting credits in all courses graded "A" through "F" and ignoring credits in courses with incomplete grades ("I"), Withdrawals ("W", "WE" or "WS"), Registered ("R"), or Audit ("AU") and credits completed in courses graded Credit/No Credit ("CR/NC") or Pass ("P"). Credits for repeated courses are calculated according to the course repeat policy. "Cumulative Credits" may differ from credits counted toward the degree, since the latter excludes courses the student does not pass.
- Credits transferred to Temple University will be counted as "cumulative credits" in order to establish the level of progress towards a degree.
- Grade point deficiencies, if any, accrue only from courses taken at Temple University.

Appendix I. Eliminating Grade Point Deficiencies

This chart illustrates how specific grades/credits remove grade point deficiencies.

Grade	Grade-Point Equivalent	Multiplied by X	Course Credits	Equals =	Grade Points Acquired	Minimum Grade Points for a 2.0 (C)	Grade Point Deficiencies Removed
A	4.00	X	1	=	4	2	2
	4.00	X	2	=	8	4	4
	4.00	X	3	=	12	6	6
	4.00	X	4	=	16	8	8
A-	3.67	X	1	=	3.67	2	1.67
	3.67	X	2	=	7.34	4	3.34

	3.67	X	3	=	11.01	6	5.01
	3.67	X	4	=	14.68	8	6.68
B+	3.33	X	1	=	3.33	2	1.33
	3.33	X	2	=	6.66	4	2.66
	3.33	X	3	=	9.99	6	3.99
	3.33	X	4	=	13.32	8	5.32
B	3.00	X	1	=	3	2	1
	3.00	X	2	=	6	4	2
	3.00	X	3	=	9	6	3
	3.00	X	4	=	12	8	4
B-	2.67	X	1	=	2.67	2	0.67
	2.67	X	2	=	5.34	4	1.34
	2.67	X	3	=	8.01	6	2.01
	2.67	X	4	=	10.68	8	2.68
C+	2.33	X	1	=	2.33	2	0.33
	2.33	X	2	=	4.66	4	0.66
	2.33	X	3	=	6.99	6	0.99
	2.33	X	4	=	9.32	8	1.32

NOTE: As a quick reference, keep in mind that every credit earned with a grade of B removes one grade-point deficiency.

Dates of official enactment and amendments:

Adopted by the President on June 12, 2003.

Revised by the President on September 7, 2006, to amend the provisions regarding eligibility for institutional financial aid and university housing, effective immediately.

Revised by the President on September 26, 2007, to amend the requirements for Academic Good Standing and Dismissal, effective immediately.

History:

This policy supercedes all policies and procedures related to academic warning, dismissal and reinstatement for undergraduates, and specifically [Probation and Dismissal](#) posted in the Academic Policy section of the *Undergraduate Bulletin*.

Cross References:

none

This policy is subject to change. The most current version of the applicable policy is available at http://policies.temple.edu/getdoc.asp?policy_no=02.10.11

Athletic Policies

Academic Eligibility

Initial and continuing academic eligibility requirements for student-athletes relative to NCAA guidelines are stated below. Student-athletes with any questions regarding athletic eligibility should contact the Athletics Certifying Officer at 215-204-2500.

1. Temple University is a member of the NCAA Division I-A level of competition. This division of the NCAA requires all student-athletes first entering college to enroll and be certified by the NCAA Initial-Eligibility Clearinghouse.
2. Student-athletes must be registered and attending a minimum of 12 semester hours. They may not withdraw from courses that would put them below 12 semester hours without prior approval from the Athletics Certifying Officer or Athletic Academic Advisor.
3. Student-athletes must pass 6 credits each semester, 18 credits in the academic year and accumulate 24 semester hours in their first two semesters of attendance.
4. Student-athletes must remain in "Academic Good Standing" each semester as determined by Temple University.
5. Student-athletes must officially declare a major prior to the beginning of their fifth semester at the university. In addition, the student-athlete must have completed at least 40% of the declared major before the first date of competition.
6. Student-athletes are required to complete 60% of their declared major before the first date of competition of their seventh semester and 80% of their declared major before the first date of competition of their ninth semester of full-time enrollment in college.
7. Transfer student-athletes from two-year institutions must graduate with an Associates degree before entering Temple University for immediate consideration for practice/"try-out" opportunity.
8. Initial and Transfer student-athletes are also bound by a 5-year clock that begins at the time of first entering an institution of higher education.

Athletic Eligibility

The Department of Intercollegiate Athletics is committed to practices, procedures and policies that are designed to assure proper emphasis on educational objectives, to promote competitive equity among institutions and to prevent the exploitation of student-athletes.

Eligibility to represent Temple University in intercollegiate competition as a varsity athlete is a privilege and not a right. Additionally, Division I athletic eligibility standards are more rigorous than other divisions. Factors which constitute athletic eligibility include, but may not be limited to:

- Conduct and Behavior
- Medical Certification
- Amateurism

Attendance

See [Attendance](#) in the Student Responsibilities section of the *Bulletin*.

Audit

There may be circumstances under which a student will wish to audit a course, i.e., participate in the class without earning academic credit, credit hours, or grades.

The student must have written permission of the instructor and of the dean of the college on a special approval form. Full tuition is charged, and standard payment procedures apply.

Change of registration from credit to audit, or from audit to credit, may be processed only during the following periods:

- before the end of the second week of the fall or spring semesters.
- before the end of the third day of classes during summer sessions.

Code of Conduct

The Temple University *Student Code of Conduct* can be viewed at http://policies.temple.edu/getdoc.asp?policy_no=03.70.12. Printed copies are available at the Dean of Students' Office. Other information about the Student Code of Conduct may also be found in the [Responsibilities and Rights](#) section of this *Bulletin*.

Course Numbering System

Effective first summer session 2007, Temple University began using a new course numbering system. Specific details about the course numbering system as well as a course number search tool can be found at <http://renumbering.temple.edu>.

All courses have full four-digit numbers. The first digit of a course identifies its level.

- Courses numbered A000 - U000 are reserved for transferred elective and generic credits.
- Courses numbered 0700 - 0999 are reserved for preparatory courses, General Education courses and Honors General Education courses.

- Courses numbered 1000 - 1999 are appropriate for undergraduate students in their first year of study.

Courses numbered 2000 - 5999 are considered "upper level" for undergraduates.

- Courses numbered 2000 - 2999 are appropriate for undergraduate students in their second year of study.
- Courses numbered 3000 - 3999 are appropriate for undergraduate students in their third year of study.
- Courses numbered 4000 - 4999 are appropriate for undergraduate students in their fourth year of study.
- Courses numbered 5000 - 5999 are primarily for graduate students, but undergraduate students in their third or fourth year may enroll with permission of their instructors and their advising centers.
- Courses numbered 8000 - 9999 are for graduate students.

Other classifications and definitions for undergraduate courses:

- **0700 - 0799 Preparatory Courses:** Courses numbered from 0700-0799 are appropriate for undergraduate, first-year math and writing courses. Students' math and writing placement examination results determine these course-level selections.
- **0800 - 0899 General Education Courses:** Courses numbered from 0800-0899 are appropriate for any undergraduate General Education course requirements.
- **0900 - 0999 General Education Honors Courses:** Courses numbered 0900-0999 are appropriate for any undergraduate General Education Honors course requirements.
- **xxx0 Special Topics:** Regularly-scheduled courses (not individualized instruction) offered with variable content, and repeatable for credit.
- **x9xx Honors Courses:** Undergraduate Honors courses will be identified by a 9 as the second digit of the course number and will have "Honors" as the first word of the title. The 9 in the second position will not be used by any non-Honors undergraduate course. General Education Honors courses are designated 09xx.
- **xx81 Cooperative Assignment:** Increasingly complex, experiential learning with supervision external to the university. Usually these courses include learning experiences over more than one semester - as part of a defined program.
- **xx82 Independent Study:** Explorative study or research initiated by an undergraduate student with faculty sponsorship and an approved Independent Study contract.
- **xx83 Directed Reading/Study:** Mentored reading/study between a faculty member and an undergraduate student.
- **xx84 Performance:** Concert performance, juried art exhibition or other performance taken as a requirement for the degree.
- **xx85 Internship/Externship:** Pre-professional clinical or experiential traineeships contracted by the student's department, including experiences with a clinical, research, or other special concentration in a specific area. Students must have faculty sponsorship and an approved Internship/Externship contract.
- **xx86 Internship/Externship:** Reserved for a continuation of an internship/externship experience, following xx85.

- **xx87 Practicum:** Programs that are traineeships contracted by the student's department to meet the educational, geographic, and specific interests of the student. Settings generally have on-site clinical supervision.
- **xx88 Student Teaching:** Practical experiences in student teaching designed to support and lead to teacher certification.
- **xx89 Field Study:** On-site, observational study or data collection and analyses which deepen practical knowledge in the discipline. The purpose of the Field Study is to integrate and apply academic theories to on-site experiences.
- **xx91 Directed Research:** Mentored research between a faculty mentor and an undergraduate student.
- **xx92 Undefined**
- **xx93 Undefined**
- **xx94 Undefined**
- **xx95 Undefined**
- **xx96 Writing-Intensive Course:** Courses fulfilling the requirement of the General Education Program that each undergraduate major designates at least two courses as "writing-intensive." The designated courses shall require students to edit and rewrite papers to achieve a high level of clarity and cogency, use a variety of methods to find appropriate materials to support written work and to make proper attribution of those sources.
- **xx97 Writing-Intensive Course**
- **xx98 Writing-Intensive Course**
- **xx99 Undergraduate Thesis:** Sustained research, performance or artistic project resulting in a substantial, finished written report or other product in a format appropriate to the project. Assumes faculty sponsorship and mentorship.

For more specific policies, consult individual schools, colleges, or programs.

Courses Inapplicable to Graduation

Semester hours earned in some courses are excluded from the total minimum semester hours required for graduation from some schools and colleges. While policies vary among schools and colleges, courses inapplicable to graduation requirements generally are ELECT, Mathematics 0015 (formerly Mathematics 0001), Russell Conwell Center courses, and lower-level Military Science (ROTC) courses.

For specific information, see Policies and Regulations: Courses Inapplicable to Graduation in each school and college's section in this *Bulletin*, or consult academic advisors.

Courses Over Ten Years Old

In admitting transfer or returning students, the university will, when possible, allow credit for courses taken ten or more years prior to the date of admission or readmission.

However, academic units may choose not to accept courses regardless of age for credit in the major. Courses of a technical nature or courses in a particularly dynamic field may not be accepted for credit.

Final determination of the acceptability of such sources is the responsibility of academic units and generally occurs after the student has matriculated or been readmitted.

Credit/No Credit Courses

Eligible students may want to take a course in an area in which they are not proficient or about which they are curious while not risking their grade point average. Such students, with certain provisions, may be graded using the Credit/No Credit (CR/NC) system.

Students may select the CR/NC grading option or return to the traditional grading option only during the first two weeks of a fall or spring semester course and during the first three days of a first or second summer session course, with the written authorization of their advisor and dean.

Eligibility is limited to:

- matriculated, full-time students
- those in academic good standing
- juniors or seniors (60 or more semester hours)

Courses are restricted to:

- non-required electives
- one CR/NC course per semester
- maximum of four CR/NC courses toward the degree

No grade points are assigned to either the CR or NC grade. CR is equivalent to A, A-, B+, B, B-, C+, C, or C-. NC is equivalent to D+, D, D-, or F. The semester hours earned are credited toward the total required for graduation. Because CR and NC yield no grade points, they are not included in divisor hours for calculating the grade point average. CR and NC are not included in calculating cumulative credits for determining academic actions specified in the Undergraduate Policy on Academic Warning, Probation, Dismissal and Reinstatement.

Credit for Prior learning

Temple University awards limited academic credit and course placement to students based on previous academic, employment, and/or other learning experience in addition to credit earned in a traditional classroom setting. Non-traditional credits are not applied to the minimum number of credits (60) required to earn Latin Honors at graduation.

Advanced Placement Tests

Temple awards college credits to students who in high school participated in the Advanced Placement program sponsored by the College Examination Board as follows:

- Art History, Chemistry, English (Language and Literature), Political Science (Comparative Government and U.S. Government), History (American, European and World), Latin (Virgil and Literature), Physics -- Minimum score of 4

- Other subjects -- Minimum score of 3
- Students who receive the minimum score in the English Advanced Placement test will receive English elective credit, not Composition credit.

For a detailed listing of AP equivalencies and required scores, click [here](#).

Students should have taken these tests in high school and should have their scores sent directly to the Office of Undergraduate Admissions. Transfer students must request Educational Testing Services to send their Advanced Placement Test scores to the Office of Undergraduate Admissions, even if they have requested them for a previously-attended college.

If credit is awarded, a student's university record will carry notation of credit, but no grade will be recorded. Credit awarded will not affect a student's grade point average at Temple University.

Limitations on credit earned through the Advanced Placement Examinations are as follows: (1) the credit must be useful in a student's program of study; (2) duplicate credit in the same course is not awarded in any case.

Advanced Placement equivalencies will be reviewed annually and are subject to change. Students will receive the equivalency that is in effect at Temple at the time of their matriculation.

Advanced Placement credits can be counted toward eligibility for the 45+ Transfer Core if the student also has transfer courses from another college or university. See [Core Curriculum: Core Transfer Programs](#).

College Level Examination Program (CLEP)

CLEP provides a mechanism for students to meet the requirements of a class through examination. Temple recognizes students' prior learning by accepting the CLEP tests indicated in the below CLEP equivalencies chart. In addition, credit is granted for acceptable performance on the following sections of the General Examination: Mathematics, Natural Sciences, and Social Sciences and History. Students should contact the advising center in the College of Science and Technology (for Mathematics or Natural Sciences) or the College of Liberal Arts (for Social Sciences and History).

Students must obtain permission to take any CLEP test from the dean of the college in which they are matriculated. See the below CLEP equivalencies chart for a list of the subject examinations, number of the course equivalent for which Temple grants credit, and the minimum score.

All literature, history, and political science examinations require an essay in order to receive credit at Temple. Students planning to take CLEP tests are urged to do so no later than the semester before they expect to graduate. Information about test dates, fees, and the application process may be obtained from the Measurement and Research Center, 12th Floor, Carnell Hall, Main Campus, 215-204-8611.

Transfer students can earn credit through prior CLEP exams if their scores meet the Temple credit-granting standards. They should have their CLEP scores sent directly to their academic advising center. If that college approves the granting of CLEP credit, it is posted to the student's record by the Office of Academic Records.

CLEP credits granted by Temple, and those taken prior to admission to Temple and confirmed by the appropriate Temple department, can be counted toward eligibility for the 45+ Transfer Core if the student also has transfer courses from another college or university. See [Core Curriculum: Core Transfer Programs](#).

CLEP Equivalencies			
Temple University CLEP Examination	Corresponding Department	Temple Course	Minimum Score
American Government	Political Science	Political Science 1101: <i>The American Political System</i>	50
American History I	History	History 1101: <i>U.S. History to 1877</i>	50
American History II	History	History 1102: <i>U.S. History since 1877</i>	50
American Literature	English	English 2301: <i>Survey of American Literature I</i>	50
Analyzing and Interpreting Literature	English	English 1197: <i>Introduction to Literature</i>	50
General Biology	Biology	Biology 1011: <i>General Biology I</i>	50
English Literature	English	English 2201: <i>Survey of English Literature: Beginnings to 1660</i> , or English 2202: <i>Survey of English Literature: 1660–1900</i>	50
General Chemistry	Chemistry	Chemistry 1031: <i>General Chemistry I</i>	50
General Psychology	Psychology	Psychology 1061: <i>Psychology as a Social Science</i>	50
Introduction to Management	Human Resource Management	HR MGMT 1101: <i>Organization & Management</i>	50
Introductory Accounting	Accounting	Accounting 2101: <i>Financial Accounting</i> , and Accounting 2102: <i>Managerial Accounting</i>	50
Introductory Business Law	Law (Business)	Law S.B.M. 1001: <i>Law in Society</i>	50
Intro. Macroeconomics	Economics	Economics 1101: <i>Macroeconomic Principles</i>	50
Intro. Microeconomics	Economics	Economics 1102: <i>Macroeconomic Principles</i>	50
Introductory Marketing	Marketing	Marketing 2101: <i>Marketing Management</i>	50
Introductory Sociology	Sociology	Sociology 1176: <i>Introduction to Sociology</i>	50
Western Civilization I	History	Lower-Level History Elective	50
Western Civilization II	History	Lower-Level History Elective	50

Assessment of Prior Learning Outside of the Academic Classroom

Decisions to assess prior learning experiences outside of the academic classroom are made by the individual schools and colleges. An evaluation of work experience for a specific subject area

may be based on the submission of papers, presentation of a portfolio of completed work, and/or a demonstration of acquired skills.

Credit so granted is based on a faculty evaluation of the respective learning experiences in terms of their identified relationship to the knowledge and skills required, either in the pursuit of educational programs in the college or in the performance of tasks related to the substance of study. Semester hours credited toward the minimum number for a degree are always granted relevant to a specific program. If students change their programs of study, semester hours credited toward an earlier program of study may not be recognized in the new program.

Credit for relevant prior learning outside of the academic classroom, if approved, will be posted only after the completion of a minimum of 30 credits of formal coursework at the university.

Approval of relevant prior learning credit must be in writing over the signature of at least one sponsoring faculty member, the appropriate department or committee chairperson, and the dean of the college that is granting the credit.

The total number of semester hours granted through non-traditional means varies according to the individual colleges or programs; and individual colleges or programs may choose not to grant any credit for prior learning outside of the academic classroom. A per-credit fee is charged, regardless of the final outcome.

Grades are not assigned for credits earned through prior learning outside of the academic classroom.

Each college engaged in the assessment of academic and work experiences determines its own procedures for review and testing; students should contact the appropriate advising office for information about the procedures for assessment.

International Baccalaureate

Temple awards college credits to students who pass the International Baccalaureate Program's higher-level course exams with an exam grade of five or above. International Baccalaureate transcripts should be sent directly to the Office of Undergraduate Admissions.

Limitations on credit earned through the International Baccalaureate: (1) credits must be useful in a student's program of study (2) duplicate credit in the same course is not awarded in any case.

Dean's List

Academic Criteria for Dean's List

The following list provides the academic criteria that students must meet in order to be added to the Dean's list for a completed semester. The list includes the name of the academic unit, followed by the minimum semester hours (s.h.) and the minimum grade point average (GPA) required for Dean's List recognition for an academic semester:

- Ambler College - 12 s.h. - 3.5 GPA
- Tyler School of Art - 15 s.h. - 3.5 GPA
- Architecture Program - 15 s.h. - 3.2 GPA
- Communications & Theater - 12 s.h. - 3.5 GPA
- Education - 12 s.h. - 3.5 GPA
- Engineering - 15 s.h. - 3.2 GPA
- Esther Boyer College of Music & Dance - 12 s.h. - 3.5 GPA
- Fox School of Business & Management - 12 s.h. - 3.5 GPA
- Health Professions - 12 s.h. - 3.5 GPA
- Liberal Arts - 12 s.h. - 3.5 GPA
- Science & Technology - 12 s.h. - 3.5 GPA
- Social Administration - 12 s.h. - 3.5 GPA
- Tourism & Hospitality Management - 12 s.h. - 3.5 GPA

The minimum semester hours listed above include letter-graded courses and, depending on the academic unit, may exclude MG's, NR's, W's, or unresolved I's. Grade changes may affect cumulative GPA's.

Declaration of Major

Students admitted to Temple for fall 2002 and after must be enrolled as a major in a degree-granting program in a school or college by the time they have completed 60 credits, including any credits transferred from another institution.

Students admitted to Temple with 60 or more transfer credits will be matriculated directly into a degree-granting program, rather than as “undeclared” in a school or college or the Division of University Studies.

Students declare a major either by completing their school’s or college’s declaration of major process (see specific school or college section in this *Bulletin*) or by completing an intra-university transfer to another Temple school or college (see the policy on [Transfer between Colleges within the University](#)).

Individual schools and colleges may require students to declare a major earlier than 60 credits. Students should consult the policies and regulations of their own school/college for any additional guidelines regarding declaration of major.

Disciplinary Action

The University Disciplinary Committee, which is located in the Office of Judicial Affairs in the Howard Gittis Student Center, is responsible for administering the Student Code of Conduct. Violations of the university's Code of Conduct, including among other things, stealing, cheating, disorderly conduct, plagiarism, and possession of illegal drugs, may result in a student being brought before the University Disciplinary Committee. A finding of responsibility may result in a fine, suspension, and/or dismissal. A disciplinary hold is placed on the student’s record until sanctions are fulfilled. To see the Student Code of Conduct or other information on disciplinary

actions, go to the Office of Judicial Affairs web site at www.temple.edu/studentaffairs/judicial_affairs/index.htm. The Student Code of Conduct may also be viewed at http://policies.temple.edu/getdoc.asp?policy_no=03.70.12.

Double Major Across Colleges

A student who meets the major requirements of two departments may declare, and have recorded on his or her transcript, a double major. Students who graduate with a double major across two colleges are required to complete all university requirements and the requirements of both majors, but only one set of collegial requirements. The student must obtain prior approval from both schools or colleges. One department must be declared the primary department for the purpose of registration and college graduation requirements. (Students considering a double major across colleges should ask academic advisors in both colleges about college policies related to choosing the primary department.)

Family Educational Rights & Privacy Act (FERPA)

For information on the Family Educational Rights and Privacy Act (FERPA) of 1974, see the [FERPA](#) text in the Responsibilities & Rights section in this *Bulletin*.

Final Examinations

University policies require that final examinations be given only during the final examination week as noted on the academic calendar, which is printed each year in this *Bulletin* and is available at www.temple.edu/registrar.

For day classes on Main and Ambler campuses, a detailed examination schedule, by day and time, is published in each semester's *Guide to Registration* and is available at www.temple.edu/registrar; this information is also circulated at the beginning of each semester.

Final examinations for evening classes on Main and Ambler campuses, TUCC classes, Health Sciences Center classes, and Tyler School of Art classes are given at the regular class time during final examination week.

Instructors are encouraged to make individual accommodations with students who have more than two (2) examinations scheduled on one day.

Grade Change

No change of final grade for a completed course will be made without the approval of the instructor's dean. Deans will consider the grade change upon receipt of the instructor's written explanation. No grade will be changed after the baccalaureate degree is awarded.

Grade Point Average (GPA)

Each student's transcript indicates the credit hours completed and passed, grade points, and grade point average (GPA).

The GPA also appears on a student's semester grade reports, DARS reports or the academic advising document.

A student's GPA may be useful in assessing academic progress, in determining eligibility for specific programs, or in determining eligibility for Honors or other awards.

No change in a student's GPA is made after the baccalaureate degree is awarded.

To Compute Semester Grade Point Average:

1. Multiply the value of the grade (see policy on Grades and Grading below) by the course's number of semester hours to get quality points.
2. Add the total quality points.
3. Divide total number of quality points by the total number of semester hours completed in courses that yield quality points.

Note: Not included in GPA computations: I, IC, IP, MG, NR, CR, NC, R, P, AU, W, WE, WS, PI. Also see policy on [Repeating a Course](#).

To Compute Cumulative Grade Point Average:

Divide the total number of quality points by the total number of semester hours completed in courses that yield quality points.

Note: Not included in GPA computations: I, IC, IP, MG, NR, CR, NC, R, P, AU, W, WE, WS, PI. Also see policy on [Repeating a Course](#).

For credit transferred from other institutions, no grade points are allowed. See also [Repeating a Course](#).

Grades and Grading

Semester Grades

The work of all undergraduate students is graded and reported at the end of each semester. Students may access their semester grades on OWLnet within 48 hours of the end of the examination period for that semester and may request a mailed grade report through OWLnet.

Three systems are in use for grading and reporting students' work:

1. Letter grades and points	
A	4.00 Excellent

A–	3.67
B+	3.33
B	3.00 Good
B–	2.67
C+	2.33
C	2.00 Fair
C–	1.67
D+	1.33
D	1.00
D–	.67 Passing
F	.00 Failed
Note: Although D- is a passing grade, a minimum grade of C- is required in University Core curriculum and General Education courses and, in many programs, courses required by the major.	
2. Credit/No Credit	
CR	Equivalent to A, A–, B+, B, B–, C+, C, or C–
NC	Equivalent to D+, D, D–, or F
Note: In the Credit/No Credit system, no grade points are assigned, but a limited number of credits in courses in which students earn the CR designation counts toward the total credit hours completed. See Credit/No Credit Courses .	
3. Other transcript notations	
AU	Audit
I	Incomplete
IC	Incomplete in a Credit/No Credit course
IP	Incomplete pass/fail course
MG	Grade temporarily missing
NR	Grade not reported
P	Passed grade
PI	Permanent incomplete
W	Withdrawal from course
WE	Withdrawal with approved excuse
WS	Withdrawal from the semester

For more information, see the policies on [Audit](#), [Credit/No Credit Courses](#), [Incomplete Coursework](#), and [Withdrawal Policies](#) in this *Bulletin*.

Academic Progress in Lower-Division Courses

Students in lower-level courses (numbered below 2000) receive a mid-semester rating report indicating that their work to date is satisfactory or unsatisfactory or that they have not been

attending the course. This report is available on OWLnet by the end of the sixth week of fall and spring semesters.

Graduation Procedures

As students approach the end of their undergraduate careers, they must make sure that they are eligible for, and can participate in, graduation ceremonies.

In their junior year, or when 80 semester hours have been completed, students should begin an ongoing graduation check with their academic advisors in order to determine that they are meeting the university, college, departmental, and program requirements for their degree and for graduation.

Early in the semester in which graduation requirements will be completed, students complete an Application for Graduation form and pay the University Graduation Fee at the Bursar's Office or through OWLnet. Students in some schools or colleges must apply and pay the fee in the term prior to graduation. For the current fee, see [Tuition and Fees](#) in the Financial Information section of the *Bulletin*.

Confirmation of the fee payment is expected with the completed Application for Graduation form that is submitted to the student's Advising Office or Academic Dean's Office.

Application deadlines are:

- February 16 for May graduation
- June 1 for August graduation
- October 15 for January graduation

Earlier deadlines may be in effect in some academic units.

The Application for Graduation form must be properly completed, particularly the areas relating to the resolution of incompletes and diploma instructions. Information concerning commencement activities (such as time, place, invitations, rental of academic regalia) is available to students once they have submitted their completed Application for Graduation form. Students will not have their degree awarded or diploma or transcript released until all university tuition and fees have been paid.

Grievances

See [Grievances](#) in the Student Rights section of the *Bulletin*.

Honors for Academic Achievement

Temple University recognizes academic achievement in several ways.

Dean's Lists

Dean's Lists record the names of those full-time matriculated undergraduate students in each school or college who completed a semester's work with a stated minimum number of semester hours and GPA. Also, part-time matriculated undergraduate students who have earned at least 12 credit hours across an academic year (fall and spring semesters) are eligible to be considered for Dean's List recognition for that academic year. (NOTE - University Studies students who achieve a semester grade point average (GPA) of 3.5 or above with 12 or more graded credits are named to the University Studies Distinguished Scholars List.)

For further information, see the [Academic Criteria for Dean's List](#) in the Academic Policies section of the *Bulletin*, check under your school or college listing in the *Bulletin*, or contact your school or college Advising Center.

Graduation (Latin) Honors

This distinction is bestowed upon those candidates for baccalaureate degrees who have completed at Temple University at least 60 hours toward their degree. Such students will be awarded their degrees "with praise" according to the following criteria:

- Summa Cum Laude: the top 2% of each college's distribution of cumulative GPAs for the graduating cohort;
- Magna Cum Laude: the next 5% of each college's distribution of cumulative GPAs for the graduating cohort;
- Cum Laude: the next 9% of each college's distribution of cumulative GPAs for the graduating cohort;

Calibration of these grade distributions will be based on the previous year's cycle of August, January, and May graduations.

See also [Admissions: University Honors Program](#), [Academic Opportunities: Honor Societies](#), and [Academic Opportunities: University Honors Program](#) in the *Bulletin*; and the schools and colleges for college and departmental honors and honors programs.

Incomplete Coursework

An instructor may file an "I" (Incomplete) when a student has not completed the work of a course by the time grades must be submitted, but has completed the majority of the work at a passing level and has a written agreement with the instructor and the department regarding completion of the work, including the nature of the work to be completed, the means by which the final grade will be determined, and the date by which the work must be completed. The

completion date may be no later than one year from the end of the semester in which the student took the course. The agreement shall also specify a default grade to be received if the work is not completed by the date indicated. One copy of the agreement shall be retained by the instructor, one shall be given to the student, and one shall be filed with the department office or, in colleges or schools without departments, the dean's office.

As of September 1, 2003, if the instructor does not change the grade of "I", pursuant to the agreement with the student, by the end of one year from the time the grade of "I" was awarded, the appropriate university official shall automatically change the grade of "I" to the reported default grade, and the default grade shall appear on the transcript and be used for all other grading purposes as the actual grade received in the course.

Faculty advisors and staff advisors have the option of not permitting a student to register for an "overload" if the student is carrying one or more active incomplete courses, or for a "full load" if the student is carrying two or more active incompletes. ([policy # 02.10.13](#))

Lower Division Student Academic Progress

Instructors in lower-division freshman and sophomore courses will provide evaluations of student progress by the end of the fifth week of class. It is the course instructor's responsibility to complete and return an early report indicating satisfactory or unsatisfactory progress for each student. Students will receive mid-semester ratings on their OWLnet accounts for each lower-division course taken. ([policy # 02.10.15](#))

Matriculated Students

Matriculated students are those who have applied, been accepted, and enrolled in a degree program of the university during the semester for which they were admitted.

Completion of course credits before becoming a matriculated student does not assure the acceptance of those credits into the program of matriculation.

Non-Matriculated Students

Non-matriculated students are those who have not been admitted formally to a degree program. For information and academic advising for non-matriculated students, see [Programs with Academic Credit](#) in the Special Programs section of the *Bulletin* and the [Office of Continuing Education](#) web site (www.temple.edu/conted).

Degree-seeking non-matriculated undergraduate students are required to apply for admission to a degree program before they complete 30 credits in Continuing Education. To enroll in undergraduate courses, students must have earned a high school diploma or a G.E.D. certificate. Students who have attended another college or university must have earned at least a 2.00 GPA and provide a transcript (official or unofficial) of their previous academic work.

Prior to their enrollment, degree-seeking non-matriculated students are required to take one or more university placement tests. (Some transfer students may be exempt from this requirement. To find out if they are exempt or not, transfer students are strongly encouraged to seek guidance from a Continuing Education academic advisor prior to taking this test.)

Non-matriculated undergraduate students are not permitted to take more than 11 credits during their first semester.

Non-matriculated undergraduate students who are accepted into an undergraduate degree program may count their Temple, non-matriculated credits toward their residency requirements.

Permission to Take Courses at another Institution after Matriculation

There is an expectation that students who are earning a degree at Temple are taking their courses at Temple. However, students may be given permission to take courses at another institution under special circumstances. Students will not receive credit for courses taken at another institution while matriculated at Temple, unless prior permission is received from their school or college through their advising center.

To be eligible to apply:

- The student's cumulative grade point average must be 2.00 or above.
- There must be a compelling academic reason.
- The student, while taking the course, must be residing (current or permanent home address of record) 50 or more miles from the student's Temple University campus.
- The institution offering the course must be located 50 or more miles from the student's Temple University campus.
- The course is currently not offered through Temple's distance-learning program.

Students must apply during the semester prior to the one in which they wish to take the course(s) elsewhere. Students must complete a "Request for Permission" form obtained either from their advising center or at www.temple.edu/vpus/forms/index.htm.

- If a course is to fulfill a student's college/major requirement and the course equivalency is not on the authorized list of transfer courses (ISIS A9 screen), the form must be first signed by the departmental designee/representative and then approved by the student's advising office;
- If a course is to fulfill a Core requirement and the course equivalency is not on the authorized list of transfer courses (ISIS A9 screen), the form must be signed by the Assistant Vice Provost for Undergraduate Studies/representative located in the Office of the Senior Vice Provost for Undergraduate Studies (500 Conwell Hall) and then approved by the student's advising office;
- If a course is to fulfill a General Education requirement and the course equivalency is not on the authorized list of transfer courses (ISIS A9 screen), the form must be signed by the

General Education Office (714 Carnell Hall) and then approved by the student's advising office.

Students should note that:

- Credits will be transferred to Temple only upon the completion of the course(s) with a grade of "C-" or better. See [Admissions: Transfer Credit](#).
- Some Temple schools and colleges have additional limitations on the kind or number of transfer credits accepted.
- Students may also receive transfer credit for courses taken through a pre-approved study abroad program. However, students planning to receive transfer credit for courses completed on a non-Temple program must complete the form "Request for Approval to Study Abroad on a non-Temple Program" for course equivalency approvals. For information about Temple study abroad programs, see [International Programs and Study Abroad](#). For information about receiving permission to study abroad through another institution, see [Study Abroad Approval Procedures for Non-Temple Programs](#).
- Transfer credits do not affect a student's Temple grade point average.
- A student cannot receive credit for the same course twice.
- Grades earned in transfer courses cannot be used to replace grades earned in the Temple equivalent courses.
- Thirty (30) of a student's last 45 credits must be taken at Temple University. (Some majors have additional residency requirements.) See [Academic Residency Requirements](#).
- To be eligible for Latin Honors at graduation, a student must complete a minimum of 60 semester hours of the program while matriculated at Temple.

Once a student has received prior permission and taken a course elsewhere, the student must have an official transcript from that institution sent to the Admissions Office as soon the transcript is available.

Placement Testing

Go to the Measurement and Research Center web site at www.temple.edu/marc/placements.html for details.

Also, see the [Admissions: Placement Testing](#) section of the *Bulletin*.

Plagiarism and Academic Cheating

See [Academic Honesty](#) in the Student Responsibilities and Rights section of the *Bulletin*.

Prerequisites and Co-requisites

A course **prerequisite** is any requirement an academic department identifies as essential for a student to complete before taking a course. The university is responsible for publishing prerequisite requirements. All prerequisites, whether they apply to an individual course or to all

courses in a department, should be stated in the printed and electronic versions of the current edition of the university's *Undergraduate Course Descriptions*. They should also be stated in the course syllabus.

Course prerequisites consist of one or more of the following: completion of placement or proficiency tests or other assessments; achievement of specified scores on placement or proficiency tests or other assessments; possession of specified knowledge or skills; approval after audition; approval of portfolio; declaration of major or admission to restricted program; completion of specific courses, sets of courses, and/or kinds of courses; completion of a specified number of semester hours or achievement of a specified class level; achievement of specified grades in prerequisite courses or sets of courses; achievement of a specified GPA; approval of an application or proposal; permission of the instructor, department, or other person or office; satisfaction of other specified requirements.

Students are responsible for knowing and completing all published prerequisite requirements for a course before taking that course. The university has the obligation to inform students of prerequisite requirements. It has the right to cancel a student's registration in a course if the student has not satisfied the published prerequisite requirements for that course.

A course **co-requisite** is a requirement that must be completed at the same time as the course for which it is required. The university is responsible for publishing co-requisite requirements. All co-requisites, whether they apply to an individual course or to all courses in a department, should be stated in the printed and electronic versions of the current edition of the university's *Undergraduate Course Descriptions*. They should also be stated in the course syllabus. Co-requisites may be specified courses, permissions, admission to programs, and/or other requirements. Students are responsible for knowing and completing all published co-requisite requirements for a course. The university has the obligation to inform students of co-requisite requirements and the right to cancel a student's registration in a course if the student has not arranged to satisfy the co-requisite requirements for that course.

Probation and Dismissal

See [Academic Warning, Probation, Dismissal and Reinstatement](#).

Registration

See the [Registration](#) section of the *Bulletin*.

Repeating a Course

Students may wish to repeat a course in order to earn a higher grade, either to raise their grade point average or to receive a grade required by their major or to meet another requirement, such as achieving the minimum C- required for successful completion of Core Curriculum courses.

The decision to repeat a course for a higher grade must be made in consultation with an advisor. A repeated course must be graded using the same grading system (pass/fail, credit/no credit, or letter grade) as when originally taken.

If an undergraduate student takes a course more than once, (a) all occurrences of the course will appear on the student's transcript, but (b) all grades other than the lowest grade received will be used in calculating the student's grade point average.

Except for courses designed to be taken multiple times, such as independent study, research, or other specified courses, credit for a given course will be granted only once.

This policy will apply only when one or more of the repeated courses is taken after September 1, 2003.

No change in a student's undergraduate grade point average is made after the baccalaureate degree is awarded.

Satisfactory Academic Progress

Satisfactory academic progress is determined by a number of factors, including a student's semester grade point average, cumulative grade point average, and the number of semester hours attempted and completed. A student's progress is reviewed at the end of each semester by the student's Temple school or college and may affect the student's ability to continue in a program or major and eligibility for financial aid. Students should be advised that course withdrawals and incompletes will affect their progress and thus their academic standing. See [Academic Warning, Probation, Dismissal and Reinstatement](#) and [Grade Point Average](#).

Schedule Revision (Drop/Add)

See [Schedule Revision \(Drop/Add\)](#) in the Registration section of the *Bulletin*.

Second Degrees

Students may earn second degrees in some schools and colleges of Temple University. Students interested in earning a second degree should consult with the Office of the Dean of the school or college offering the desired degree.

Schools and colleges may waive up to 9 credits of degree requirements outside the new major for students who already have a bachelor's degree from Temple University or from another college or university and who desire a second degree from Temple. This waiver pertains to requirements not satisfied by credits transferred from other colleges or universities.

Students who hold their first bachelor's degree from Temple are exempted from courses or course categories required of all undergraduates, such as non-major Core Curriculum

requirements. However, courses accepted in transfer for a student's first Temple degree may not apply to their second Temple degree, depending on the second degree requirements.

Study Abroad Approval Procedures for Non-Temple Programs

To receive credit for courses taken on a non-Temple study abroad program during the academic year or summer sessions, matriculated students in good academic standing are required to discuss their study abroad plans with their academic advisor, have the International Programs Office endorse the chosen study abroad program, and seek final written approval from their school or college advising office. Students should obtain the Study Abroad Approval form from their advisor or the International Programs Office, and during the semester prior to study abroad, fill out the form and obtain the appropriate signatures.

Permission to study abroad is rescinded if the student's GPA falls below 2.0, or the student is placed on academic warning or probation. As with all courses accepted in transfer, only a grade of C- or higher is acceptable; an official transcript must be forwarded to the student's advising office before the beginning of the following semester. Thirty (30) of the student's last forty-five (45) credits must be taken at Temple University.

See [International Programs and Study Abroad](#) in the Academic Opportunities section.

Transcripts

A student's academic history is contained in a transcript, which is maintained by the Office of Academic Records.

Official transcripts are issued upon the written request of the student, carry the seal of the Office of Academic Records, and are usually sent directly to another educational institution, a potential employer or other approved third party. The fee for each transcript is \$6.00.

Official transcripts may also be issued directly to the student but will be identified with information that will indicate to the reader (whether a potential employer or another educational institution) that it was so issued.

A transcript is considered correct and final one calendar year after it is issued. If a student identifies an error, the Office of Academic Records must be notified in writing within one calendar year. See the Office of Academic Records web site for more details (www.temple.edu/registrar/).

Transfer between Colleges within the University

Intra-University Transfer (IUT) denotes a student's movement from one academic unit within the university to another and/or from one campus to another.

Transfer between academic units is not automatic. If students decide to earn their degrees in an academic unit other than the one in which they are matriculated, they must make application for the transfer and can do so at anytime except the months of January and August.

The Intra-University Transfer form can be picked up at any advising center or dean's office. Students then submit the form to the college to which they wish to transfer. The student will be notified of the decision of the office of the dean of the proposed college.

Students may initiate transfer from one college of the university to another if they are in good academic standing, holding a minimum cumulative GPA of 2.0. Higher averages are required by a number of schools and colleges, and students should consult the individual school or college policy section of the *Bulletin* for IUT GPA requirements. In addition to GPA requirements, the Tyler School of Art has portfolio requirements and the Esther Boyer College of Music and Dance have audition requirements.

Transfer Credit

See [Admissions: Transfer Credit](#).

Withdrawal Policies

WITHDRAWAL FROM CLASSES

During the first two weeks of the fall or spring semester or summer sessions, students may withdraw from a course with no record of the class appearing on the transcript. In weeks three through nine of the fall or spring semester, or during weeks three and four of summer sessions, the student may withdraw with the advisor's permission. The course will be recorded on the transcript with the instructor's notation of "W," indicating that the student withdrew. After week nine of the fall or spring semester, or week four of summer sessions, students may not withdraw from courses.

No student may withdraw from more than five courses during the duration of his/her studies to earn a bachelor's degree.

A student may not withdraw from the same course more than once.

Exceptions: Students may not withdraw from Mathematics 0015 unless they are withdrawing from the university.

Procedure: Withdrawal from a course is accomplished with a Schedule Revision (Drop/Add) form, processed through a campus registration office.

Notes on the policy:

1. The limitation of each student to five withdrawals does not apply to withdrawals from courses taken before the fall 2003 semester.

2. The prohibition of multiple withdrawals from the same course applies to any course taken in the fall 2003 semester or later, from which the student has withdrawn in any prior semester. This means that as of September 1, 2003, a student cannot withdraw from a course from which he/she withdrew in any prior semester.

3. Withdrawal grades and transcript notations:

Withdrawal Grades and Transcript Notations		
Withdrawal Grade	Action	Transcript Notation
W	Withdrawal from course	Displayed on transcript; counted toward total of five (5) withdrawals; not included in GPA calculations
WE	Withdrawal with approved excuse	Approved and posted by student's Dean's Office for withdrawals due to medical, catastrophic or other circumstances beyond the student's control; not counted toward total of five (5) withdrawals; not included in GPA calculations
WF	Withdrawal with a failing grade	This is an historical grade used prior to September 2003; included in GPA calculations with 0.00 points. The WF is no longer a grading option.
WS	Withdrawal from the semester	Denotes withdrawal from all courses in the term; not counted toward the five (5) withdrawal limit.

COMPLETE WITHDRAWAL POLICY

A student may withdraw from the university by filing an official withdrawal with the approval of the dean of his/her college. The dean shall determine whether there is legitimate reason for withdrawal with symbols of WS or WE (excused approval authorized by the dean) in all courses in which the student is enrolled, consulting with the instructors when necessary. The student should present the approved official withdrawal form to his/her campus registration office.

REFUNDS FOR WITHDRAWALS

Complete refund of tuition or cancellation of tuition charges will be made only if the withdrawal form is processed by the end of the second week of classes of the fall and spring semesters or summer sessions.

Students withdrawing after these periods are responsible for payment of all charges incurred. No refund or adjustments of charges will be made for withdrawals after these periods unless

specified under the university's refund policy. See the bottom of the [Tuition and Fees](#) section for the Refund Policy.

Academic Programs

This section of the *Bulletin* provides information on academic programs in the university, including individual schools and colleges, as well as their academic departments. Other academic programs and requirements that can be found in this section include a listing of Programs of Study, University General Education requirements, University Core requirements, University Studies, and Intercollegial Programs. To view the contents of each section, please see the menu to the left.

Attention New Freshmen and Transfer Students:

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum. Students who have fewer than 15 transferrable credits are considered freshmen. Additionally, students whose transfer credits were earned while in high school, regardless of the number of transfer credits, are considered freshmen.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum. Students who attempted 15 or more transferrable credits after high school and prior to being admitted to Temple University are considered transfer students.

GENERAL EDUCATION

As the 21st century advances, the amount of information available to us and the speed with which we can access information continues to expand at a stunning pace. General Education (GenEd) is a response to this reality: in a world where no one can hope to know it all, the best way to prepare for the future is to learn how information is linked and how pieces of information are interrelated.

GenEd is about making connections. GenEd classes draw connections between academic knowledge and current controversies. From global terrorism to global climate change, from digital mapping to the future of television, GenEd classes will involve looking at cutting edge issues from multiple perspectives. GenEd draws connections too with the city of Philadelphia, as classroom study is integrated with Temple's dynamic urban environment.

For New Freshman Students

All new freshman students starting in academic year 2008-2009 and later are required to complete Temple University's new General Education (GenEd) curriculum. (New transfer students starting in academic year 2008-2009 are required to complete the [Core](#) curriculum.)

The General Education curriculum introduces students to nine areas of learning and a total of eleven courses, divided into Foundation courses and Breadth courses.

Foundation Courses

Required Course Identifier (RCI)	Area	Requirement
GW	Analytical Reading & Writing	1 course, 4 credit hours
GQ	Quantitative Literacy	1 course, 4 credit hours
GY	Mosaic I	1 course, 3 credit hours
GZ	Mosaic II	1 course, 3 credit hours

Course Sequencing

Students are advised to take the three-semester sequence formed by *Analytical Reading & Writing*, *Mosaic I* and *Mosaic II* as soon as possible after entering Temple in order and in successive semesters.

In addition, GenEd considers Quantitative Literacy a foundational course, and thus, students are advised to take a GenEd Quantitative Literacy course as soon as possible after entering Temple and before enrolling in Science & Technology courses.

Breadth Courses

Required Course Identifier (RCI)	Area	Requirement
GA	Arts	1 course, 3 or 4 credit hours
GB	Human Behavior	1 course, 3 credit hours
GD	Diversity & Race	1 course, 3 credit hours
GG	World Society	1 course, 3 credit hours
GS	Science & Technology	2 courses, 3 credit hours each
GU	U.S. Society	1 course, 3 credit hours

Finding GenEd Courses

Each GenEd area has a list of courses approved as satisfying the requirements for that area. Descriptions of the GenEd areas and their approved courses can be found by clicking on the links under the GenEd Areas menu to the left.

Descriptions of GenEd courses are available in the printed *Undergraduate Course Descriptions* published each spring before the registration period for fall courses, and online through the web version of this *Bulletin* (www.temple.edu/bulletin/ugradbulletin/ucd/ucdtoc.html). Because not all approved courses are offered every semester, each semester's *Guide to Registration* contains a list of GenEd courses being taught that term.

Current students can find courses that fulfill GenEd areas by using the following tools:

OWLnet (<http://owl.net.temple.edu>): Click on the "Register/Roster" tab, then click on the "find a course" button and choose a department. The two-character GenEd code for a course appears in the "Course ID (RCI)" column.

The **Course Schedule** ([TUcourses](#)): Select a semester, then click on the "View General Education Courses Only" option. Alternatively, select a semester, then select a department and a GenEd area to display.

The **Course Descriptions catalog** (both in print and [online](#)): The GenEd courses are listed by GenEd areas in the front of the catalog, and the GenEd courses are listed in numerical order at the beginning of each department section. The two-character GenEd RCI codes appear near the course titles within the course descriptions.

The **Course Renumbering web site**, (<http://renumbering.temple.edu/courses.asp>): Select an area in the "Required Course Identifier (RCI)" box and click "Search" to see a list of all courses offered in that GenEd area.

General Education Policies and Requirements

Incoming first-year students in the fall 2008 must complete GenEd requirements.

Students under the GenEd curriculum must complete a minimum of eleven courses in nine areas.

A GenEd course counts in one GenEd area only.

Core courses will not satisfy GenEd credit for incoming first-year students in fall 2008 or beyond. GenEd students may take Core courses for credits in their major or as electives.

All GenEd course numbers begin with "08XX." GenEd Honors courses begin with "09XX."

Departments, Majors and GenEd

GenEd courses may not be required introductions to a specific major. A GenEd course may be accepted by a major to fulfill elective requirements.

Departments and colleges may not single out a specific GenEd course as a requirement.

A curriculum or degree program may identify a GenEd course as part of an array for its majors. (An array is defined as a set of options from which the student may choose. The array must present at least three options for any one course chosen.)

A student may use no more than two courses from a single department to satisfy GenEd requirements. Foundation courses are excluded.

Grade Change and Repeat Policy

Students may wish to repeat a course in order to earn a higher grade, either to raise their grade point average or to receive a grade required by their major or to meet another requirement, such as achieving the minimum C- required for successful completion of the GenEd curriculum. A repeated course must be graded using the same grading system (pass/fail, credit/no credit, or letter grade) as when originally taken. If an undergraduate student takes a course more than once, (a) all occurrences of the course will appear on the student's transcript, but (b) all grades other than the lowest grade received will be used in calculating the student's grade point average. Credit for a given course will count toward graduation once.

Early Progress Reports

All GenEd course instructors will submit Academic Progress Reports.

Credit/No Credit

Students may not take GenEd courses for credit/no credit.

Withdrawal Policy

During the first two weeks of the fall or spring semester or summer sessions, students may drop a course with no record of the class appearing on the transcript. In weeks three through nine of the fall or spring semester, or during weeks three and four of summer sessions, the student may withdraw with the advisor's permission. The course will be recorded on the transcript with the instructor's notation of "W," indicating that the student withdrew. After week nine of the fall or spring semester, or week four of summer sessions, students may not withdraw from courses.

No student may withdraw from more than five courses during the duration of his/her studies to earn a bachelor's degree.

A student may not withdraw from the same course more than once.

In GenEd, courses may be offered in multiple departments. These courses, regardless of the sponsoring department, are the same course and will have the same number.

General Education Waivers

Quantitative Literacy (GQ)

Students considering undergraduate degrees with advanced mathematical or statistical requirements may satisfy the GenEd Quantitative Literacy requirement through alternative coursework. Consult an academic advisor for details.

Arts (GA)

Students pursuing undergraduate degrees in the Boyer College of Music and Dance and the Tyler School of Art may be exempted from the GenEd Arts requirement upon completion of collegiate requirements. Consult an academic advisor for details.

Science & Technology (GS)

Many majors and programs of study require substantive studies of science to develop the expertise necessary in their fields. The sciences include studies of anatomy and physiology in human health, chemistry as the basis of human health, matter and motion, and natural phenomena. General Education would like to accommodate those students interested in pursuing such studies and have developed, in conjunction with the College of Science & Technology, a number of two-semester course sequences that would exempt students from the GenEd Science & Technology requirement.

Students considering undergraduate degrees with scientific, engineering or technical components may satisfy the GenEd Science & Technology requirement through alternative coursework. Consult an academic advisor for details.

World Society (GG)

An approved summer or semester study abroad program will satisfy the World Society requirement. Consult an academic advisor for details.

Find out more about General Education at www.temple.edu/gened.

Analytical Reading & Writing (GW)

Requirement: One 4-credit hour course.

Writing Placement Exam. The Writing Placement Exam is required for all first-year students, transfer and non-matriculating students who have not successfully completed a credit-bearing, college-level composition course with a grade of C- or better.

The placement exam will indicate if the student should register for English 0701: *Introduction to Academic Discourse*, English 0802: *Analytical Reading & Writing*, or be exempted from the course.

This course should be taken as soon as possible—ideally in the first semester, but certainly in the first year.

Analytical Reading & Writing is intended to teach students how to:

- Organize ideas in a coherent and logical manner;
- Connect multiple texts through an issue or an idea;
- Identify authors' key arguments;
- Create and defend arguments of one's own; and
- Demonstrate correct grammar, syntax and acknowledgment of sources.

Analytical Reading & Writing Courses

- *Analytical Reading & Writing*
- *English as a Second language (ESL) Analytical Reading & Writing*
- *Honors Analytical Reading & Writing*

Arts (GA)

Requirement: One 3-credit or 4-credit hour course.

GenEd Arts courses develop artistic literacy. Courses may be centered on one of the arts (e.g. dance, fine arts, music), may be interdisciplinary in nature (e.g. creative writing and theater, film and dance), or may address larger themes (e.g. creativity, the arts and political statement, technology and the arts), but all Arts courses make some connection to other perspectives, disciplines, or subject areas.

GenEd Arts courses are intended to teach students how to:

- Experience and respond to a work of art or creative process;
- Recognize or interpret a work of art or creative process in its social, historical and cultural context;
- Describe or evaluate a work of art or creative process using appropriate terminology; and
- Appreciate the value of art in our lives and in society.

Arts Courses

Below, you will find the current list of GenEd courses in this area.

Please be advised that GenEd offerings vary from semester to semester and that all GenEd courses will not be offered every semester. For the most current list of GenEd offerings,

please consult [TU Courses](#).

In addition, a single GenEd course may be offered by more than one department. GenEd courses offered by more than one department will have the same course number and the same course title. A student may not take the same course from multiple departments and earn credit toward graduation. However, if a student wishes to replace her/his grade in a GenEd course, s/he may replace the grade with any course bearing the same course number and the same course title regardless of department.

- *Arts in Cultural Context*
- *Arts of the Western World*
- *Creative Acts*
- *Dramatic Imagination*
- *Greek Theater & Society*
- *Honors Art of Sacred Space*
- *Honors Creative Acts*
- *Honors Creative Spirit*
- *Honors Greek Theater & Society*
- *Honors Shakespeare in the Movies*
- *Honors Transnational Cinema*
- *Honors World Musics & Cultures*
- *Jazz Century in America*
- *Philadelphia Arts & Culture*
- *Shakespeare & Music*
- *Shakespeare in the Movies*
- *Shall We Dance*
- *The Art of Acting*
- *The Art of Listening*
- *The Art of Sacred Space*
- *The Creative Spirit*
- *The Meaning of the Arts*
- *The Future of Your TV*
- *Transnational Cinema in Philadelphia*
- *World Musics & Cultures*

Waiver: Students pursuing undergraduate degrees in the Boyer College of Music and Dance and the Tyler School of Art may be exempted from the GenEd Arts requirement upon completion of collegiate requirements. Consult an academic advisor for details.

Global/World Society (GG)

Requirement: One 3-credit hour course.

GenEd World Society courses explore societies and cultures outside of the United States. These courses take one of two approaches. Some concentrate on a single nation or region, examining in depth its political, social, historical, cultural, artistic, literary, geographic, and/or economic landscape. Others investigate globalization and its effects across nations and regions.

World Society courses are intended to teach students how to:

- Understand the influences (e.g., political, social, historical, cultural, artistic, literary, geographic, economic) on world societies or processes (e.g., globalization) linking world societies;
- Develop observations and conclusions about selected themes in world societies and cultures;
- Construct interpretations using evidence and critical analysis;
- Communicate and defend interpretations.

World Society Courses

Below, you will find the current list of GenEd courses in this area.

Please be advised that GenEd offerings vary from semester to semester and that all GenEd courses will not be offered every semester. For the most current list of GenEd offerings, please consult [TU Courses](#).

In addition, a single GenEd course may be offered by more than one department. GenEd courses offered by more than one department will have the same course number and the same course title. A student may not take the same course from multiple departments and earn credit toward graduation. However, if a student wishes to replace her/his grade in a GenEd course, s/he may replace the grade with any course bearing the same course number and the same course title regardless of department.

- *Advertising & Globalization*
- *Border Crossings*
- *Development & Globalization*
- *Gender & World Societies*
- *Global Cities*
- *Global Crisis*
- *Global Slavery*
- *Honors Advertising & Globalization*
- *Honors Development & Globalization*
- *Honors War & Peace*
- *Honors World Performances*
- *Honors World Society in Literature & Film*
- *Honors Women in Modern Bengali Film*
- *Latin American Media*
- *Literature & Culture Central Europe*
- *Religion in the World*
- *State & Society*
- *War & Peace*
- *War in Hazelton*
- *World Affairs*
- *World Performances*
- *World Regions & Cultures*
- *World Society in Literature & Film*

Waiver: An approved summer or semester study abroad program will satisfy the GenEd World Society requirement.

Human Behavior (GB)

Requirement: One 3-credit hour course.

GenEd Human Behavior courses address the relationships between individuals and communities. Courses may focus on the relationship between individuals and communities in general or may engage those relationships from specific perspectives (such as art, music, education, religion, economics, politics or education), or look at them within specific themes (such as food & eating, crime, crisis, sexuality, adolescence).

Human Behavior courses are intended to teach students how to:

- Identify and explain social phenomena;
- Identify and explain different analytical models; and
- Compare and contrast similar social phenomena across individuals or communities.

Human Behavior Courses

Below, you will find the current list of GenEd courses in this area.

Please be advised that GenEd offerings vary from semester to semester and that all GenEd courses will not be offered every semester. For the most current list of GenEd offerings, please consult [TU Courses](#).

In addition, a single GenEd course may be offered by more than one department. GenEd courses offered by more than one department will have the same course number and the same course title. A student may not take the same course from multiple departments and earn credit toward graduation. However, if a student wishes to replace her/his grade in a GenEd course, s/he may replace the grade with any course bearing the same course number and the same course title regardless of department.

- *Asian Behavior & Thought*
- *Criminal Behavior*
- *Disability Identity*
- *Eating Cultures*
- *Human Ecology*
- *Human Sexuality*
- *Identity and Crisis*
- *Language in Society*
- *Workings of the Mind*
- *Youth Cultures*

Mosaic (GY & GZ)

Requirement: *Mosaic: Humanities Seminar I* (3 credits) and *Mosaic: Humanities Seminar II* (3 credits). Students normally should take *Mosaic I* in the semester immediately following the completion of *Analytical Reading & Writing*, and *Mosaic II* immediately after completing *Mosaic I*.

In these small discussion-based classes, students will be guided through a thematic approach to primary texts from great world cultural and intellectual traditions. Themes such as “journeys,” or “faith” or “money” are the basis for reading and understanding a set of important texts from different time periods and different cultures. For example, as students explore the theme of “power,” they will start with Homer’s *Iliad* and the Declaration of Independence. Expanding on this theme, they will read 18th-century political philosopher John Locke and 20th-century American civil rights leader Martin Luther King Jr., while weaving in important texts from China and the Middle East. As students interrogate the theme of “power,” they will be making connections across different time periods, cultures, and types of writing.

The Mosaic sequence will be enhanced by the addition of “texts” from great world musical, artistic and architectural traditions, allowing students to grapple with important themes in a richer multidisciplinary and multicultural fashion.

Mosaic courses build upon the communication and critical thinking skills students developed in the *Analytical Reading & Writing* course, particularly the ability to make connections and arguments across different texts. That is why it is so important to take the *Analytical Reading & Writing* course before taking *Mosaic*.

Upon completion of the Mosaic sequence, students will be able to:

- Read challenging primary texts, and recognize the contemporary and personal connections within them;
- Make connections across fields of study, historical periods and cultural boundaries;
- Create interpretations and construct arguments; and
- Express themselves persuasively in speaking and writing.

Mosaic Courses

- *Mosaic: Humanities Seminar I*
- *Mosaic: Humanities Seminar II*
- *Honors Mosaic: Humanities Seminar I*
- *Honors Mosaic: Humanities Seminar II*

Quantitative Literacy (GQ)

Requirement: One 4-credit hour course.

Math Placement Exam. The Mathematics Placement Exam is required for all first-year students, transfer and non-matriculating students who have not successfully completed a credit-bearing, college-level Math course with a grade of C- or better. The placement exam will indicate if the student may register for either a Quantitative Literacy course or a higher-level math course.

A student placed in Math 0701 is required to complete successfully Math 0701 before enrolling in a GenEd Quantitative Literacy course or GenEd Science & Technology courses, as these courses require students to understand and perform basic computational skills.

GenEd Quantitative Literacy courses present mathematical thinking as a tool for solving everyday problems and as a way of understanding how to represent aspects of a complex world. They are designed to prepare students as citizens and voters to have the ability to think critically about quantitative statements, to recognize when they are misleading or false, and to appreciate how they relate to significant social or political issues. While computation may be part of a Quantitative Literacy course, the primary focus is not computational skills.

Quantitative Literacy courses are intended to teach students how to:

- Become familiar with quantitative models that describe real-world phenomena and be able to recognize limitations of those models;
- Develop an ability to perform simple mathematical computations associated with a quantitative model and make conclusions based on the results; and
- Appreciate mathematical thinking as an important tool for solving a large number of problems that are part of everyday life.

Quantitative Literacy Courses

Below, you will find the current list of GenEd courses in this area.

Please be advised that GenEd offerings vary from semester to semester and that all GenEd courses will not be offered every semester. For the most current list of GenEd offerings, please consult [TU Courses](#).

In addition, a single GenEd course may be offered by more than one department. GenEd courses offered by more than one department will have the same course number and the same course title. A student may not take the same course from multiple departments and earn credit toward graduation. However, if a student wishes to replace her/his grade in a GenEd course, s/he may replace the grade with any course bearing the same course number and the same course title regardless of department.

- *Digital Mapping*
- *Honors Quantitative Methods in the Social Sciences*
- *Honors Math for a Digital World*
- *Honors Mathematical Patterns*
- *Investing for the Future*
- *Math for a Digital World*

- *Mathematical Patterns*
- *Quantitative Methods in the Social Sciences*
- *Statistics & the News*

Waiver: Students considering undergraduate degrees with advanced mathematical or statistical requirements may satisfy the GenEd Quantitative Literacy requirement through alternative coursework. Consult an academic advisor for details.

Race & Diversity (GD)

Requirement: One 3-credit hour course.

Race & Diversity courses develop a sophisticated understanding of race and racism as dynamic concepts, pointing to the ways in which race intersects with other group identifications such as gender, class, ethnicity, religion, age, sexual orientation or disability.

Race & Diversity courses are intended to teach students how to:

- Understand the relationships among diversity, justice and power;
- Investigate the various forms race and racism have taken in different places and times; and
- Discuss race matters with diverse others in relation to personal experience.

Race & Diversity Courses

Below, you will find the current list of GenEd courses in this area.

Please be advised that GenEd offerings vary from semester to semester and that all GenEd courses will not be offered every semester. For the most current list of GenEd offerings, please consult [TU Courses](#).

In addition, a single GenEd course may be offered by more than one department. GenEd courses offered by more than one department will have the same course number and the same course title. A student may not take the same course from multiple departments and earn credit toward graduation. However, if a student wishes to replace her/his grade in a GenEd course, s/he may replace the grade with any course bearing the same course number and the same course title regardless of department.

- *African Americans, Equality and the Law*
- *Classics of African American Theater*
- *Dimensions of Diversity*
- *Embodying Pluralism*
- *Ethnicity & The Immigrant Experience*
- *History & Significance of Race in America*
- *Honors Race & Ethnicity in American Cinema*
- *Honors Race & Poverty in the Americas*
- *Honors Ethnicity & The Immigrant Experience*

- *Honors African Americans, Equality and the Law*
- *Honors Race in the Ancient Mediterranean*
- *Honors Representing Race*
- *Immigration and the American Dream*
- *Politics of Identity*
- *Race & Ethnicity in American Cinema*
- *Race & Identity in Judaism*
- *Race & Poverty in the Americas*
- *Race in the Ancient Mediterranean*
- *Race on the Stage*
- *Representing Race*

Science & Technology (GS)

Requirement: Two 3-credit hour courses.

GenEd Science & Technology courses present scientific process in context, helping students understand how scientific phenomena and/or technological change affects human life and the planet.

Science & Technology courses are intended to teach students how to:

- Understand and describe the scientific process;
- Recognize, use and appreciate scientific or technological thinking for solving everyday problems;
- Understand and communicate how technology encourages the process of discovery in science and related disciplines; and
- Retrieve, organize, and analyze data associated with a scientific or technological model.

Science & Technology Courses

Below, you will find the current list of GenEd courses in this area.

Please be advised that GenEd offerings vary from semester to semester and that all GenEd courses will not be offered every semester. For the most current list of GenEd offerings, please consult [TU Courses](#).

In addition, a single GenEd course may be offered by more than one department. GenEd courses offered by more than one department will have the same course number and the same course title. A student may not take the same course from multiple departments and earn credit toward graduation. However, if a student wishes to replace her/his grade in a GenEd course, s/he may replace the grade with any course bearing the same course number and the same course title regardless of department.

- *Brain Matters*
- *Chemistry of Wine*

- *Cyberspace & Society*
- *Disasters: Geology vs. Hollywood*
- *Evolution and Extinctions*
- *Gender Issues in Science & Technology*
- *Honors: Cyberspace & Society*
- *Honors: The Environment*
- *How Things Work*
- *Nature Has No Reverse*
- *Powering the Future*
- *Sustainable Design*
- *Sustainable Environments*
- *Technology Transformations*
- *The Bionic Human*
- *The Environment*
- *The Science of Sound*
- *Universe as We Know It*

Waiver: Students considering undergraduate degrees with scientific, engineering or technical components may satisfy the GenEd Science & Technology requirement through alternative coursework. Consult an academic advisor for details.

U.S. Society (GU)

Requirement: One 3-credit hour course.

GenEd U.S. Society courses strengthen students' understanding of the history, society, culture and political systems of the United States.

They are intended to teach students how to:

- Interpret historical, analytical and cultural materials, and articulate their own point of view about those materials;
- Develop observations and conclusions about selected themes in U.S. society and culture; and
- Analyze the ways difference and heterogeneity have shaped the culture and society of the U.S.

U.S. Society Courses

Below, you will find the current list of GenEd courses in this area.

Please be advised that GenEd offerings vary from semester to semester and that all GenEd courses will not be offered every semester. For the most current list of GenEd offerings, please consult [TU Courses](#).

In addition, a single GenEd course may be offered by more than one department. GenEd courses offered by more than one department will have the same course number and the same course title. A student may not take the same course from multiple departments and earn

credit toward graduation. However, if a student wishes to replace her/his grade in a GenEd course, s/he may replace the grade with any course bearing the same course number and the same course title regardless of department.

- *American Military Culture*
- *American Revolutions*
- *Contemporary American Social Movements*
- *Dissent in America*
- *Doing Justice*
- *Education in the Global City*
- *Gender in America*
- *Higher Education & American Life*
- *Honors Contemporary American Social Movements*
- *Honors Law and American Society*
- *Honors Dissent in America*
- *Honors Doing Justice*
- *Honors Religion in Philadelphia*
- *Landscape of American Thought*
- *Law and American Society*
- *People, Places & The Environment*
- *Religion in Philadelphia*
- *Sport & Leisure in American Society*
- *The American Economy*
- *The Making of American Society*
- *Urban Dynamics*

THE CORE CURRICULUM

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All transfer students admitted to Temple University in the 2008-2009 academic year are required to complete the Core Curriculum. Freshman admitted Fall 2008 and after follow the General Education ([GenEd](#)) requirements.

The Core Curriculum is currently Temple University's liberal education requirements for all undergraduate students who were admitted to Temple prior to Fall 2008 and all transfer students*. It guides students in taking a set of courses, many of them chosen by the student from lists of approved courses. The Core, in combination with a major field of study, is intended to provide the intellectual skills and the knowledge needed for academic success in college and provide a useful education for one's career, citizenship, and personal life.

*Please note that new freshman follow the GenEd Curriculum. While transfer students can take GenEd courses to satisfy Core requirements, all transfer students are required to complete Core, not GenEd.

Overview of the Core Curriculum

The world changes, experience changes, networks grow, dot-coms come and go. Where does college take you?

No matter how fast the world changes, your education will provide you with an experience that will make you grow and change at the same time, and you will always be able to rely on it. When we speak of liberal education, we mean learning that will endure: broad acquaintances with areas of knowledge and experience that will help you live well, using your intellectual powers, imagination, and judgment. A liberal education prepares you to deal with a rapidly-changing world. It prepares you for leadership and responsibility in the vocational, social, and personal areas of your life. It enables you to keep on learning throughout your life.

A liberal education is bigger than the sum of its parts. Core curriculum, major, and elective courses; internship, volunteer, and other learning experiences; the social milieu of the campus--all come together to give you something full, whole, integrated. A liberal education happens inside and outside the classroom as you meet and learn with a diverse array of peers and teachers. This is the kind of learning that enhances experience in all dimensions of life. It's the kind of education a degree from Temple University represents.

The Core Curriculum is one part of that education. The Core courses will teach students how to use language effectively, handle quantitative data, and appreciate the creative arts; students will also gain an understanding of the nature of scientific inquiry and the impact of technology on society, the history and culture of the United States and of other societies, the differences between individual and communal needs, and the many ways in which race and racism affect all of us. Each Core area focuses on one of these goals, but courses and experiences in other Core areas and in the majors build upon and reinforce Core skills and knowledge. All undergraduate students who were admitted to Temple prior to Fall 2008 and all transfer students who are admitted to Temple prior to Fall 2010 complete some form of the Core Curriculum.

Students entering Temple as transfer students with fewer than 45 transfer credits complete these Core requirements:

- Temple Information Literacy Tutorial (TILT) (formerly known as Library Skills) - 0 s.h.
- Analytical Reading and Writing - 4 s.h.
- Intellectual Heritage - 6 s.h.
- American Culture - 3 s.h.
- The Arts - 3 s.h.
- The Individual and Society - 3 s.h.
- International Studies/Language - 3-6 s.h.
- Quantitative Reasoning - 6-8 s.h.

- Science/Technology - 6-8 s.h.
- Studies in Race - 3 s.h.
- Additional Writing-Intensive Courses* - 3-9 s.h.

Total Core Credits = 40-52**

* Three Writing-Intensive courses are required in addition to the two Writing-Intensive Intellectual Heritage courses. The three additional courses include Writing-Intensive courses required by the student's major and an additional approved Writing-Intensive course.

** The total number of Core credits varies as a result of courses that may satisfy multiple Core areas. Additionally, the results of placement tests and options in the International Studies area may result in lower numbers of required courses and credits.

Advanced transfer students satisfy the Core through either the [45+ Transfer Core](#) or [Core-to-Core Transfer](#) and should go to the [Core Transfer Programs](#) page for information on these versions of the Core.

Highly-motivated students who seek especially challenging courses may wish to apply for admission to the [University Honors Program](#), which offers special Honors courses that meet Core requirements.

Core Information

Each Core area has a list of courses approved as satisfying the requirements for that area. Descriptions of the Core areas and their approved courses can be found by clicking on the links under the Core Areas menu to the left. Although Core courses no longer offered by departments do not appear in these lists, students who took them continue to receive Core credit for them, as indicated in their DARS document. Questions about the past, present, or future Core status of a course can be answered by the Office of the Senior Vice Provost for Undergraduate Studies.

In addition to the approved Core course lists, students *required to complete* any version of the Core Curriculum can use GenEd courses to satisfy the Core equivalent area. For more information about using GenEd courses to satisfy Core requirements, click [here](#).

Descriptions of Core and GenEd courses are available in the printed *Undergraduate Course Descriptions* catalog published each spring before the registration period for fall courses, and online through the web version of this *Bulletin* (www.temple.edu/bulletin/ugradbulletin/ucd/ucdtoc.html). Because not all approved courses are offered every semester, each semester's *Guide to Registration* contains a list of Core and GenEd courses being taught that term. Lists of newly-approved Core courses, other changes and notices, additional information about the Core, and an e-mail link for questions are available on the Core web site (www.temple.edu/vpus/ucc/index.htm).

Finding a Core Course

Writing-intensive courses are identified by their course numbers. Any course ending in "96," "97," or "98" is an approved Writing-intensive course.

Current students can find courses that fulfill other Core areas by using the following tools:

- [OWLnet](#): Click on the "Register/Roster" tab, then click on the "find a course" button and choose a department. The two-character Core code for a course appears in the "Core Course ID (RCI)" column.
- The [Course Schedule](#): Select a semester, then select a department and a Core area to display.
- The Course Descriptions catalog (both in print and [online](#)): The Core courses are listed by Core areas in the front of the catalog, plus the two-character Core codes appear near the course titles within the course descriptions.
- The Course Renumbering web site (<http://renumbering.temple.edu/courses.asp>): Select a Core area in the "Required Course Identifier (RCI)" box and click "Search" to see a list of all of the Core courses offered in that area.

Some courses exist in several Core versions, or in Core and non-Core versions. The two-character Core codes indicate the version of a course.

RCI - Required Course Identifier - Shows which Core requirement(s) a course fulfills:

Core RCIs

AC - American Culture

AR - The Arts

CO/GW - Composition/Analytical Reading & Writing

IA/GY, IB/GZ - Intellectual Heritage

IN - The Individual and Society

IS - International Studies

LA, LB, LC - Language

QA - Quantitative Reasoning, First Level

QB - Quantitative Reasoning, Second Level

RA* - Studies in Race and the Arts

RC - Studies in Race and Composition

RG* - Studies in Race and International Studies

RN* - Studies in Race and Individual and Society

RS - Studies in Race

RU* - Studies in Race and American Culture

SA - Science and Technology, First Level

SB - Science and Technology, Second Level

WI - Writing-Intensive

WR - Studies in Race and Writing-Intensive

XA - The Arts, Studies in Race, and Writing-Intensive

XC - American Culture, Studies in Race, and Writing-Intensive

XN - The Individual and Society, Studies in Race, and Writing-Intensive

XS - International Studies, Studies in Race, and Writing-Intensive

*added to accommodate new numbering system.

GenEd RCIs

GW - Analytical Reading & Writing

GY, GZ - Mosaic

GA - Arts

GB - Human Behavior

GG - World Society

GU - U.S. Society

GD - Race & Diversity

GS - Science & Technology

GQ - Quantitative Literacy

Important Core Policies for All Students

- All Core courses must be completed with a grade of C- or higher to satisfy a Core requirement.
- Core courses cannot be taken for credit/no credit. See [Credit/No Credit Courses](#).
- Students may not complete requirements in more than two Core areas with courses in their major fields. This restriction does not apply to writing-intensive courses that are not also in a Core area or Studies in Race courses that are not also in another Core area.
- The three-semester sequence of *Analytical Reading & Writing* (English 0802, 0812, or 0902) and the two Intellectual Heritage courses (0851 or 0951, and 0852 or 0952) is intended to serve as the foundation of the Core curriculum at Temple and to provide students with the skills and knowledge necessary for successful completion of other Core requirements. To make the most of these opportunities, students should take these courses as soon as possible after entering Temple, in order, and immediately after one another.
- In two Core areas, 1) Quantitative Reasoning and 2) Science and Technology, students should not take a second-level (B) course until they have completed an appropriate prerequisite first-level (A) course with a grade of C- or higher. Students should check with their advisors for the A-B sequences appropriate for their program of study. However, the policy on transfer of Core science courses applies to all students with transfer credits in science (see [Science and Technology](#)).
- Students who are candidates for a Bachelor of Arts degree in the College of Liberal Arts, College of Science and Technology, Tyler School of Art, and Communication Sciences and Disorders majors within the College of Health Professions are required by their college to complete both the foreign language and the International Studies components of the Core (see [International Studies or Language](#)).

Core Transfer Programs

In general, students transferring into Temple should be aware of:

- The policy on academic residency that requires 30 of the last 45 credits to be taken at Temple. See [Academic Residency](#).

- The policy on graduation with honors that requires that at least 60 credits be taken as a matriculated student at Temple. See [Honors](#).
- Temple's policies regarding the transfer of academic credit. See Admissions: [Transfer Credit](#).
- The fact that the following Core policies for transfer students relate only to the university Core requirements. All requirements of Temple's schools and colleges and major programs of study remain in force, even if they include Core courses.

45+ Transfer Core

Transfer students admitted to Temple for and after Fall 1997 with 45 or more credits for courses taken elsewhere (and without an Associate's degree approved for Core-to-Core Transfer) complete the 45+ Transfer Core. All the requirements in this version of the Core may be met either with equivalent transfer courses or with Core courses taken at Temple--with the exception of the two writing-intensive courses, which must be taken at Temple.

NOTE: An Intellectual Heritage course taken at Temple to satisfy the 45+ requirement for one Intellectual Heritage course cannot be used as one of the two writing-intensive courses at Temple. However, a second IH at Temple may be used as one of those WI courses.

- Temple Information Literacy Tutorial (0 credits)
- College Composition (Temple's English 1002, 1012, 1022, 0802, 0812 or equivalent - one course, 3 or 4 credits)
- Two Writing-Intensive courses, not including Intellectual Heritage, taken at Temple (6 credits)
- One Core Intellectual Heritage course (Temple's IH 1196, 1297, 0851, 0852, or equivalent - 3 credits)
- One Core International Studies course (either regular or "Non-Western/Third World") or a language to the second semester (1002 or equivalent) level (3-4 credits)
- One Mathematics or Statistics course (a Core-level course - 3-4 credits)
- One course in the natural sciences with a laboratory component (Biology, Botany, Chemistry, Earth and Environmental Science, Physics, or interdisciplinary science); or a direct transfer equivalent of a Temple Core "Science/Technology A" course; or, if taken at Temple, a Core "SA" course with a lab) (3-4 credits)
 - *Beginning Fall 2008, students who transferred 45 or more credits to Temple and have completed any Science course in transfer (elective, SA or SB) and still need to complete the 45+ Science requirement can complete any SA or SB at Temple to satisfy the 45+ Science and Technology requirement. A DARS exception will need to be completed when students choose courses other than the approved 45+ SA options.*
- One Core Studies in Race course (3 credits)
- One course each in two of these Core areas: American Culture, Arts, or Individual and Society (6 credits)

Transfer Credits for 45+

The 45+ Transfer Core is designed for students who have taken a significant number of courses elsewhere before entering Temple. All college-level courses considered transferable by the Temple Office of Undergraduate Admissions, including those for which evaluation is not complete until after the student begins at Temple, will be counted toward the 45 credit minimum, when they meet either of the following sets of conditions.

1. **For students new to Temple:** The courses have been taken elsewhere before the student matriculates at Temple.
2. **For readmitted students:** 45 or more transferable credits have been taken elsewhere since the student's last date of enrollment at Temple and before the date of the student's return to Temple.
3. **For both groups of students:**
 - Advanced Placement credits are counted toward eligibility for the 45+ Transfer Core if the student also has transfer courses from another college or university.
 - Credits for prior CLEP exams are counted toward eligibility for the 45+ Transfer Core if the student also has transfer courses from another college or university. Scores must meet the Temple credit-granting standards and be approved by the Temple school or college that offers the equivalent course (see [Credit for Prior Learning](#)).
 - Courses taken at Temple as a non-matriculated student are not counted toward eligibility for the 45+ Transfer Core.
 - Courses taken elsewhere by students once they are at Temple, with the permission of the student's Temple school or college, are not counted toward eligibility for the 45+ Transfer Core.

45+ Transfer Core Policies

Transfer students should be aware that this Core policy relates only to university Core requirements. All requirements of Temple's schools and colleges and major programs of study remain in force, even if they include Core courses. Students should consult the appropriate sections of this *Bulletin* and their academic advisors about school/college and major requirements.

A 45+ Transfer Core version of the Degree Audit Reporting System (DARS) document is produced automatically for eligible students who are entering Temple for the first time. For eligible readmitted students to receive a 45+ Transfer Core DARS document, a Temple academic advisor must post the 45+ event in the student's ISIS record.

Regular Temple Core policies apply to these requirements and the courses they involve unless otherwise stipulated above (see Admissions: [Transfer Credit](#)). For example, it is still the case that:

- The College Composition requirement may be met by placing out of Temple's College Composition through a placement test or by transferring in the equivalent of Temple's College Composition course. Students should check with their advisor if they are unsure whether they have met this Core requirement.

- One of the writing-intensive courses taken at Temple will be the capstone course in the student's major.
- The International Studies requirement also may be met by placing above the second semester (1002 or equivalent) level of a language through a placement test or by participating in an approved Study Abroad program.
- Some Studies in Race and Writing-Intensive courses may also fulfill another Core requirement.
- Initial evaluation of transfer credits will be made in the Temple Office of Undergraduate Admissions. Re-evaluation of credits will be done by the Temple Admissions Office and academic advisors, in consultation with the Assistant Vice Provost for First Year and Transfer Programs when necessary, according to standard Temple policies and procedures.
- The dean or dean's designee of a student's Temple school or college has final authority over interpretations and decisions regarding these requirements, in consultation with the Assistant Vice Provost for First Year and Transfer Programs.

Core-To-Core Transfer

Core-to-Core Transfer agreements with community colleges accept the general education included in approved Associate degrees in place of Temple's Core Curriculum. Students entering Temple with an approved degree have met all of the Core requirements except two writing-intensive courses to be taken at Temple (one of which is normally the advanced writing capstone in the major). Students who previously attended Temple and have received an Associate's degree approved for Core-to-Core since their last enrollment at Temple are eligible for Core-to-Core Transfer.

Core-to-Core Transfer students are identified upon admission to or enrollment in the university and their fulfillment of the Core by Core-to-Core Transfer is noted on pertinent student records. Eligible students should be sure that a final transcript, indicating receipt of the Associate's degree, is available to their Temple advisors at their first advising appointment. Advisors can then make sure that Core-to-Core status is noted in the students' records.

This Core policy relates only to university Core requirements. All the requirements of Temple's schools and colleges and major programs of study remain in force and are not affected by this policy, including any that involve Core courses but differ from the University Core Curriculum requirements. Students should consult the appropriate sections of this *Bulletin*, and their academic advisors, about school/college and major requirements.

These are the conditions for Core-to-Core Transfer from specific community colleges:

Bucks County Community College: Any Associate of Art degree in a program the student entered in Fall 1994 or after. Effective for students entering Temple for the first time for Spring 1998 and after.

Burlington County College: Any Associate of Arts or Associate of Science degree in a program the student entered in Fall 1995 or after. Effective for students entering Temple for the first time

for Fall 1999 and after. Associate in Applied Science degrees are not approved for Core-to-Core Transfer.

Camden County College: One of the following degrees received in or after 1980: An Associate in Arts: any Liberal Arts and Sciences option or an Associate in Science: any Liberal Arts and Sciences option, Criminal Justice, Elementary/Secondary Education, and Human Services. Students with the Associate in Science degree in Engineering are eligible for Core-to-Core Transfer if and only if they are certified to Temple's Assistant Vice Provost for First Year and Transfer Programs by the county college as having taken the proper combination and number of general education courses. Effective for students entering Temple for the first time for Fall 1999 and after. Associate in Applied Science degrees are not approved for Core-to-Core Transfer.

Delaware County Community College: One of the following degrees received after 1970: Associate in Arts or Associate in Science degree in Behavioral Science, Business Administration, Communication Arts, Computer Information Systems (as of Fall 2000), Education, Liberal Arts, or Natural Science. Students with the Associate in Science degree in Science for Health Professions or Associate in Science in Engineering (as revised in Fall 2005) are eligible for Core-to-Core Transfer if and only if they are certified to Temple's Assistant Vice Provost for First Year and Transfer Programs by the community college's Career and Transfer Office as having taken the proper combination and number of general education courses. Effective for students entering Temple for the first time for Spring 1998 and after. Associate in Applied Science degrees are not approved for Core-to-Core Transfer.

Gloucester County College: One of the following degrees received in or after May 1985: Any Associate of Arts; Associate of Science in these fields if and only if the county college certifies to Temple's Office of First Year and Transfer Programs that the student has taken the correct distribution of courses: Arts and Science, Biology, Business Administration, Chemistry, or Human Development. Effective for students entering Temple for the first time for Spring 2001 and after. Other Associate in Science degrees, and Associate in Applied Science degrees, are not approved for Core-to-Core Transfer.

Harrisburg Area Community College: Any Associate in Arts or Associate in Science degree in a college-parallel program that includes the community college's revised general education requirements for transfer curricula enacted for Fall 1999. Effective for students entering Temple for the first time for Spring 2000 and after. No other degrees are approved for Core-to-Core Transfer.

Lehigh Carbon Community College: One of the following degrees, received at any time: Associate in Arts in Business Administration or Social Sciences; Associate in Science in Engineering or Natural Science/Physical Science Option. One of the following Associate in Arts Degrees, received at any time, if and only if the student is certified to Temple's Office of First Year and Transfer Programs by the community college as having taken a mathematics course at a level appropriate to Temple's Core (LCCC Math 120, 125, 130, 135 or 150 or higher): Education, Fine Arts/Studio Arts, Graphic Design, Humanities and Arts, Liberal Arts, or Special Education. One of the following Associate in Science degrees, received at any time, if and only if the student is certified to Temple's Office of First Year and Transfer Programs by LCCC as

having used an elective requirement to take an additional course in the arts, humanities, or social sciences: Computer Science, Mathematics, Mechanical Engineering Technology, or Natural Science/Life Science Option. The following Associate in Science degree in Sports Management, if and only if the student is certified to Temple's Office of First Year and Transfer Programs by LCCC as having taken a mathematics course at a level appropriate to Temple's Core (LCCC Math 120, 125, 130, 135, or 150 and higher). Effective for students entering Temple for the first time for Fall 2002 and after. Associate in Applied Science degrees are not approved for Core-to-Core Transfer.

Mercer County Community College: A degree in any of these programs, if it includes the general education requirements put into effect in Fall 1999, and if the student entered the program in Fall 1999 or after: Any Associate of Arts; Associate in Science in Architecture, Aviation Management, Business Administration, or Criminal Justice; Associate in Fine Arts (A.F.A.) in Art History, Ceramics/Sculpture, or Fine Arts. Effective for students entering Temple for the first time for Spring 2001 and after. Other Associate of Science degrees and Associate in Applied Science degrees are not approved for Core-to-Core Transfer.

Montgomery County Community College: Any Associate in Arts or Associate in Science degree received in or after 1990. Effective for students entering Temple for the first time for Spring 1998 and after. Earlier A.A. or A.S. degrees can be considered for inclusion on appeal. Associate in Applied Science and Associate in General Studies degrees are not approved for Core-to-Core Transfer.

Northampton Community College: Any Associate in Arts or Associate in Science degree in a program the student entered in Fall 1993 or after. Students with an Associate in Applied Science degree are eligible for Core-to-Core Transfer if and only if they are certified to Temple's Assistant Vice Provost for First Year and Transfer Programs by the community college as having taken the proper combination and number of general education courses. Effective for students entering Temple for the first time for Spring 2000 and after.

Community College of Philadelphia: Any Associate in Arts or Associate in Science degree received in a program the student entered in Fall 1996 or after (and therefore satisfying the Dimensions requirements). Effective for students entering Temple for the first time for Spring 1999 and after. Associate in General Studies and Associate of Applied Science degrees are not approved for Core-to-Core Transfer.

Temple Information Literacy Tutorial: TILT

Requirement: Completion of the online Temple Information Literacy Tutorial (TILT).

TILT is an online tutorial designed to provide an introduction to searching, accessing, and evaluating information using library resources. Completion of the tutorial is a requirement for all first-year and transfer students.

TILT consists of an introduction and three modules. Each module features an introduction, a list of key concepts and skills, a series of lessons and interactions, and a quiz. Students can access TILT at http://library.temple.edu/services/library_instruction/tilt/intro/splash.htm.

Composition/Writing & the University Writing Program

Core Composition/Writing Requirement:

The *College Composition* (English 1002, 1012, 1022, or 1977) courses have been replaced with *Analytical Reading & Writing* (English 0802, 0812, or 0902) effective Fall 2008.

The Core Composition/Writing requirement includes *Analytical Reading & Writing* and five designated Writing-Intensive courses.

The ability to use language properly, effectively, and persuasively is a basic skill needed throughout one's academic career and beyond. Developing students' writing ability is therefore an essential part of the Core Curriculum. Basic writing skills are the explicit focus of *Analytical Reading & Writing* (AR&W), an introductory course required of all students (except those exempted by placement testing) in the first semester in which they are eligible. AR&W prepares students for university-level writing standards and for the further development of their skills as they move into advanced work. It should be taken before any Writing-Intensive course.

After AR&W, students take five Writing-Intensive courses. (Advanced transfer students should see [Core Transfer Programs](#) for their Core writing requirements.) In all Writing-Intensive courses, students learn the conventions and the kinds of writing used in the course's discipline. In many cases, students will submit first drafts and then revisions of their written work.

Two of the five Writing-Intensive courses are Intellectual Heritage 0851 or 0951 and 0852 or 0952 (see [Intellectual Heritage](#)).

Notes:

- *All students transferring into Temple must take at least two of their Writing-Intensive courses at Temple. Intellectual Heritage courses cannot be used to meet this transfer Writing requirement, except by students eligible for the 45+ Transfer Core who choose to take a second IH course, and students eligible for Core-to-Core Transfer.*
- *Students who have successfully completed English 1002, 1012, 1022, 0802, 0812, or 0902 cannot take English 0701 (formerly 0040) or 0711 (formerly 0041) for credit, unless they provide written permission from their respective college dean and their advising director prior to the beginning of the semester in question.*

Another kind of Writing-Intensive course, taken by all undergraduates, is the designated writing capstone in the student's major. Each department designates the capstone course(s) required for its majors, and these are identified in the list of [Writing-Intensive courses](#). Students should check with their department's undergraduate advisor for further information on capstone courses.

The remaining two Writing-Intensive courses may be required by the major or chosen by the student. Some Writing-Intensive courses also fulfill other Core requirements, some are general electives, and others may be courses in the student's major. Writing-Intensive courses that also fulfill other Core requirements are included in the lists of courses approved for the various Core areas.

The Writing-Intensive courses--those that are not also in another Core area--are offered by departments throughout the university. They incorporate a significant amount of writing (at least 10 pages in at least two different assignments) within the context of disciplinary work. They highlight the conventions and argumentation accepted in the discipline, and they require at least one revision based on response from a professor, TA, writing associate, or peer-reviewer.

The University Writing Program

The University Writing Program consists of the [First Year Writing Program](#), other writing components of the undergraduate Core Curriculum, the [University Writing Center](#), and New City Writing: Institute for the Study of Literature, Literacy, and Culture.

In the Core, the Writing Program combines an entrance-level introduction to academic discourse with writing courses in the disciplines at every level to provide Temple students a comprehensive experience writing to learn and learning to write.

For further information, see the First Year Writing Program's web site at www.temple.edu/english/fywp/.

Intellectual Heritage

The *Intellectual Heritage I* and *II* courses (IH 1196, 1297, 1996, and 1997) have been replaced with *Mosaic I* and *II* (IH 0851, 0852, 0951, and 0952) effective Fall 2008.

Prerequisite: *College Composition* (English 1002, 1012, 1022, or 1977) or *Analytical Reading & Writing* (English 0802, 0812, 0902) or its equivalent.

Requirement: Intellectual Heritage 0851 or 0951 (3 credits) and Intellectual Heritage 0852 or 0952 (3 credits). Students normally should take Intellectual Heritage 0851 or 0951 in the semester immediately following the completion of *Analytical Reading & Writing*, and Intellectual Heritage 0852 or 0952 immediately after completing 0851 or 0951.

Intellectual Heritage, the most distinctive feature of Temple's Core Curriculum, is a required writing-intensive, two-semester course sequence introducing students to "seedbed texts" in the western intellectual tradition, from ancient Greece to the Bible through the twentieth century.

These are case study courses, not surveys. Students read primary texts in depth, building reading and interpretative skills. Lectures and class discussions provide historical and cultural background, but the emphasis is on analysis. The interdisciplinary structure of the courses -- with readings drawn from diverse cultures and time periods and reflecting different methodologies --

encourages students to seek out common elements and to discern the ways in which cultures and texts remain unique and irreconcilable.

Intellectual Heritage constitutes two of the five writing-intensive courses required in the Core Curriculum. In addition to essay examinations, students complete several papers or other written assignments.

Course #	Course Name	Credits
IH 0851	Mosaic: Humanities Seminar I	3
IH 0852	Mosaic: Humanities Seminar II	3
IH 0951	Honors Mosaic: Humanities Seminar I	3
IH 0952	Honors Mosaic: Humanities Seminar II	3

American Culture

Courses in American Culture introduce Temple students to the serious study of those aspects of our culture that are uniquely American. Some courses deal with American culture in general, while others focus on particular aspects of American life. A portion of all courses in this category is devoted to the unique experiences, achievements, and contributions of ethnic minorities and women in American life.

Requirement: One 3-credit course from this list.

Note: Core courses no longer offered by departments have been removed from this list, but students who took them will receive Core credit, as indicated in their DARS document. Questions about Core courses can be answered by the Office of the Senior Vice Provost for Undergraduate Studies.

Course #	Course Name	Credits
African American Studies		
1268	African American History since 1900	3
American Studies		
1001	American Lives	3
1042	Work in America	3
1901	Honors American Lives	3
2901	Honors Quest for the American Dream	3
Anthropology		
1064	American Culture	3
Education		
1176/1196	Education and Schooling in America	3
English		
1301	American Literature	3
1904	Honors American Literature	3
Geography & Urban Studies		

2071	Geography of United States and Canada	3
History		
1101	U.S. History to 1877	3
1102	U.S. History since 1877	3
1901	Honors U.S. History to 1877	3
1902	Honors U.S. History since 1877	3
Music Studies		
1704	Music in American Society	3
Philosophy		
1063	American Thinkers	3
Political Science		
1101	American Political System	3
1911	Honors Introduction to American Politics	3
Social Work		
2003	History and Values of Social Welfare	3
Strategic & Organizational Communication		
2296	Campaigns and Movements in America	3
2996	Honors Campaigns and Movements in America	3
Tourism & Hospitality Management		
1496	Leisure in American Culture	3
Tyler		
1197	Art, Race, and the American Experience	3
Women's Studies		
1101/1197	American Women's Lives	3

The Arts

Works of art - painting, sculpture, architecture, music, theater, dance, literature - are among the most significant representations of the cultures that produce them. Through the integration of intuitive and intellectual responses, students gain sensitivity to the expressiveness of the Arts. Core Arts courses also suggest the wider implications of art in historical and social contexts.

Requirement: One 3-credit course from this list.

Note: Core courses no longer offered by departments have been removed from this list, but students who took them will receive Core credit, as indicated in their DARS document. Questions about Core courses can be answered by the Office of the Senior Vice Provost for Undergraduate Studies.

Course #	Course Name	Credits
Architecture		
1001	Introduction to Design and the Environment	3
1017	Photography and Visual Literacy	3
1196	History of Form of Cities	3

1996	Honors History of Form of Cities	3
2141	Architectural History: Ancient through Renaissance	3
2142	Architectural History: Renaissance through 20th Century	3
2941	Honors Architectural History: Ancient through Renaissance	3
2942	Honors Architectural History: Renaissance through 20th Century	3
Art		
1101	Introduction to Visual Language: Painting	3
1201	Introduction to Visual Language: 3-D Design	3
1401/1496	Introduction to Visual Language: Drawing	3
1501	Introduction to Visual Language: Design	3
1996	Honors Introduction to Visual Language: Drawing	3
Art History		
1003	History of Art in Rome (taught only in Rome)	4
1155	Art Heritage of the Western World I	3
1156	Art Heritage of the Western World II	3
1801	Arts of Asia	3
1955	Honors Art Heritage of the Western World I	3
1956	Honors Art Heritage of the Western World II	3
2990	Honors Special Topics	3
Asian Studies		
1802	Arts of Asia	3
Dance		
2801	Dance as Art	3
2802	Pathways in American Dance	3
2901	Honors Entry to Dance as Art	3
English		
1131	Introduction to Drama	3
1197	Introduction to Literature	3
1902	Honors Introduction to Literature	3
1903	Honors Introduction to Drama	3
Greek & Roman Classics		
1003	Greek Drama and Greek Culture	3
1903	Honors Greek Drama and Greek Culture	3
Horticulture		
1651	Art of Floral Design I	3
Music Studies		
1711	Theory I	4
1761	Introduction to Music	3
1961	Honors Introduction to Music	3
Philosophy		
1061	Art and Society	3
Religion		
1004	Religion and the Arts	3

Theater		
1002	Theater: The Collaborative Art	3
1201	Acting for Non Majors (offered at Temple University Japan campus only)	3

Individual & Society

Core Individual and Society courses involve the study of contemporary society. Topics include political and economic organizations, social development, problems faced by minority groups, relationships between individuals, and the rights and responsibilities that accompany membership in a community.

Requirement: One 3-credit course from this list.

Note: Core courses no longer offered by departments have been removed from this list, but students who took them will receive Core credit, as indicated in their DARS document. Questions about Core courses can be answered by the Office of the Senior Vice Provost for Undergraduate Studies.

Course #	Course Name	Credits
Anthropology		
1062	Introduction to Anthropology	3
Criminal Justice		
1001	Introduction to Criminal Justice	3
1901	Honors Introduction to Criminal Justice	3
Economics		
1001	Introduction to the Economy (formerly C050 & C053)	3
1101	Macroeconomic Principles	3
1102	Microeconomic Principles	3
1901	Honors Macroeconomic Principles	3
1902	Honors Microeconomic Principles	3
Environmental Studies		
1051	Environment and Society (cross-listed with Geography & Urban Studies 1051)	3
Geography & Urban Studies		
1021	Urban Society: Race, Class, and Community	3
1051	Environment and Society (cross-listed with Environmental Studies 1051)	3
1951	Honors Environment and Society	3
Healthcare		
3501	Introduction to Healthcare Management	3
Health Related Professions		
1101	Contemporary Aspects of Disability	3
Journalism		
1111	Journalism and Society	3

Law S.B.M.		
1001	Law in Society (offered at Temple University Japan campus only)	3
Philosophy		
1001	Philosophical Challenges to the Individual	3
1062	Morality and the Law	3
1962	Honors Morality and the Law	3
Political Science		
1103	The Individual, Race, and American Political Life	3
Psychology		
1061	Psychology as a Social Science (formerly C060 & C050)	3
1996	Honors Psychology as a Social Science	3
Religion		
1001	Religion and Society	3
Social Work		
3007	Human Behavior in the Social Environment	3
Sociology		
1166	Money: Who Has It, Who Doesn't, Why It Matters	3
1176/1196	Introduction to Sociology	3
1376	Sociology of Race and Racism (offered at Temple University Japan only)	3
1996	Honors Introduction to Sociology	3
Women's Studies		
1076/1096	Introduction to Women's Studies	3

International Studies or Language

Developing an awareness and understanding of cultures other than one's own is a fundamental component of a liberal education. In the International Studies or Language area of the Core, students study a language other than English, study cultures outside the United States, combine language study and International Studies courses, or study abroad.

Requirement: Students who matriculated as freshmen in fall 1996 (having completed fewer than 15 semester hours before then) through spring 2008 and transfer students matriculating as Temple undergraduates in fall 1996 and after, who are not classified as Core-to-Core, satisfy the requirement with any one of the options listed below.

Students who entered Temple before the fall of 1996 satisfy the Language or International Studies requirement in effect at the time they first matriculated.

Notes:

The first, second, and third levels of all basic language study are numbered 1001, 1002, and 1003, respectively (except in the equivalent intermediate 2001 level of Arabic, Chinese, Classical Greek, Hebrew, Hindi, Japanese, Korean, Latin, Modern Greek, Russian or Vietnamese).

For the purposes of meeting this Core requirement, placing into a course through Temple's language placement exam indicates satisfactory completion of the previous level (for example, a student who has placed into 1003 is considered to have completed 1002).

INTERNATIONAL STUDIES OR LANGUAGE OPTIONS:

- **Language option:** Successful completion of the third semester of a language (1003 for French, German, Italian, Spanish, and Portuguese; or the equivalent intermediate 2001 level of Arabic, Chinese, Classical Greek, Hebrew, Hindi, Japanese, Korean, Latin, Modern Greek, Russian or Vietnamese). Students whose native language is not English may fulfill this requirement by treating English as a foreign language and completing all Core composition and writing intensive requirements. Students in this category present the Test of English as a Foreign Language (TOEFL) scores with the admissions application.
- **International Studies option (revised March 2007):** Successful completion of two 3-credit courses from the list below.
- **Combination option:** Successful completion of the second semester (1002 of a language) and one 3-credit International Studies course from the list below.
- **Study abroad option (revised March 2007):** Students may substitute courses taken in an approved study abroad experience for one or both of the Core International Studies courses. Such programs as Temple University Rome, Temple University Japan, Temple in West Africa, the School of Communications and Theater program in London, the Latin American Studies Semester, and pre-approved summer programs qualify. Students who take 3 credits in an approved study abroad program fulfill the equivalent of one IS Core course requirements, and those who take 6 credits fulfill the equivalent of two IS Core course requirements. Students who wish to fulfill their International Studies requirement with courses taken in a study abroad program should inquire and consult about this with an academic advisor in their school or college. See [International Programs and Study Abroad](#) for information on Temple's and other study abroad programs.

PLEASE NOTE COLLEGE/DEPARTMENTAL REQUIREMENTS:

Bachelor of Arts candidates in Communication Sciences and Disorders are required by their department to complete both a foreign language requirement and a non-western International Studies course requirement. **This requirement has not been revised.**

Bachelor of Arts candidates in the College of Liberal Arts, College of Science and Technology, Tyler School of Art, and College of Health Professions' Communication Sciences majors are required by their college to complete both a foreign language requirement **and** an International Studies course requirement. The revised options for these students are as follows:

- **Option 1 – REVISED** - Successful completion of the second semester 1002/0052 of a language **and** two 3-credit courses from the approved International Studies list. Students are no longer required to complete a non-western International Studies course (indicated in the list by an asterisk [*]), and now may use any International Studies courses to satisfy this requirement.
- **Option 2 – NO CHANGE** - Successful completion of the third semester of a language (1003 for French, German, Italian, Spanish and Portuguese; or the equivalent intermediate 2001

level of Arabic, Chinese, Classical Greek, Hebrew, Hindi, Japanese, Korean, Latin, Modern Greek, Russian or Vietnamese) and one 3-credit International Studies course from the approved International Studies list. Students whose native language is not English may fulfill this requirement by treating English as a foreign language and completing all Core composition and writing intensive requirements. Students in this category present the Test of English as a Foreign Language (TOEFL) scores with their admissions applications.

INTERNATIONAL STUDIES COURSES

Note: Core courses no longer offered by departments have been removed from this list, but students who took them will receive Core credit, as indicated in their DARS document. Questions about Core courses can be answered by the Office of the Senior Vice Provost for Undergraduate Studies.

Course #	Course Name	Credits
African American Studies		
*1261	Africa in the 20th Century	3
*1968	Honors Africa in the 20th Century	3
Anthropology		
*1065	Origins of Cultural Diversity	3
Art History		
1148	International Cinema	3
Asian Studies		
1101	Introduction to World Religions	3
*1102	Introduction to Asian Religions	3
*1801	Chinese and Japanese Literature in Cultural Context	3
*2074	Geography of East and South Asia	3
Critical Languages		
*1801	Chinese and Japanese Literature in Cultural Context	3
1901	Honors Chinese and Japanese Literature in Cultural Context	3
Dance		
*2803	Dance in Human Society	3
*2904	Honors Dance in Human Society	3
Economics		
1103	Global Economic Issues	3
French		
*1221	Africa, the Caribbean, and France	3
Geography & Urban Studies		
*1025	World Urban Patterns	3
*1031	Geography of World Affairs	3
1961	Honors World Urban Patterns	3
*2073	African Development	3
*2074	East and South Asia	3

German		
1941	Honors Literature and Culture of Central Europe in the 20th Century	3
Greek & Roman Classics		
1004	Introduction to the Ancient City	3
1068	Israel in the Middle East	3
2003	Race in Greece and Rome	3
2903	Honors Race in Greece and Rome	3
History		
1301	Modern Europe	3
*1501	Third World History	3
*1701	World History: Ancient	3
*1702	World History: Modern	3
1705	War and Society	3
1904	Honors War and Society	3
*1997	Honors World History: Ancient	3
Latin American Studies		
*1001	Perspectives on Latin America	3
Music Studies		
*1703	Introduction to World Music	3
Philosophy		
*1076	Philosophy East and West	3
Political Science		
1201	Foreign Governments and Politics	3
1301	International Politics	3
1921	Honors Foreign Governments and Politics	3
1931	Honors International Politics	3
Public Health		
1103	International Health	3
Religion		
*1101	Introduction to World Religions	3
*1102	Introduction to Asian Religions	3
1401	Introduction to Western Religions	3
*1902	Honors Introduction to Asian Religions	3
Sociology		
1277	Comparative Societal Development	3
1297	Comparative Societal Development	3
1977	Honors Comparative Societal Development	3
Urban Education		
*1006	Schooling and Development in Third World Societies	3
*1909	Honors Schooling and Development in Third World Societies	3
Women's Studies		
*1201	International Women's Writing	3

1708	Gender and History (offered at Temple University Japan campus only)	3
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Quantitative Reasoning

Core Quantitative Reasoning courses contribute to students' educational breadth and intellectual development. They provide knowledge and skills needed in other courses and in the academic majors. These tools are also essential for everyone living and working in an increasingly technical and technological world. These courses are designed to sharpen students' problem-solving skills, enhance their understanding of formal reasoning and logical analysis, strengthen their ability to use language and symbolic expression in a disciplined way, and acquaint them with methods for handling quantified or quantifiable data.

Requirement: One first-level (QA) course and one second-level (QB) course from the lists below.

Note: Students should complete their QA course (with a grade of C- or higher) before taking a QB course. The appropriate QA courses and any other prerequisites for each QB course are indicated in the [Undergraduate Course Descriptions](#) published separately from this *Bulletin*.

Placement into and successful completion of Mathematics 1031, 1041, 1941 or Statistics 1102 or 1902 satisfies the entire Quantitative Reasoning requirement.

Note: Core courses no longer offered by departments have been removed from this list, but students who took them will receive Core credit, as indicated in their DARS document. Questions about Core courses can be answered by the Office of the Senior Vice Provost for Undergraduate Studies.

Course #	Course Name	Credits
FIRST LEVEL (QA) COURSES		
Mathematics		
1011	College Math (offered at Temple University Japan campus only)	3
1021	College Algebra	4
1022	Precalculus	4
Statistics		
1001	Precalculus for Business	3
SECOND LEVEL (QB) COURSES		
Computer & Information Sciences		
1053	Programming in Matlab	4
1057	Computer Programming in C	3 to 4
1073	Computer Programming & Higher Level Languages	4
Criminal		

2602	Criminal Justice Research & Analysis (new in 2000; Core credit for 0161 retroactive to 1990)	3
Mathematics		
1012	Elements of Mathematical Thought	3
1013	Elements of Statistics	3
1031	Differential & Integral Calculus	4
1041	Calculus I	4
1912	Honors Elements of Mathematical Thought	3
1941	Honors Calculus I	4
1942	Honors Calculus II	4
1951	Honors Differential & Integral Calculus	4
Music Studies		
2711	Theory III	4
Philosophy		
1066	Introduction to Logic	3
1966	Honors Introduction to Logic	3
Psychology		
1167	Foundations in Statistical Methods	3
Sociology		
1167	Social Statistics	3
1967	Honors Social Statistics	3
3201	Statistical Methods in Sociology (New in 2002; Core credit for 0201 retroactive to 1990)	4
Statistics		
1102	Calculus for Business	3
1902	Honors Calculus for Business	3
2101	Statistical Methods & Concepts	3
2901	Honors Statistical Methods & Concepts	3

Science and Technology

An understanding of the methods, values, and impact of scientific and technological issues is crucial in developing an awareness of the forces that affect life in contemporary society. Core Science and Technology courses are designed to address these concerns.

Requirement: A sequence of one first-level (SA) course and one second-level (SB) course from these lists.

The proper sequences of Science and Technology courses are indicated by numbers in the lists. The first-level (SA) courses are numbered (1) through (23). Following each second-level (SB) course is the number of credits it carries and then, in parentheses, the number or numbers of SA course(s) it can follow. Examples: 1) A student who has taken Biology 1007 (#1) as an SA course may take as an SB course Anthropology 1055, any of the Biology SB courses except

1902 and 2912, and any of the SB courses that can follow any SA course (labeled "1-23"). 2) Someone who plans to take Anthropology 1055 as an SB course must first take Biology 1001, 1007, 1011, or 1901 as the SA course.

Students should not take an SB course unless an appropriate prerequisite SA course has been completed with a grade of C- or higher.

Transferring Science and Technology courses into Temple

It is preferable that transfer students completing the whole Core, especially from community colleges with which Temple has transfer course equivalency agreements, take science and technology courses equivalent to Temple courses and in sequences matching Temple's Core sequences. Nevertheless, students who transfer in a science/technology course or courses not equivalent to Temple Core courses, or not consistent with Temple Core sequences, have satisfied the Core Science/Technology requirement if by graduation they have credit for two courses (at least 6 credits) in the natural sciences, at least one of which has a laboratory or demonstration component. An unusual sequence of transfer courses may be accepted with the approval of the student's advisor and the Assistant Vice Provost for First Year and Transfer Programs. This policy applies only to courses brought into Temple in transfer, or to combinations of courses in which at least one course was brought in by transfer, not to two courses taken here. This policy applies only to the Core Science and Technology requirement, not to departmental, collegial, or other curricular requirements. (This policy was effective as of May 1995 and is retroactive.)

Transfer students with 45 or more transfer credits meet the science requirement of the [45+ Transfer Core](#) with: One course in the natural sciences with a laboratory component (Biology, Botany, Chemistry, Earth and Environmental Science, Physics, or interdisciplinary science); or a direct transfer equivalent of a Temple Core "Science/Technology A" course; or if taken at Temple, a Core "SA" course with a lab - see note for lab information in course description. (3-4 credits). Students who transfer 45 or more credits to Temple and have completed a non lab Science course in transfer *and still need to complete the 45+ Science requirement*, can complete any SA or SB at Temple to satisfy the requirement.

Notes:

- Core courses no longer offered by departments have been removed from this list, but students who took them will receive Core credit, as indicated in their DARS document. Questions about Core courses can be answered by the Office of the Senior Vice Provost for Undergraduate Studies.
- Starting in the Fall 2007, the College of Science & Technology will phase out Physics 1011 and 1012. Students are advised to register for Physics 1021 and 1022 instead of Physics 1011 and 1012.
- The Department of Geology is now called the Department of Earth & Environmental Science.

FIRST LEVEL (SA) COURSES AND CREDITS			
Sequence	Course #	Course Name	Credits

Biology			
1	1007	Foundations of Biology	4
2	1001	Human Biology	4
3	1011	General Biology I	4
4	1901	Honors General Biology I	4
8	1911	Honors Introduction to Biology	4
Botany			
5	1111	General Botany	4
Chemistry			
6	1011	Chemistry: The Study of Matter I	4
7	1021/1023	Introduction to Chemistry I	3/1
9	1031/1033	General Chemistry I	3/1
10	1041/1043	General Chemical Science I	3/1
11	1951/1953	Honors General Chemical Science I	3/1
12	2921/2923	Organic Chemistry for Honors I	3/1
Earth & Environmental Science			
13	1001	Introduction to Geology	4
Kinesiology			
14	1223	Human Anatomy and Physiology I	4
Physics			
15	1001	Physics: Matter and Motion	4
16	1005	Light, Art, and Nature	4
18	1003	Acoustics	3
20	1011	College Physics I	4
21	1021	Introduction to General Physics I	4
22	1061	Elementary Classical Physics I	4
23	1901	Honors Physics: Matter and Motion	4

SECOND LEVEL (SB) COURSES AND CREDITS, with appropriate SA courses in parentheses			
Course #	Course Name	Credits	(SA courses)
American Studies			
2941	Honors Technology and American Culture	3	(1-23)
Anthropology			
1055	Introduction to Physical Anthropology	4	(1-4)
Biology			
1002	Ecosystems	4	(1-3)
1003	Applied Biology	3	(1-2)
1008	Human Development	4	(1-3)
1012	General Biology II	4	(1-3)
1015	Marine Biology	4	(1-3)
1902	Honors General Biology II	4	(4)
2912	Honors Introduction to Biology	4	(8)
Botany			

2121	Plant Physiology	4	(5)
Chemistry			
1012	Chemistry: Study of Matter II	4	(6)
1022/1024	Introduction to Chemistry II	3/1	(7)
1032/1034	General Chemistry II	3/1	(9)
1042/1044	General Chemical Science II	3/1	(10)
1952/1954	Honors General Chemical Science II	3/1	(11)
2922/2924	Organic Chemistry for Honors II	3/1	(12)
Computer & Information Sciences			
1055	Computers and Applications	4	(1-23)
1955	Honors Computers and Applications	4	(1-23)
Earth & Environmental Science			
1005	Evolution	4	(13)
1015	Environmental Resources	4	(13)
1021	Catastrophic Geology	4	(13)
Electrical Engineering			
1014	Evolution of Modern Electronic Systems	3	(1-23)
1022	Technology and You	3	(1-23)
Environmental Engineering Technology			
1051	Introduction to the Environment (offered at Temple University Japan campus only)	3	(1-23)
Environmental Studies			
1052	Introduction to the Physical Environment	4	(13)
Geography & Urban Studies			
1052	Introduction to the Physical Environment	4	(13)
Horticulture			
2114	Soils	3	(5)
Kinesiology			
1224	Human Anatomy & Physiology II	4	(14)
Music Studies			
4711	Computers in Musical Applications	3	(15, 18, or 23)
Philosophy			
1077	Science in Context	3	(1-23)
1977	Honors Science in Context	3	(1-23)
Physics			
1002	Physics: Waves and Modern Physics	4	(15 or 18)
1004	Introduction to Astronomy	4	(15, 16, or 18)
1012	College Physics II	4	(20)
1022	Introduction to General Physics II	4	(21)
1062	Elementary Classical Physics II	4	(22)
1904	Honors Introduction to Astronomy	4	(15, 16, or 23)

Studies in Race

Different views of what "race" is and has been, the importance of personal and social racial identities, the impact of racism on individuals and institutions across cultures, historically, and in the United States today--all of these are studied in courses in the Studies in Race area of the Core. The knowledge and the communication skills gained in these courses help students better understand a critical aspect of their society and their own experience. Such understanding is essential for living and working in our racially-diverse world.

The Required Course Identifiers (RCI) of Studies in Race courses are important indicators of Core credit. Unlike the courses in other Core areas, but like Writing-Intensive courses, Studies in Race courses may fulfill a requirement for another Core area at the same time that they meet the Studies in Race requirement. Some even meet the Studies in Race requirement, another Core requirement, and the requirement for Writing-Intensive courses. The following RCI codes are specific to Studies in Race courses:

RA - Studies in Race and the Arts
RC - Studies in Race and Composition
RG - Studies in Race and International Studies
RN - Studies in Race and Individual and Society
RS - Studies in Race
RU - Studies in Race and American Culture
WR - Studies in Race and Writing-Intensive
XA - The Arts, Studies in Race, and Writing-Intensive
XC - American Culture, Studies in Race, and Writing-Intensive
XN - The Individual and Society, Studies in Race, and Writing-Intensive
XS - International Studies, Studies in Race, and Writing-Intensive

These RCI codes appear in parentheses next to the course numbers in the course list below.

See [Finding a Core Course](#) on the **Core Curriculum** general description page for a full list of the Core RCI codes.

Note that Studies in Race courses may also have non-Studies in Race versions that do not meet the Studies in Race requirement.

Requirement: One 3-credit course from this list.

The Studies in Race requirement applies to Temple undergraduates who matriculated as freshmen in fall 1993 (having completed fewer than 15 semester hours before then) through spring 2008, and to transfer students matriculating as Temple undergraduates in fall 1994 and after, who are not classified as Core-to-Core. Freshman who matriculate in fall 2008 and after complete the GenEd Race & Diversity requirement (GD).

Note: Core courses no longer offered by departments have been removed from this list, but students who took them will receive Core credit, as indicated in their DARS document. Questions about Core courses can be answered by the Office of the Senior Vice Provost for Undergraduate Studies.

Course #	Course Name	Credits
African American		
2934 (RS)	Honors Literature of Am Slavery	3
4248 (RS)	Dimensions of Racism	3
American Studies		
2107 (RS)	Asian American Experiences	3
3071 (RS)	African American Experiences	3
3075 (RS)	Literature of American Slavery	3
Anthropology		
1062 (RN)	Introduction to Anthropology: A Four-Field Integrated Approach to Race and Racism	3
Asian Studies		
2107 (RS)	Asian American Experiences	3
Communication Sciences & Disorders		
2111 (RS)	Language and Race	3
Criminal Justice		
4003 (RS)	Urban Minorities and the Criminal Justice System	3
Dance		
2805 (RS)	Dance, Movement, and Pluralism	3
English		
2401 (RS)	African-American Literature I	3
2402 (RS)	African-American Literature II	3
2713 (RS)	Art of the Film	3
2822 (RS)	Language and Race	3
3414 (RS)	Blacks/Literature/Drama/Media	3
Geography & Urban		
1021 (RN)	Urban Society: Race, Class, and Community	3
Greek & Roman Classics		
2003 (RG)	Race in Greece and Rome	3
2903 (RG)	Honors Race in Greece and Rome	3
History		
1103 (RS)	Race and Ethnicity in American History	3
1903 (RS)	Honors Race and Ethnicity in American History	3
2103 (RS)	African American History to 1865	3
2104 (RS)	African American History 1865 to Present	3
2105 (RS)	Race and the U.S. Constitution	3
2107 (RS)	Asian American History	3
2702 (RS)	Imperialism, Race, and Empire	3

2703 (RS)	African Diaspora	3
2705 (RS)	Anti-Semitism/Holocaust/Racism	3
3201 (RS)	California Dreams, California Nightmares	3
Jewish Studies		
2705 (RS)	Anti-Semitism/Holocaust/Racism	3
Kinesiology		
4237 (RS)	Minorities in Sport and Physical Activity	3
Latin American Studies		
3020 (RS)	Topics in Latino Studies	3
Nursing		
4143 (RS)	Cultural Diversity in Health Care	3
Philosophy		
2125 (RS)	Philosophy of African American Experiences	3
2925 (RS)	Honors Philosophy of African American Experiences	3
Political Science		
1103 (RN)	The Individual, Race, and American Political Life	3
3132 (RS)	Urban Politics and Problems	3
3196 (WR)	Urban Politics and Problems	3
Religion		
1002 (RS)	Racial Justice: A Religious Mandate for Obedience and Revolt	3
Social Work		
3008 (RS)	Institutional Racism	3
Sociology		
1376 (XN)	Sociology of Race and Racism (offered at Temple University Japan only)	3
2179 (RS)	Racial and Ethnic Stratification	3
2979 (RS)	Honors Racial and Ethnic Stratification	3
Strategic & Organizational Communication		
2296 (XC)	Campaigns and Movements in America	3
2996 (XC)	Honors Campaigns and Movements in America	3
Tyler		
1197 (XC)	Art, Race, and the American Experience	3
Women's Studies		
2096 (WR)	The Politics of Diversity	3
2996 (WR)	Honors The Politics of Diversity	3

List of Writing-Intensive Courses

Below is a comprehensive list of approved Writing Intensive courses that will satisfy the Core Writing Intensive requirement. This list includes current courses as well as courses that are no longer offered.

Some courses on this list fulfill the Writing Intensive requirement of the University Core and another Core requirement. To determine which Core requirements a course fulfills, look for the Required Course Identifier (RCI) codes in the [Course Descriptions](#) catalog, the Course Schedule ([TU Courses](#)), or in the [Course Renumbering](#) web site.

The following are writing-related Required Course Identifier (RCI) codes and their meanings:

- WI - Writing Intensive
- WR - Writing Intensive and Studies in Race
- XA - Writing Intensive, the Arts, and Studies in Race
- XC - Writing Intensive, American Culture, and Studies in Race
- XN - Writing Intensive, Individual & Society, and Studies in Race
- XS - Writing Intensive, International Studies, and Studies in Race

Courses that are underlined in this list are designated departmental writing capstones. A writing capstone course is required in each academic major. If more than one capstone is listed here for a department, students in that major should consult their academic advisor to determine the appropriate course(s).

Courses in italics are no longer taught but still carry Core Writing-Intensive credit for students who have successfully completed them in previous semesters. The course numbers of those courses that begin with a letter (W, H, R, or X) are no longer offered. The meanings of the letters are as follows:

- Course numbers on this list that begin with W indicated writing-intensive courses.
- Course numbers on this list that begin with H indicated writing-intensive courses that were part of the Honors Program.
- Course numbers on this list that begin with R indicated writing-intensive courses that also fulfilled the Studies in Race requirement.
- Course numbers on this list that begin with X indicated writing-intensive courses that also fulfilled one or two other Core requirements.

Effective first Summer Session 2007, currently approved Writing Intensive courses are numbered according to the Course Renumbering Guidelines. The four-digit course numbers will end in 96, 97 or 98. The course numbers for approved Honors Writing Intensive courses contain the number "9" as the second digit, end in 96, 97 or 98, and have "Honors" in the title.

Please note:

Non-Writing Intensive versions of Writing Intensive courses may also be offered. They have the same name as the Writing Intensive course, but they have not been designed to be writing-intensive and therefore, do not carry Core Writing Intensive credit. The four-digit course numbers for these courses will not end in 96, 97, or 98.

Below is the comprehensive list of all approved Writing-Intensive courses--they are not all offered each semester.

Accounting3596 Auditing

4596 Senior Seminar in Accounting

Actuarial Science3596 Casualty Contingencies**Adult & Organizational Development**

1096 Introduction to Communication for Educators

4396 Field Research: Practice in Professional Settings

Advertising

4196 Morality, Law and Advertising

African American Studies

1296 Introduction to African American Studies

3296 The Black Family

4096 Senior Seminar

W054 Politics of Colonization

W361 Studies in African American Literature

American Studies

2096 Asian Diaspora

2097 Asian Women in Transition

3096 The American Woman: Visions and Revisions

4097 Senior Seminar in American Studies

4098 Senior Independent Study

H190 Honors Radicalism in the United States

W140 Radicalism in the United States

W151 Asian American History

Anthropology

2396 Fundamentals of Cultural Anthropology

4396 History of Anthropological Theory4397 Advanced Seminar in Medical Anthropology

4496 Research in Visual Anthropology

4796 Biocultural Adaptations in Human Populations

4797 Evolutionary Perspectives on Reproduction4798 Seminar in Human and Primate Evolution

4896 Environmental Physiology

W324 Seminar in Genetic Basis of Human Variation

W332 Anthropological Photography

Architecture

1196 History of Form of Cities

1996 Honors History of Form of Cities

3096 Vernacular Architecture
3196 Nonwestern Architectural History Seminar
4096 Professional Practice
4596 Seminar in Architectural Theory
X001 Introduction to Design and the Environment

Art

1496 Introduction to Visual Language: Drawing
1996 Honors Introduction to Visual Language: Drawing
4796 Art Seminar

Art History

2096 Topics in Art History
2196 Greek and Roman Sculpture
2197 Topics in Art History
2198 Topics in Art History
2296 Topics in Art History
2496 Baroque/Rococo: Italy and Spain
2596 Baroque/Rococo: Northern
W111 Art of Greece
W112 Art of Ancient Rome
W278 Art Nouveau

Asian Studies

2096 Writing Seminar I
2097 Asian Diaspora
2098 Japanese Popular Culture and Its Literature
2696 Introduction to Islam
3096 Writing Seminar II
3696 Asian Women in Transition
4096 Seminar in Asian Studies
4696 Modern Japan: Empire, War, Society
W122 Introduction to Buddhism
W162 Indian Religion
W303 Topics in Asian Studies I
W304 Topics in Asian Studies II

Biology

3096 Cell Structure and Function
3196 Experimental Marine Biology
3396 Scientific Writing for Biology: The Art of Communicating
W202 Cell Function

Broadcasting, Telecommunications & Mass Media

3196 Writing Workshop

3296 Travel Writing
4296 History of Broadcasting
4496 Global Telecommunications
4497 Mass Media and Children
4596 Broadcast Production Practicum
4597 Sports Production Practicum
4696 Communication in Organizations
W349 Advanced Topics in Social Processes

Business Administration

4196 Global Business Policies
4996 Honors Global Business Policies
W391 Honors Business Policies

Chemistry

4196 Techniques of Chemical Measurement II
4396 Physical Chemistry Laboratory

Civil & Construction Engineering Technology

4396 Capstone in Construction
4397 Capstone in Design

Civil Engineering

2396 Environmental and Safety Aspects of Construction
W001 Introduction to Civil Engineering

Communication Sciences

1596 Introduction to Human Communication
2197 Communication Deviations and Disorders
3297 Syntax
4396 Orientation to Clinical Management
4397 Fieldwork in Linguistics
W106 Psychology of Communication
W311 Goals and Strategies for Communication Instruction
W360 Field Research in Communication

Community & Regional Planning

4896 Senior Community & Regional Planning Capstone Seminar

Computer & Information Sciences

4296 Information Systems Analysis and Design
4298 Software Engineering
4396 Information Systems Implementation
W201 Information Systems Analysis and Design
W223 Data Structures and Algorithms
W301 Project in Information Science

Crafts

4196 Tyler Art Workshop in Scotland (capstone in Ceramics/Glass)

4496 Business Practices in Crafts (capstone in Metals)

W292 Metals Concepts and Criticism

Criminal Justice

2696 Planned Change in Criminal Justice

W130 Nature of Crime

Critical Languages

W120 Japanese Popular Culture and Literature

H190 Honors Japanese Popular Culture and Literature

Dance

2796 Dance Modernism in America, 1890s-1950s

2896 Dance Post-Modernism in America, 1950s-Present

2897 Creative Process in Dance

4896 Senior Seminar

Earth & Environmental Science (formerly named Geology)

4096 Structural Geology

4197 Environmental Seminar

4997 Honors Environmental Seminar

W301 Igneous and Metamorphic Petrology

Economics

3596 Energy, Ecology and Economy

3597 Health Economics

3598 Economics Writing Seminar

W237 Economic Development of Modern Europe

X051 Macroeconomic Principles

Education

1196 Education and Schooling in America

Electrical Engineering

W090 Science and Technology: Yesterday, Today, and Tomorrow

W091 Technology and the 21st Century

H094 Engineering from Pyramids to Microchips

Electrical Engineering Technology

W166 Instrumentation and Measurement Laboratory

W373 Sensors and Data Acquisition

Engineering

3096 Economic Analysis (was W141, W241)

3496 Materials Science for Engineers

4196 Senior Design Project I

4296 Senior Design Project II

Engineering Technology

3396 Materials Technology (was Materials Science)

4296 Engineering Technology Project II

W123 Materials Technology

English

1197 Introduction to Literature

1198 Introduction to Fiction

2097 Introduction to English Studies

2196 Creative Writing: Poetry

2197 Women in Literature

2296 Creative Writing: Fiction

2297 Shakespeare

2396 Creative Writing: Plays

2496 Introduction to Writing Non-Fiction (was Developing Prose Style)

2596 Writing for Business and Industry

2696 Technical Writing

2796 Writing the Research Essay

2897 Literacy and Society

2898 Texts and Cultures of Science

3097 Feminist Theory

3196 Advanced Creative Writing: Poetry

3197 Themes and Genres in Women's Literature

3296 Advanced Creative Writing: Fiction

3396 Advanced Creative Writing: Plays

4096 Studies in Creative Writing

4097 Studies in Criticism

4098 Studies in Modern British Literature

4196 Studies in Language and Literacy

4197 Studies in Poetry

4198 Studies in Irish Literature

4297 Studies in Drama

4298 Studies in Early American Literature

4397 Studies in Medieval Language and Literature

4398 Studies in 19th Century American Literature

4497 Studies in Shakespeare

4498 Studies in Modern American Literature

4597 Studies in Renaissance Literature

4598 Studies in African American Literature

4697 Studies in Restoration and 18th Century Literature

4698 Studies in World Literature
4797 Studies in Romanticism
4798 Advanced Topics: Postcolonial Studies
4897 Studies in the Victorian Age
4898 Studies in Film
H191 Honors Developing Advanced Literacy in College
W112 Technologies of Writing
W116 Survey of American Literature I
W211 English Syntax

English Education, Elementary

3296 Teaching Language Arts: N-6
3297 Teaching Introductory Language, Reading, and Writing

Environmental Engineering Technology

4796 Pollution Control Processes

Environmental Studies

2596 Philosophical Perspectives on the Environment
3097 Environment and Development
4096 Problems of Environmental Quality
4198 Senior Research Seminar
4297 Social History of American Medicine
4796 Biocultural Adaptations in Human Populations
4896 Environmental Physiology
X050 Environment and Society

Film & Media Arts

3396 Writing for Media II
3696 Writing Intensive Film Study
4697 History of Narrative Film
4698 History of Documentary
W362 Contemporary American Documentary

Finance

4596 Seminar in Financial Management
W213 Bank Management

French

2096 Composition I
3096 Composition II

General & Strategic Management

4596 Advanced Entrepreneurship
W381 International Strategic Management

Geography & Urban Studies

2097 Urban Systems in Global Economy
3096 Urban Policy Analysis (was W120, W221)
3097 Environment and Development
4096 Problems of Environmental Quality
4097 Gender, Race, Class and the City
4197 Research Methods in Geography and Urban Studies
4198 Senior Seminar in Geography and Urban Studies
W050 Environment and Society
W060 World Urban Patterns
X080 Geography of the United States and Canada

German

3096 Composition I

Graphic Art & Design

3896 Art Career Workshop
4196 Senior Portfolio
W214 Graphic Design Workshop in Japan

Greek, Ancient

3096 Readings in Greek Literature I

Greek & Roman Classics

3096 Romans and Their Literature
3196 Classical Greek and Roman Mythology
3296 Comparative Mythology
3396 Classical Epic
3496 Writing Seminar
3596 Ancient Cities: Periclean Athens
3696 Ancient Cities: Hellenistic Alexandria
3796 Ancient Cities: Augustan Rome
3896 Ancient Cities: Byzantium
3897 Ancient Cities: Jerusalem
3996 Honors Comparative Mythology
W160 Ancient Historians
W161 Ancient Historians
W240 Literatures
W253 Hebrew Myth and Legend
W260 Topics in Cultures
W261 Topics in Cultures
W278 Jewish Humor: Past and Present
W279 Literature and Art of the Holocaust
W290 Classical Mythology
W292 Topics in Classical Culture
X071 Greek Drama and Greek Culture

Health Information Management

4197 Human Resource Management in Health Information Systems

4298 Health Information Management Case Studies

W181 Acute Care Internship

W281 Nonacute Care Internship

Health Related Professions

W312 Research Methodology

Healthcare Management

4596 Integrated Delivery Systems and Managed Care

X101 Introduction to Healthcare Management

Hebrew

2797 Jewish Humor: Past and Present (was G+R CL W278)

3098 Advanced Hebrew Readings I

3797 Literature and Art of the Holocaust (was G+R CL W279)

3798 Writing Seminar

History

1997 Honors World History: Ancient

3696 Asian Women in Transition

4296 Writing Seminar in American History

4297 Social History of American Medicine (was W257, W370)

4496 Eastern Europe: Nationalism, Authoritarianism, and Communism (was W256, W355)

4497 Writing Seminar in European History

4696 Writing Seminar in Third World History

4697 Modern Japan: Empire, War, Society

4698 Revolutionary Mexico

4896 Jews, Judaism, and the Modern World

4897 Contemporary Theory and Practice of History

4997 Honors Thesis Seminar

W105 Beginnings of European Civilization

W106 Medieval and Renaissance Europe

W111 Asian Diaspora

W156 Modern Jewish History

W178 Eastern Europe in the 20th Century

W257 History of American Medicine

W355 Eastern Europe: Nationalism, Authoritarianism, Communism (was W178)

X067 U.S. History to 1877

X094 Honors World History: Modern

Horticulture

4896 Senior Seminar

Human Resource Management

4596 Organizational Staffing and Career Management

Intellectual Heritage

1196 Intellectual Heritage I

1996 Honors Intellectual Heritage I

1297 Intellectual Heritage II

1997 Honors Intellectual Heritage II

Italian

2096 Composition I: Italian Composition and Conversation

3096 Composition II: Advanced Writing Skills

4096 Creative Writing through Reading

Japanese

2096 Japanese Popular Culture and Literature (formerly in Critical Languages department)

2996 Honors Japanese Popular Culture and Literature (formerly in Critical Languages department)

Jewish Studies

2496 Introduction to the Bible

2797 Jewish Humor Past and Present

3797 Literature and Art of the Holocaust

4096 Independent Study in Jewish Studies

4896 Modern Jewish History

W233 Jewish Humor: Past and Present

Journalism

1196 Writing for Journalism

2396 Magazine Article Writing

3196 Journalism and the Law

3296 Travel Writing

4196 Multimedia Urban Reporting

4596 Broadcast Production Practicum

W323 Advanced Public Relations Writing

Kinesiology

3296 Social and Psychological Aspects of Physical Activity

Landscape Architecture

2496 Western Traditions of Landscape Architecture (was W241, W318)

2497 American Traditions of Landscape Architecture (was W242, W319)

4198 Landscape Architecture Design VI: Spring Senior Studio (was W332, W393)

W318 Western Traditions of Landscape Architecture

W319 American Traditions of Landscape Architecture

W390 Fall Senior Seminar
W391 Spring Senior Seminar
W392 Fall Senior Studio
W393 Spring Senior Studio
W397 Senior Studio

Latin

3096 Readings in Latin Literature I

Latin American Studies

2097 Writing Seminar I
4097 Latin American Studies Seminar
W138 Topics in Latino Studies
W139 Topics in Caribbean Studies
W140 Topics in Latin American Studies I
W141 Topics in Latin American Studies II

Law S.B.M. (Legal Studies)

1996 Honors Law in Society
4596 Legal Research, Writing, and Advocacy
X093 Honors Tobacco in America
X199 Honors Law and Ethics in Business

Management Information Systems

3596 Business Process Analysis
4596 Business Technology Integration (formerly Information Systems Implementation)

Marketing

3596 Consumer and Buyer Behavior
4596 Marketing Strategy Planning
W361 E-Commerce Marketing Strategy

Mathematics

2096 Mathematical Recreations
2196 Basic Mathematical Concepts
3098 Modern Algebra
4096 Senior Problem Solving
W062 A Cultural Approach to Mathematics
W092 Honors A Cultural Approach to Mathematics
W195 Honors Mathematical Recreations
X195 Honors Mathematical Recreations A
X196 Honors Mathematical Recreations B

Mechanical Engineering Technology

W223 Materials Technology (was W123)

W361 MET Project I
W362 MET Project II

Music Education

2696 Teaching General Music to Inclusive Populations
4696 Music Therapy Research

Music Studies

3696 Music in History
3796 Music in History
3896 Theory Seminar II

Nursing

3297 Research Methods
3796 Teaching Strategies for Health Professionals
4197 Epidemiology in Nursing Systems
4297 Nursing Leadership
4896 Leadership for Registered Nurses
W202 Nursing IV

Occupational Therapy

W107 Clinical Reasoning I
W201 Applied Concepts of OT II
W205 Clinical Reasoning II
W207 Clinical Reasoning III

Organizational Studies

4096 Senior Seminar in Organizational Studies

Painting, Drawing & Sculpture

3596 Painting, Drawing, Sculpting Seminar

Philosophy

1196 Introduction to Philosophy
2596 Philosophical Perspectives on the Environment
4298 Senior Seminar
W050 Philosophic Issues
W293 Pre-Law Tutorial
X050 Philosophical Challenges to the Individual

Physics

4796 Experimental Physics

Political Science

1996 Honors Introduction to Political Philosophy

2496 Introduction to Political Philosophy
3196 Urban Politics and Problems
3197 Political Fiction
3296 Politics of Modern Capitalism
3396 The International Legal Order
3996 Junior Honors Capstone Seminar
3997 Junior Honors Capstone Seminar
4896 Capstone Seminar in Political Science
4996 Senior Honors Capstone Seminar
4997 Senior Honors Capstone Seminar

Psychology

1996 Honors Psychology as a Social Science
2196 Scientific Thinking in Psychology
4496 Capstone: History of Psychology
4596 Capstone: Fields of Psychology
4696 Capstone in Psychology
4796 Capstone: Research
4996 Capstone: Honors
4998 Honors Research Problems
W270 Research Methods: Learning
W271 Research Methods: Sensation and Perception
W274 Research Methods: Personality and Social Psychology
W275 Research Methods: Behavioral Neuroscience
W276 Research Methods: Cognitive Neuropsychology
W278 Research Methods: Developmental Psychology
W279 Research Methods: Applied Research Methodology

Public Health

3496 Introduction to Community Health Programs
3596 Administration of Health Education Programs
W312 Research and Evaluation

Real Estate

W106 Real Estate Valuation I

Religion

2096 Death and Dying
2496 Introduction to the Bible
2596 What is Christianity?
2696 Introduction to Islam
2996 Honors Death and Dying
4096 Capstone Seminar in Religion
W106 Religions of India
W122 Introduction to Buddhism

Risk Management & Insurance

4596 Advanced Topics in Health and Welfare Employee Benefits (was W320, W355)

4597 Global Corporate Risk Management

W218 Casualty Contingency

W360 Advanced Risk Management and International Insurance

Russian

4097 Fourth Year Russian I: Composition and Conversation

Secondary Education

3796 Reading Problems in the Secondary Schools

Social Work

4096 Seminar in Social Work Practice

4097 Seminar in Social Work Practice

Sociology

1196 Introduction to Sociology

1297 Comparative Societal Development

1396 Sociology of Race and Racism

1496 American Ethnicity

1696 Men and Women in American Society

1996 Introduction to Sociology

3196 Sociology of Education

3296 Selected Topics in Sociology: Popular Culture

3297 Political Sociology (capstone prior to 2002)

3596 Sociology of Organizations (capstone prior to 2002)

3597 Introduction to Population Studies: Demography

4096 Senior Seminar (was Doing Sociology in the Real World) (capstone as of 2002)

H099 Honors Sociology of Race and Racism

W216 Altered States of Consciousness

W241 Development of Sociological Thought

W249 Class in Modern Society (capstone prior to 2002)

W253 Aging: Sociology of Gerontology (capstone prior to 2002)

X092 Honors Men and Women in American Society

Spanish

2096 Composition and Conversation

3096 Advanced Writing Skills

Strategic & Organizational Communication

2296 Campaigns and Movements in America

2496 News Writing and Media Relations

2696 Diverse Communication and Leadership

2996 Honors Campaigns and Movements in America

3396 Analysis of Public Discourse

3596 Advanced Public Relations Writing
3796 Independent Research in Organizational Leadership

Theater

1096 Introduction to Theater Process
3096 Classical Tradition
3097 Romantic Tradition
4097 World of the Play
4997 Honors World of the Play

Therapeutic Recreation

3196 Research and Evaluation in Therapeutic Recreation
4196 Therapeutic Recreation Clinical Procedures

Tourism & Hospitality Management

1496 Leisure in American Culture
3196 Research Methodology
X081 Leisure and Culture in Developing Nations

Tyler School of Art

1197 Art, Race and the American Experience

Women's Studies

1096 Introduction to Women's Studies
1696 Men and Women in American Society
2096 The Politics of Diversity
2197 Women in Literature
2996 Honors Politics of Diversity
3096 The American Woman: Visions and Revisions
3097 Feminist Theory
3197 Themes and Genres in Women's Literature
3997 Honors Feminist Theory
4097 Gender, Race, Class and the City
4396 Research Seminar in Women's Studies
4696 Women in Modern Asia
W115 Special Topics: Women's Studies
W375 Italian Women Writers from the Middle Ages to the Present
X091 Honors Introduction to Women's Studies

DIVISION OF UNIVERSITY STUDIES

Division of University Studies

Dr. Peter R. Jones, Senior Vice Provost for Undergraduate Studies

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Introductory Information

Recognizing that not all students can or should declare an academic major upon entering college, University Studies is the academic home for students who have not yet decided on a major and students in pre-health professions programs.

Goals and Objectives

University Studies, formed in 1998, serves any Temple student who has not chosen a collegiate home or declared a major or who needs assistance while changing from one college to another. University Studies is not a degree-granting college. Rather it is an academic unit that exists to help students explore academic options and to gain admission to a degree-granting school or college at Temple. Students can remain in University Studies until completion of 60 credits, or approximately their first two years at the university.

Admissions

Transfer students with more than 60 credits cannot be admitted to Temple as an undeclared student in the Division of University Studies. Students admitted to Temple as a University Studies student can remain in the division until they select a school/college major or upon completion of 60 credits. Pre-health professions students may remain in the division until acceptance to the College of Health Professions or declaration of an alternative academic program of study.

Financial Aid and Scholarships

Division of University Studies Sophomore Scholarship - The DUS Sophomore Scholarship is awarded each spring to a current or former University Studies student who will be entering the sophomore year with a declared major. Students should be rising sophomores with a cumulative GPA of 3.5 or higher and a minimum of 30 completed credits. For more information and for an application, go to www.temple.edu/dus.

Special Programs

The Deciding Student Wing is a living/learning community for students who want to live in an environment promoting academic and career exploration. Undeclared students in University Studies are eligible to reside on the Deciding Student Wing, a floor with suite-style housing. Benefits include a resident peer advisor, freshman seminar, workshops and social events.

Honor Societies, Awards for Achievement

Academic Distinctions

During the academic year, University Studies students who achieve a semester grade point average (GPA) of 3.5 or above with 12 or more graded credits are named to the University Studies Distinguished Scholars List. Students receive congratulatory letters and are invited to a reception hosted by the Academic Resource Center.

Special Facilities

The Academic Information Center within the Academic Resource Center contains program information on all Temple schools/colleges and majors. Students can research majors and careers and use the computer stations to access Temple web sites and OWLnet.

Academic Advising

The Academic Resource Center
1810 Liacouras Walk, Suite 101
215-204-2500
dus@temple.edu

Goal and Objectives

Students enrolled in University Studies use the advising services of the Academic Resource Center, an academic support program established in 1997 to meet the needs of deciding students. Any student at Temple, whether enrolled in University Studies or not, is welcome and encouraged to use the services of the Academic Resource Center.

Academic advisors are important sources of information on university policies and procedures, the General Education curriculum requirements, and degree programs. While students must assume primary responsibility for knowing the requirements for their degree and for acquiring information about their academic status, academic advisors are a valuable resource. Advisors introduce students to the various sources of information available on academic programs, enabling students to be well-informed partners in their own education.

At the Academic Resource Center, a staff of professional and peer advisors works closely with students from the time they arrive at Temple through their successful transitions into schools/colleges and declared majors. Advisors meet with students on walk-in and appointment bases in both individual and group advising sessions.

Students are strongly encouraged to meet regularly with academic advisors to discuss academic plans, course selection, and registration. Students not eligible for online registration are required to see an advisor for course selection and registration.

Academic advisors attempt to avoid errors when advising students about their program requirements, but schools and colleges cannot assume liability for errors in advising. Therefore, students must assume primary responsibility for knowing the requirements for their degree and for acquiring current information about their academic status.

Services Provided through the Advising Office:

- Print and online information on Temple school/colleges and majors
- Assistance and counseling on declaring majors and completing the intra-university transfer process (IUT – transferring from one Temple school/college to another)
- An online newsletter with information about upcoming programs and events
- Workshops on academic planning and choosing a major
- Visiting Faculty Advisors: Advisors from the College of Health Professions (CHP) are available at specific times to meet with students interested in learning more about their academic programs and degree requirements. CHP programs that provide visiting advisors include Nursing, Occupational Therapy, Health Information Management, and Physical Therapy.

Special Advising Policies and Procedures

Enrollment in the Division of University Studies: Beginning fall 2002 and after, undergraduates matriculated in the Division of University Studies as undeclared majors and who entered University Studies as either freshmen, transfer students, or intra-university transfers from another Temple school or college prior to the completion of 45 credits, can remain in University Studies up to the completion of 60 credits. Students entering University Studies having completed between 45-59 credits can remain in University Studies up to two academic-year semesters if enrolled full-time or until completion of 60 credits if attending part-time.

Students enrolled in University Studies in pre-nursing or pre-health information management tracks can remain in the Division of University Studies up to the completion of 60 credits or until acceptance into an upper-division College of Health Professions program, whichever comes first. Upon completion of 60 credits, pre-health professions students can remain in University Studies only if a University Studies or College of Health Professions advisor certifies the student is on track for admission following completion of remaining prerequisites.

University Studies students can declare majors throughout the year (except in January and August) in accordance with the declaration of major standards set forth by the individual schools and colleges and the intra-university transfer (IUT) guidelines established by the university. University Studies students can also request a change in status from undecided to an academic program within a college during their New Student Orientation visit.

Note: University Studies students must meet the university's minimum standard for academic progress to remain enrolled in the Division of University Studies.

Academic Policies & Regulations

Please see the *Undergraduate Bulletin's* [Academic Policies](#) section. Students are responsible for complying with all university-wide academic policies that apply to their individual academic status. Additional and unique policies or exceptions for the Division of University Studies appear below.

Academic Course Load - Academic overloads during the fall and spring semesters, students who want to take 18 or more semester hours, need special approval of the director of Student Services.

Program Performance – Upon completion of 45 credits, pre-nursing students in the Division of University Studies with non-competitive grade point averages (below 3.0) may receive an academic progress hold requiring them to see an academic advisor. These students will be required to meet with their advisor to discuss and develop an alternative academic plan as well as discuss strategies for improving their academic performance. Under the university's Declaration of Major Policy, students not in a degree-granting program upon completion of 60 credits will be prevented from future registrations.

Transfer between Colleges within the University: Intra-University Transfer (IUT) into the Division of University Studies - Students currently enrolled in other schools or colleges who are reconsidering their choice of major or who wish to explore other academic options may process an intra-university transfer application to enter University Studies as an undeclared major. To transfer into University Studies, students must have a 2.0 cumulative grade point average and fewer than 60 credits completed (transfer and/or Temple credits combined). Students entering University Studies having completed between 45-59 credits can remain in University Studies up to two academic-year semesters if enrolled full-time or until completion of 60 credits if attending part-time. All students interested in transferring into the Division of University Studies must meet with an academic advisor to discuss this transfer.

Students transferring (IUT) into the Division of University Studies for pre-nursing should have a minimum cumulative GPA of 3.0 based on credits completed to be competitive for nursing school consideration and should develop an alternative academic plan with an advisor.

Requests for Intra-University Transfer into the Division of University Studies for pre-health information management will be reviewed in consultation with the department chairperson for Health Information Management. Students should maintain at least a 2.5 minimum cumulative GPA for program consideration.

Grievances - Students can bring grievances to the Director of Student Services. Grievances regarding instructors and grades are referred to the grievance protocol for the school/college offering the course.

General College Graduation Requirements

The Division of University Studies is not a degree-granting college. It is an academic unit which exists to help students explore academic programs. All students must declare a major in one of Temple's undergraduate schools and colleges upon completion of 60 credits, including any credits transferred from other institutions.

Individual Program Requirements

1. The total number of credit hours needed to graduate may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices (including declaration of major and students credit totals at time major is declared), and academic progress.
2. Certain courses fulfill multiple requirements. Consult your advisor to plan your curriculum more effectively.
3. Students must fulfill the necessary prerequisites for any given course or course sequence. See the [Prerequisite and Co-requisite Policy](#) in the university-wide Academic Policies section of this *Bulletin*.

Division of University Studies: Undeclared Option

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215-204-2500
dus@temple.edu
www.temple.edu/dus

Recognizing that not all students can or should declare an academic major upon entering college, Temple University established University Studies — the academic home for students who have not yet decided on a school/college or major. University Studies is not a degree-granting college. Rather, it is an academic unit that exists to help students explore academic options. All students must declare a major in one of Temple's degree-granting undergraduate schools and colleges upon completion of 60 credits, including any credits transferred from other institutions.

University Studies offers undeclared students a variety of services and programs to help them select an appropriate major. Students can use print and online resources in our Academic Information Center to research majors and careers and can participate in student success and academic exploration workshops held throughout the year. University Studies also maintains a file on curricular requirements of all Temple undergraduate majors. Upon declaring a major, students are required to fulfill the school/college and department requirements of that program.

University Studies does not grant degrees and students cannot graduate with an “undeclared” or a “pre-health professions” curriculum designation.

Suggested First-Year Program for the Undecided Student

This sample program allows students to satisfy General Education requirements while exploring academic interests and majors.

Year 1 – Fall				
Department	Course #	Course Name	Hours	RCI
English	0802 or 0812	Analytical Reading & Writing (Depends on placement exam; some students may be required to take English 0701 or 0711)	4	GW
GenEd	08xx	Select an appropriate GenEd Quantitative Literacy course (Depends on placement exam and potential choice of major)	4	GQ
GenEd	08xx	Select an appropriate GenEd Human Behavior course	3	GB
GenEd	08xx	Select an appropriate GenEd U.S. Society course	3	GU
University Seminar	1001	Freshman Seminar: Learning for the New Century	1	
Total			15	
(Note: Entering students, particularly freshmen, are encouraged to enroll in a learning community. See Learning Communities and University Seminars for more information or visit www.temple.edu/lc .)				

Year 1 – Spring				
Department	Course #	Course Name	Hours	RCI
Intellectual Heritage	0851	Mosaic: Humanities Seminar I (Note: Non-native speakers can opt for an ESL version of this course)	3	GY
GenEd	08xx	Select an appropriate GenEd Arts course	3-4	GA
GenEd	08xx	Select an appropriate GenEd Race & Diversity course	3	GD
GenEd	08xx	Select an appropriate GenEd Science & Technology course	3	GS
GenEd <i>or</i>	08xx	Select an appropriate GenEd World Society course <i>or</i>	3	GG
Major Exploration		Consider a class in potential choice of major	3	
Total			15-16	

Pre-Nursing Course Sequences

Recommended Sequence of Courses & Prerequisites for Pre-Nursing Students - New Freshman Students Only

Freshman Year – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	1021	Introduction to Chemistry I	3	
Chemistry	1023	Introduction to Chemistry Laboratory I	1	
English	0802	Analytical Reading & Writing	4	GW
***Mathematics	1021	College Algebra	4	
Sociology	1176	Introduction to Sociology	3	

Total			15	
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Freshman Year – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1223	Human Anatomy & Physiology I	4	
Intellectual Heritage	0851	Mosaic: Humanities Seminar I	3	GY
Biology	1012	General Biology II	4	
GenEd	08xx	Human Behavior	3	GB
Psychology	1061	Psychology as a Social Science*	3	
Total			17	
*Prerequisite for Psychology 2301 (Developmental Psychology)				

Sophomore Year – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1224	Human Anatomy & Physiology II*	4	
Psychology	2301	Developmental Psychology	3	
Intellectual Heritage	0852	Mosaic: Humanities Seminar II	3	GZ
GenEd	08xx	Arts	3-4	GA
***Psychology	1167	Foundations in Statistical Methods**	3	
Total			16-17	
*Prerequisite for Nursing 2111 (Microbiology)				
**Acceptable options include Sociology 1167 and Sociology 3201				

Sophomore Year – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Nursing	2111	Microbiology	4	
Public Health	1104	Nutrition & Health	3	
GenEd	08xx	U.S. Society	3	GU
GenEd	08xx	Race & Diversity	3	GD
GenEd	08xx	World Society	3	GG
Total			16	

*** The GenEd GQ requirement will be satisfied upon the successful completion of Nursing 3261 and 3262.

Recommended Sequence of Courses & Prerequisites for Pre-Nursing Students - Core & Transfer Students

Freshman Year – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	1021	Introduction to Chemistry I	3	SA

Chemistry	1023	Introduction to Chemistry Lab I	1	SA
English	0802	Analytical Reading & Writing	4	CO/GW
Mathematics	1021	College Algebra	4	QA
Varies	Core	International Studies/Language	3-4	L/IS/GG
Total			15-16	

Freshman Year – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1223	Human Anatomy & Physiology I	4	SA
Intellectual	0851	Mosaic: Humanities Seminar I	3	IA/GY
Public Health	1104	Nutrition & Health	3	
Psychology	1061	Psychology as a Social Science*	3	IN
Sociology	1176	Introduction to Sociology	3	IN
Total			16	
*Prerequisite for Psychology 2301 (Developmental Psychology)				

Sophomore Year – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1224	Human Anatomy & Physiology II*	4	SB
Psychology	2301	Developmental Psychology	3	
Intellectual Heritage	0852	Mosaic: Humanities Seminar II	3	IB/GZ
Psychology	1167	Foundations in Statistical Methods**	3	QB
Core	Elective	Arts	3-4	AR/GA
Total			16-17	
*Prerequisite for Nursing 2111				
**Acceptable options include Sociology 1167 and Sociology 3201				

Sophomore Year – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Nursing	2111	Microbiology	4	
Biology	1012	General Biology II	4	SB
Core	Elective	American Culture	3	AC
Core	Elective	International Studies/Language***	3-4	L/IS/GG
Core	Elective	Studies in Race	3	RS/GD
Total			17-18	

*** Students who opt to take a foreign language must complete up to the third level, or up to the second level + one International Studies course, to fulfill this Core area. Students who do not opt to take a foreign language must complete two International Studies courses to fulfill this Core

area.

Pre-Health Information Management Course Sequences

Recommended Sequence of Courses & Prerequisites for Pre-Health Information Management Students - New Freshman Students Only

Freshman Year – Fall Semester				
Department	Course #	Course Name	Hours	RCI
English	0802	Analytical Reading & Writing	4	GW
GenEd	08xx	Quantitative Literacy*	4	GQ
GenEd	08xx	U.S. Society	3	GU
GenEd	08xx	Arts	3-4	GA
Total			14-15	

Freshman Year – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1223	Human Anatomy & Physiology I	4	
Intellectual Heritage	0851	Mosaic: Humanities Seminar I	3	GY
GenEd	08xx	World Society	3	GG
GenEd	08xx	Race & Diversity	3	GD
Varies		General Elective	3	
Total			16	

Sophomore Year – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1224	Human Anatomy & Physiology II	4	
Mathematics	1013	Elements of Statistics	3	
Psychology	1167	Foundations in Statistical Methods	3	
Sociology	1167	Social Statistics	3	
Intellectual	0852	Mosaic: Humanities Seminar II	3	GZ
GenEd	08xx	Human Behavior	3	GB
Total			13	

Sophomore Year – Spring Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	1055	Computers & Applications	4	
Varies		Writing Intensive**	3	WI
HIM	1101	Medical Terminology (recommended but not required)	3	

Varies		Elective	3	
Total			13	

* MATH 0823: *Math for a Digital World* or MATH 0824: *Mathematical Patterns* is strongly recommended.

** English 2596: *Writing for Business & Industry* is recommended.

Recommended Sequence of Courses & Prerequisites for Pre-Health Information Management Students - Core & Transfer Students

Freshman Year – Fall Semester				
Department	Course #	Course Name	Hours	RCI
English	0802	Analytical Reading & Writing	4	CO
Mathematics	0823	Math for a Digital World	4	QA/QB
	0824	Mathematical Patterns	4	QA/QB
Varies	Core	Individual & Society	3	IN
Varies	Core	Language A/International Studies	3-4	IS
Total			14-15	

Freshman Year – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1223	Human Anatomy & Physiology I	4	SA
Intellectual Heritage	0851	Mosaic: Humanities Seminar I	3	IA
Varies	Core	Language B/International Studies*	3-4	IS
Varies	Core	American Culture	3	AC
Varies	Core	Studies in Race	3	RS
Total			16-17	

Sophomore Year – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1224	Human Anatomy & Physiology II	4	SB
Mathematics	1013	Elements of Statistics	3	QB
		or		
Psychology	1167	Foundations in Statistical Methods	3	QB
Statistics	2101	or		
		Statistical Methods and Concepts	3	QB
Varies	Core	The Arts	3	AR
Intellectual Heritage	0852	Mosaic: Humanities Seminar II	3	IB
Varies		General Elective	3	
Total			16	

Sophomore Year – Spring Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	1055	Computers & Applications	4	SB
Varies		Writing Intensive**	3	WI
HIM	1101	Medical Terminology (recommended, but not required)	3	
Varies		General Elective	3	
Total			13	

* Students who opt to take a foreign language must complete up to the third level, or up to the second level + one International Studies course, to fulfill this Core area. Students who do not opt to take a foreign language must complete two International Studies courses to fulfill this Core area.

** English 2596: *Writing for Business & Industry* is recommended.

INTERCOLLEGIAL PROGRAMS

Intercollegial programs at Temple University include a national honor society and a growing number of interdisciplinary academic programs that involve students and departments in more than one of the university's schools and colleges. These programs provide students with opportunities to cross the boundaries of traditional academic disciplines, combine a variety of perspectives, and take advantage of faculty expertise in different departments and colleges. They are designed to accommodate students' interests and prepare students for success in a variety of career fields. The schools and colleges collaborating in these societies and programs are indicated in each description. Each college's degree requirements are described in the college sections of this *Bulletin*. Students should consult the contact person for an intercollegial society or program for more information about both collegial policies and requirements, and the society or program itself.

Special Programs

Phi Beta Kappa

Phi Beta Kappa is an honor society open to juniors and seniors in the College of Liberal Arts, the College of Science and Technology, and the Department of Art History. To qualify for Phi Beta Kappa, a student must maintain a high grade point average in a broad, rigorous program of study in the liberal arts, including mathematics and foreign language. For a complete and detailed description of Phi Beta Kappa's requirements, visit www.temple.edu/pbk.

For more information, please contact Kimberly Miller, Senior Athletic Academic Advisor and Chapter Secretary, via e-mail at kimberly.miller@temple.edu.

Environmental Programs

Dr. Robert Mason, Director
Gladfelter Hall, Room 330
215-204-5918
envtstud@temple.edu
www.temple.edu/env-stud

Dr. Dennis Terry, Advisor for B.S.
Beury Hall, Room 221
215-204-8226
dennis.terry@temple.edu

Students will be equipped with the scholarly background and intellectual skills to understand a wide range of pressing environmental issues, and they will come to appreciate the physical, economic, political, demographic, and ethical factors that define those issues. Among the many environmental problems central to our program are groundwater contamination, suburban sprawl, river basin management, environmental justice, and the greening of abandoned urban spaces. Our graduates find employment with government environmental agencies, citizens' organizations, consulting firms, and corporate environmental affairs departments.

The College of Liberal Arts offers the Bachelor of Arts in Environmental Studies and the College of Science and Technology offers the Bachelor of Science in Environmental Science. A minor also is offered through both colleges.

Bachelor of Arts Requirements for Environmental Studies

Please see the College of Liberal Arts *Bulletin page* at www.temple.edu/bulletin/Academic_programs/schools_colleges/cla/programs/environ_studies/cla_environ_studies.shtm for details on the requirements for the Bachelor of Arts degree in Environmental Studies.

Bachelor of Science Requirements for Environmental Science

Please see the College of Science and Technology *Bulletin page* at www.temple.edu/bulletin/Academic_programs/schools_colleges/cst/programs/env_science/cst_env_sci.shtm for details on the requirements for the Bachelor of Science degree in Environmental Science.

Requirements for the Minor in Environmental Studies in CLA

Please see the College of Liberal Arts *Bulletin page* at www.temple.edu/bulletin/Academic_programs/schools_colleges/cla/programs/environ_studies/cla_environ_studies.shtm#minor for details on the requirements for the minor in Environmental Studies in CLA.

Requirements for the Minor in Environmental Studies in CST

Please see the College of Science & Technology *Bulletin* [page](http://www.temple.edu/bulletin/Academic_programs/schools_colleges/cst/programs/env_studies_minor/environs_studies_minor.htm) at www.temple.edu/bulletin/Academic_programs/schools_colleges/cst/programs/env_studies_minor/environs_studies_minor.htm for details on the requirements for the minor in Environmental Studies in CST.

List of Environmental Studies Electives

Department	Course #	Course Name
Natural Science Electives		
Environmental Studies/Anthropology	3170	Methods in Archaeology
Environmental Studies/Anthropology	3189	Field Session in Archaeology
Environmental Studies/Anthropology	4896	Environmental Physiology
Biology	2238	Marine Environments
Biology	3196	Experimental Marine Biology
Biology	3245	Marine Ecology
Biology	3316	Tropical Marine Biology
Biology	3336	Freshwater Ecology
Botany	1112	Plant Ecology
Earth & Environmental Science	2015	Climate Change: Oceans to Atmosphere
Earth & Environmental Science	2021	Facies Models
Earth & Environmental Science	2061	Introduction to Geochemistry
Landscape Architecture	2758	Summer Field Ecology
Social Science/Policy Electives		
Environmental Studies/Anthropology	3175	Heritage Management in Archaeology
Environmental Studies/Anthropology	4117	Seminar in Environmental Archaeology
Environmental Studies/Anthropology	4796	Biocultural Adaptations in Human Populations
Community & Regional Planning	1027	History & Practice of Community & Regional Planning
Community & Regional Planning	2014	Planning Policy and Law
Community & Regional Planning	2114	Urban Form & Design
Community & Regional Planning	2213	Environmental Planning
Community & Regional Planning	2524	Fundamentals of Geographic Information Systems
Community & Regional Planning	3256	Sustainable Community Design & Development
Economics	1101	Macroeconomic Principles
Economics	3512	Public Finance
Economics	3513	Economics of State and Local Governments
Environmental Engineering Technology	4761	Environmental Regulations
Environmental Studies	3000	Special Topics in Environmental Studies
Environmental Studies	3025	Environmental Law and Regulation
Environmental Studies	4082	Independent Study - Environmental Studies
Environmental Studies	4085	Internship - Environmental Studies
Asian Studies/EVRN ST/GUS	3052	Environmental Problems in Asia

Environmental Studies/GUS	2051	The Urban Environment
Environmental Studies/GUS	3051	Environmental Policy Issues
Environmental Studies/GUS	3054	Energy, Resources, & Conservation
Environmental Studies/GUS	3062	Fundamentals of Geographic Information Systems
Environmental Studies/GUS	3097	Environment & Development
Environmental Studies/GUS	4015	The Geographic Basis of Land Use Planning
Environmental Studies/GUS	4051	Geography of Hazards
Environmental Studies/GUS	4056	Political Ecology
Environmental Studies/GUS	4071	Medical Geography
Environmental Studies/GUS	4096	Problems of Environmental Quality
Earth & Environmental Science	4197/4997	Environmental Seminar
History/Environmental Studies	3214	North American Environmental History
History/Environmental Studies	4297	Social History of American Medicine
Horticulture	2114	Soils
Horticulture	2334	Food Crops I
Horticulture	2353	Food Crops II
Horticulture	3514	Landscape Restoration
Journalism	3253	Health and Environmental Writing
Landscape Architecture	2144	Landscape Architecture Design Studio II
Philosophy/Environmental Studies	2157	Environmental Ethics
Philosophy/Environmental Studies	2596	Philosophical Perspectives on the Environment
Political Science/Environmental Studies	3152	U.S. Environmental Policy
Political Science/Environmental Studies	3265	International Environmental Policy
Public Health	2102	Environmental Health
Religion/Environmental Studies	3001	Earth Ethics
Religion/Asian St/Environmental Studies	3904	Honors Earth Ethics
Sociology/Environmental Studies	3511	Sociology of the Environment

Mathematical Economics

Dr. William J. Stull, Chair
Dr. Dimitrios Diamantaras, Advisor
Economics Department
Ritter Annex, Room 623
215-204-8169
dimitrios.diamantaras@temple.edu

or

Dr. Omar Hijab, Chair
Dr. Boris A. Datskovsky, Director of Undergraduate Studies
Mathematics Department
Wachman Hall, Room 632

215-204-7847

boris.datskovsky@temple.edu

The Departments of Economics and Mathematics offer the Mathematical Economics program as a platform for systematic concentration in the mathematical approach to economics. Economics has progressed in the last several decades by making extensive use of mathematical techniques. As a result, students who wish to pursue graduate study in economics, finance, accounting and other disciplines that make an extensive use of economics need a thorough grounding in both economics and mathematics. The Mathematical Economics curriculum provides this grounding with a broad selection of courses that cover all important areas of economics and the mathematical tools required for a critical, deep mastery of these areas. This program is especially recommended for those students who intend to pursue graduate studies in Economics.

Writing Intensive Requirement for Major

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Economics 3596, Economics 3597, Economics 3598, Math 2196, Math 3096*, or Math 4096.

Bachelor of Arts Requirements for the Major

Department	Course #	Course Name	Hours	RCI
Mathematics	1041	Calculus I	4	QB
		or		
	1941	Honors Calculus I	4	QB
Mathematics	1042	Calculus II	4	
		or		
	1942	Honors Calculus II	4	
Mathematics	2043	Calculus III	4	
Mathematics	2101	Linear Algebra	3	
Mathematics	3031	Introduction to Probability Theory	3	
Mathematics	3032	Introduction to Mathematical Statistics	3	
Mathematics	3043	Numerical Analysis I	3-4	
Mathematics	3000+	Three Math courses 3000+	9	/WI
		or Two Math courses 3000+ and Math 2196 ^{1, 2}		
C+IN SC	1053	Programming in Matlab	4	QB
		or		
C+IN SC	1057	Computer Programming in C	4	QB
		or		
C+IN SC	1068	Program Design & Abstraction	4	QB
		or		
C+IN SC	2168	Data Structures	4	
Economics	1102	Microeconomic Principles	3	IN
Economics	3501	Intermediate Microeconomic Analysis	3	

Economics	3502	Intermediate Macroeconomic Analysis	3	
Economics	3503	Introduction to Econometrics	3	
Economics	3504	Mathematical Economics	3	
	3521	<i>or</i> Economics of Risk & Uncertainty	3	
Economics	3598	Economics Writing Seminar	3	WI
Economics	3000+	Two Economics courses 3000+, with permission of advisor	6	
Subtotal			62	
1 - Math 2196 must be taken prior to Math 3098 or Math 3141.				
2 - One of the Math electives must be writing intensive.				
All courses must be passed with a grade of C- or better.				

*Pending course approval. Contact your academic advisor for more information.

Political Economy

William Lynn Holmes, Department of Economics
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Richard Deeg, Department of Political Science
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This is a joint program offered by the Department of Economics and the Department of Political Science leading to certificate of specialization in political economy.

Purpose

The purpose of the Political Economy program is to provide undergraduate students with the opportunity to study more intensely the relationship between the political and economic spheres of society. The program is based on the belief that a focused examination of this relationship provides us with a better understanding of several social phenomena. Chief among these is a better understanding of public policy choices and the policy making process, as well as a better understanding of how government actions affect the process of economic change and vice versa.

For these reasons the Political Science and Economics departments offer an interdisciplinary certificate in Political Economy. The program is open to all matriculated undergraduate students. Applicants need not be declared majors in either economics or political science. The Political Economy program provides an excellent preparation for graduate study in the social sciences and for the study of law.

Program Requirements

The program consists of two components: required core courses at the lower-division level and elective courses at the upper-division level.

Department	Course #	Course Name	Hours	RCI
<i>Core – All students must take the following core courses:</i>				
ECON	1101 or 1901	Macroeconomic Principles	3	IN
ECON	1102 or 1902	Microeconomic Principles	3	IN
POL SCI	1101 or 1911	The American Political System	3	AC
<i>And one of the following:</i>				
POL SCI	1201 or 1921	Foreign Governments and Politics	3	IS
POL SCI	1301 or 1931	International Politics	3	IS

Elective Courses

All students must successfully complete (grade of C- or better) four courses from the following list. Two of the four courses must be in economics, and two courses must be in political science. Students should select courses that correspond to their own substantive interests and are encouraged to take cognate areas (e.g., if you choose international politics courses, also choose international economics courses). Students should plan their schedules well in advance, since many courses are not offered each semester.

Department	Course #	Course Name	Hours	RCI
<i>Select two:</i>			6	
ECON	3531	History of Economic Theory		
ECON	3547	Economics of Development and Growth		
ECON	3511	The Economics and Management of Privatization		
ECON	3512	Public Finance		
ECON	3513	Economics of State and Local Governments		
ECON	3563	International Trade		
ECON	3564	International Monetary Economics		
ECON	3506 (or 3596)	Energy, Ecology, and Economy		WI*
ECON	3507 (or 3597)	Health Economics		WI*
ECON	3545	Economics of Labor Markets		
ECON	3546	Women in the Economy		
ECON	3535	Public Control of Business: Antitrust		
ECON	3536	Economics of American Industry		
<i>Select two:</i>			6	
POL SCI	3131 (or 3196)	Urban Politics and Problems		WR*
POL SCI	3134	The Politics of Inequality		
POL SCI	2102	American State and Local Politics		
POL SCI	2103	U.S. Public Policy Making		

POL SCI	3151	Public Policy Analysis		
POL SCI	3152	U.S. Environmental Policy		
POL SCI	3155	Business and Public Policy		
POL SCI	2201	Comparative Politics: Developing Nations		
POL SCI	3252	East Asia and the United States		
POL SCI	3296	Politics of Modern Capitalism		WI
POL SCI	2321	Politics of the Global Economy		
POL SCI	2441	Democracy, Capitalism, and Socialism		

A "*" denotes that the courses in parentheses are Writing Intensive courses.

Chart of Degrees

The Chart of Degrees lists Temple University's degree programs alphabetically, showing the name of the degree; which school or college grants the degree; and the campus or campuses on which all or most of the course work for the degree may be completed. To find a specific degree program in the chart, refer to the alphabetical menu on the left.

Information regarding the abbreviations found within the Chart of Degrees is provided in the key chart listed on this page.

Students should be aware that, while all programs cannot be completed on all campuses, courses in many programs are offered on multiple campuses. To learn what specific courses are offered on which campuses in a given semester, refer to the [Course Schedule](#).

Key for Campuses	Degree Symbols and Classifications
<ul style="list-style-type: none"> A -- Ambler BC -- Bucks County Community College CC -- Temple University Center City HS -- Health Sciences (including Podiatry) J -- Temple University Japan M -- Main P -- Harrisburg, PA SJU* -- St. Joseph's University TY -- Tyler School of Art 	<ul style="list-style-type: none"> A.A. -- Associate in Arts A.S. -- Associate in Science B.A. -- Bachelor of Arts B.A./M.A. -- Five-year Bachelor's and Master's Program B.Ar. -- Bachelor of Architecture B.B.A. -- Bachelor of Business Administration B.F.A. -- Bachelor of Fine Arts B.F.A. w/TC -- Bachelor of Fine Arts with Teaching Certification B.M. -- Bachelor of Music B.S. -- Bachelor of Science B.S.Ar. -- Bachelor of Science in Architecture B.S.A.T -- Bachelor of Science in Athletic Training B.S.C.E. -- Bachelor of Science in Civil Engineering B.S.Ed -- Bachelor of Science in Education B.S.E.E. -- Bachelor of Science in Electrical Engineering B.S.E.T. -- Bachelor of Science in Engineering Technology B.S.M.E. -- Bachelor of Science in Mechanical Engineering

<ul style="list-style-type: none"> • UPenn* -- University of Pennsylvania • W -- Fort Washington through Ambler Campus <p>*R.O.T.C. only</p> <p>Key for Schools and Colleges</p> <ul style="list-style-type: none"> • AM -- Ambler College • FSBM -- Fox School of Business & Management • CE -- College of Engineering • CT -- School of Communications & Theater • DENT -- Maurice H. Kornberg School of Dentistry • ED -- College of Education • HP -- College of Health Professions • LA -- College of Liberal Arts • LAW -- School of Law • MED -- School of Medicine • MU -- Esther Boyer College of Music & Dance • PM -- School of Podiatric Medicine • PHARM -- School of Pharmacy • SA -- School of Social Administration • ST -- College of Science & Technology 	<ul style="list-style-type: none"> • B.S.N. -- Bachelor of Science in Nursing • B.S.W. -- Bachelor of Social Work • Ed.S. -- Education Specialist • M.A. -- Master of Arts • M.B.A. -- Master of Business Administration • M.B.A./M.A. -- Combined Degree • M.B.A./M.S. -- Combined Degree • Ed.M. -- Master of Education • M.F.A. -- Master of Fine Arts • M.J. -- Master of Journalism • M.L.A. -- Master of Liberal Arts • M.M. -- Master of Music • M.M.Ed. -- Master of Music Education • M.M.T. -- Master of Music Therapy • M.O.T. -- Master of Occupational Therapy • M.P.H. -- Master of Public Health • M.P.T. -- Master of Physical Therapy • M.S. -- Master of Science • M.S.E. -- Master of Science in Engineering • M.S.Ed. -- Master of Science in Education • M.S.N. -- Master of Science in Nursing • M.S.W. -- Master of Social Work • M.T.H.M. --Master of Tourism and Hospitality Management • D.D.S. -- Doctor of Dental Surgery • D.M.D. -- Doctor of Dental Medicine • D.M.A. -- Doctor of Musical Arts • D.O.T. -- Doctor of Occupational Therapy • D.P.M. -- Doctor of Podiatric Medicine • D.P.T. -- Doctor of Physical Therapy • Ed.D. -- Doctor of Education • J.D. -- Juris Doctor (first professional degree for law) • M.D. -- Doctor of Medicine • Ph.D. -- Doctor of Philosophy • Pharm.D. -- Doctor of Pharmacy • L.L.M. -- Master of Laws (further specialization after JD degree) • S.J.D. -- Doctor of Juridical Science • w/TC -- With teaching certification
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<ul style="list-style-type: none"> • STHM -- School of Tourism & Hospitality Management • TY -- Tyler School of Art • US -- University Studies 	
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Program Names A - G and Degrees Offered

This is a general summary of programs available for incoming students.

Note: The link in the Program Name column goes to the page describing the program within the *Undergraduate Bulletin*.

Major	Majors are listed under "Program Name."
Minor	A minor is traditionally of more limited scope than a major. It stands alone within an undergraduate student's program, independent of the major.
Concentration	A concentration is connected to a major program. It may or may not lead to a certificate or other credential, depending on the design of the program.
Certificate	A certificate is a credit-bearing program of courses leading to a credential. It may or may not apply toward a degree. (This should not be confused with certification, a process by which an individual is accredited by an external accrediting body, such as a state board or professional board.)
Track	One of two or more specified sequences through a major program, from which a student must choose one.

Campus - The baccalaureate degree can be completed at the campuses displayed in **bold** only.

Program Name	Baccalaureate	Minor, Conc., Cert., Track	Post-Baccalaureate	Post-Baccalaureate Minor, Conc., Cert.	College	Campus
Accounting	B.B.A.	Minor			FSBM	M, CC, A
Accounting & Financial Management			M.S.	Post-M.B.A. Cert.	FSBM	CC
Actuarial Science	B.B.A.		M.S.	Post-M.B.A. Cert.	FSBM	M
Adult & Organizational Development			Ed.M.		ED	M
Advertising	B.A.				CT	M

-- Creative Copywriting		Track			CT	M
-- Account Management		Track			CT	M
-- Creative Art Direction		Track			CT	M
-- Research		Track			CT	M
African American Studies	B.A.	Minor	M.A., Ph.D.		LA	M
American/International Law			L.L.M.		LAW	M
American/International Law - China			L.L.M.		LAW	M
American Studies	B.A.	Minor			LA	M, J
-- Asian American Studies		Minor			LA	M
Anatomy			Ph.D.		MED	HS
Anthropology	B.A.	Minor	M.A., Ph.D.		LA	M
-- Human Biology		Track			LA	M
-- Urban Studies				Ph.D. Conc.	LA	M
-- Visual Anthropology		Track, Minor			LA	M
Applied Communications	B.A.		M.A.		ED	M
Arabic		Cert.			LA	M
Architecture	B.Ar., B.S.Ar.				TY	M
Art	B.A.	Minor			TY	M, J
-- Digital Media		Conc., Minor			TY	TY, J
-- Studio Art		Conc., Minor			TY	TY
-- Visual Studies		Conc.			TY	TY
Art Education	B.S.Ed.		Ed.M.		TY	M (TY- Grad Ed.M.)
Art History	B.A.	Minor	M.A., Ph.D.		TY	M
Asian Studies	B.A.	Minor			LA	M, J
-- Asian Business & Society		Cert.		Cert.	FSBM/LA	M, J
Athletic Training	B.S.A.T.				HP	M
Biochemistry	B.S.				ST	M
Biochemistry			M.S., Ph.D.		MED	HS
Bioengineering			M.S.		CE	M
Biology	B.A., B.S.	Minor	M.S., Ph.D.		ST	M
-- Neuroscience		Conc.			ST	M
Biology/Neuroscience			Ph.D.		ST	M
Biology with Teaching	B.S.				ST	M
Biomedical Neuroscience			M.S., Ph.D.		MED	HS
Biophysics	B.S.				ST	M

Broadcasting, Telecommunications & Mass Media	B.A.		M.A.		CT	M
Business Administration		Minor	M.B.A., Ph.D.	Post-Bacc. Cert.	FSBM	M, CC, W
-- Accounting				M.B.A. Conc., Ph.D. Conc.	FSBM	
-- Business Management				M.B.A. Conc.	FSBM	
-- Finance				Ph.D. Conc.	FSBM	
-- Financial Management/Corporate				M.B.A. Conc.	FSBM	
-- Financial Management/Investment				M.B.A. Conc.	FSBM	
-- Healthcare & Life Sciences Innovation				M.B.A. Conc.	FSBM	
-- Healthcare Management				M.B.A. Conc.	FSBM	
-- Human Resource Administration				Ph.D. Conc.	FSBM	
-- Human Resource Management				M.B.A. Conc.	FSBM	
-- Information Technology Management				M.B.A. Conc.	FSBM	
-- International Business Administration				Ph.D. Conc.	FSBM	
-- International Business Management				M.B.A. Conc.	FSBM	
-- Management Information Systems				Ph.D. Conc.	FSBM	
-- Marketing				Ph.D. Conc.	FSBM	CC
-- Marketing Management				M.B.A. Conc.	FSBM	
-- Pharmaceutical Management				M.B.A. Conc.	FSBM	
-- Risk, Insurance & Healthcare				Ph.D. Conc.	FSBM	
-- Risk Management				M.B.A. Conc.	FSBM	
-- Strategic Management				M.B.A. Conc., Ph.D. Conc.	FSBM	
-- Tourism & Sport				Ph.D. Conc.	FSBM	
Business Law				J.D. Cert.	LAW	M
Business Management	B.B.A.	Minor		Post-M.B.A. Cert.	FSBM	M, A, J CC
-- Business		Minor			FSBM	M, A
-- Business Basics		Cert.			FSBM	A

-- Business Plus		Cert.			FSBM	A
-- General Business Studies		Minor			FSBM	M, A
Career & Technical Education	B.S.Ed.	Cert.		M.S.Ed. Conc., Ed.M. Conc.	ED	M
-- Business Education		Conc.		Cert.	ED	M
-- Cooperative Education		Cert.			ED	M
-- Industrial Education		Conc.		Cert.	ED	M
-- Marketing Education		Conc.		Cert.	ED	M
Cell Biology			M.S.		MED	HS
-- Business				M.S. Cert	MED	HS
Ceramics/Glass	B.F.A.	w/TC	M.F.A.		TY	TY
Chemistry	B.A., B.S., B.A./M.A. (5yr.)		M.A., Ph.D.		ST	M
Chemistry with Teaching	B.S.				ST	M
Chinese		Cert.			LA	M
Choral Conducting			M.M.		MU	M
Civil Engineering	B.S.C.E.		M.S.E.		CE	M
-- Environmental Engineering		Conc., Minor			CE	M
-- Cooperative Education Program					CE	M
Classics	B.A.				LA	M
-- Ancient Mediterranean Studies		Minor			LA	M
-- Classical Civilizations		Conc.			LA	M
-- Classical Languages & Literature		Conc.			LA	M
Clinical Research & Translational Medicine			M.S.		HP	M
Communications	B.A.				CT	M, A, J
Communication Management			M.S.		CT	M
-- Media Management, Government & Social Policy				M.S. Conc.	CT	
-- Strategic & Corporate Communication Management				M.S. Conc.	CT	
Communication Sciences	B.A.	Minor	Ph.D.		HP	M
-- Speech/Language /Hearing		Track			HP	M
-- Linguistics		Track			HP	M

Community & Regional Planning	B.S.		M.S.		AM	A, P
Composition (Music)	B.M.		M.M., D.M.A.		MU	M
Computer Science	B.A., B.S.	Minor			ST	M
Computer & Information Science			M.S., Ph.D.		ST	M
Computer & Information Sciences, Fox School of Business & Management, see Management Information Systems						
Construction Management Technology	B.S.E.T.				CE	M
Counseling Psychology			Ed.M., Ph.D.		ED	M
Criminal Justice	B.A.	Minor	M.A., Ph.D.		LA	M, A, CC
Criminal Justice Executive Program			M.A.		LA	
Curriculum, Instruction, & Technology in Education (CITE)			M.S.Ed., Ed.D.		ED	M, A
-- Applied Behavioral Analysis				M.S.Ed. Conc.	ED	M
-- Career & Technical Education				M.S.Ed. Conc.	ED	M
---- Business Education				M.S.Ed. Cert.	ED	M
---- Industrial Education				M.S.Ed. Cert.	ED	M
---- Marketing Education				M.S.Ed. Cert.	ED	M
-- Early Childhood Education				M.S.Ed. Conc.	ED	M, BC
-- Elementary Education				M.S.Ed. Conc.	ED	M, BC
-- English Education				M.S.Ed. Conc.	ED	M, BC
-- Language Arts				Ed.D. Conc.	ED	M, J
-- Mathematics Education				M.S.Ed. Conc.	ED	M
-- Mathematics & Science Education				Ed.D. Conc.	ED	M
-- Reading				M.S.Ed. Conc.	ED	M
-- Science Education				M.S.Ed. Conc.	ED	M
-- Second & Foreign Language Education				M.S.Ed. Conc.	ED	M
-- Special Education (Inclusive School Practices)				M.S.Ed. Conc.	ED	M
-- Teaching English as a Second Language				M.S.Ed. Conc.	ED	M
Dance	B.F.A.		M.F.A., Ed.M., Ph.D.		MU	M
Dentistry			D.M.D.		DENT	HS

-- Endodontics				Cert.	DENT	HS
-- Oral Biology			M.S.		DENT	HS
-- Orthodontics				Cert.	DENT	HS
-- Periodontics				Cert.	DENT	HS
-- Advanced Education in General Dentistry				Cert.	DENT	HS
-- Advanced DMD Program for Faculty			D.M.D.		DENT	HS
-- Advanced Standing Program			D.M.D.		DENT	HS
Disability Studies				Grad Cert.	ED	M
Earth & Space Science with Teaching	B.S.				ST	M
Economics	B.B.A.				FSBM	M, A, CC
Economics	B.A.	Minor	M.A., Ph.D.		LA	M, A, CC, J
-- Management Career		Cert.			LA	M, A
-- Political Economy		Cert.			LA	M, A, J
Educational Administration			Ed.M., Ed.D.	Grad Cert.	ED	M, W, P
Educational Psychology			Ed.M., Ph.D.		ED	M
Educational Psychology/ Learning Technology			Ed.M.		ED	M
Electrical Engineering	B.S.E.E.		M.S.E.	Cert.	CE	M
-- Bioengineering		Conc.			CE	M
-- Computer Engineering		Conc.		Cert.	CE	M
-- Cooperative Education Program					CE	M
Elementary Education	B.S.Ed.			Ed.M. Conc.	ED	M, A, BC
-- Early Childhood Education		Conc.			ED	M, A
-- Middle School Education		Conc.			ED	M
-- Special Education		Conc.			ED	M, A, BC
Emergency Management with Special Populations		Cert.			HP	M
Engineering			Ph.D.		CE	M
Engineering Technology	B.S.E.T.				CE	M
-- Computer Technology		Track			CE	M
-- Construction Technology		Track			CE	M
-- Cooperative Education Program					CE	M
-- Energy Technology		Track			CE	M
-- Environmental Technology		Track			CE	M
-- General Technology		Track			CE	M

-- Mechanical/ Manufacturing Technology		Track			CE	M
-- Mechatronics Technology		Track			CE	M
English	B.A.	Minor	M.A., Ph.D.		LA	M, A, CC, J
-- Writing		Cert.			LA	M
English/Creative Writing			M.A.		LA	M
English as a Second Language		Cert.		Grad Cert.	ED	M
Entrepreneurship	B.B.A.	Cert., Minor		Grad Cert.	FSBM	M
Environmental Science	B.S.				ST	M
Environmental Health			M.S.		HP	M
Environmental Studies	B.A.	Minor			LA	M
Environmental Studies		Minor			ST	M
Environmental Sustainability		Cert.			AM	A
Epidemiology			M.S.		HP	M
Executive MBA Program			M.B.A.		FSBM	M
Fibers/Fabric Design	B.F.A.	w/TC	M.F.A.		TY	TY
Film & Media Arts	B.A.		M.F.A.		CT	M
Finance	B.B.A.		M.S.	Post-M.B.A. Cert.	FSBM	M, A, CC
Financial Engineering			M.S.		FSBM	M
French	B.A.	Minor, Cert.			LA	M
General Science with Teaching	B.S.				ST	M
General Program	A.A., B.A.				LA	J
General Business Studies		Minor			FSBM	
General & Strategic Management				Post-M.B.A. Cert.	FSBM	M
Geography			M.A.		LA	M
Geography & Urban Studies	B.A.	Minor			LA	M, J
-- Geography of Tourism		Cert.			LA	M
-- Geography of Sports, Recreation, & Tourism Planning		Cert.			LA	M
-- Travel & Tourism		Cert.			LA	M
Geology	B.A., B.S.	Minor	M.S.		ST	M
German	B.A.	Minor, Cert.			LA	M
Gerontology		Cert.			SA	M

Graduate Certificate Program			Ed.M.		ED	M, P
-- Elementary Education				Conc.	ED	M
-- Secondary Education				Conc.	ED	M
-- Special Education				Conc.	ED	M
-- Career & Technical Education				Conc.	ED	M
Graduate Tax			L.L.M.		LAW	M
Graphic & Interactive Design	B.F.A.	w/TC	M.F.A.		TY	TY

Program Names H - O and Degrees Offered

Program Name	Baccalaureate	Minor, Conc., Cert., Track	Post-Baccalaureate	Post-Baccalaureate Minor, Conc., Cert.	College	Campus
Healthcare Financial Management			M.S.		FSBM	CC
Healthcare Management				Post-M.B.A. Cert.	FSBM	M
Healthcare Management / Healthcare Financial Management			M.B.A./M.S.		FSBM	M, CC
Health Information Management	B.S.				HP	HS
Health Studies			Ph.D.		HP	M
-- Public Health				Ph.D. Conc.	HP	M
-- Therapeutic Recreation				Ph.D. Conc.	HP	M
Hebrew	B.A.	Minor			LA	M
History	B.A.	Minor	M.A., Ph.D.		LA	M, A, CC, J
Honors Program, Business		Cert.			FSBM	M
Honors Program, University		Cert.				
Horticulture	A.S., B.S.				AM	A
-- Business		Conc.			AM	A
-- General		Conc.			AM	A
-- Horticultural Therapy		Cert.			AM	A
-- Landscape Plants		Cert.			AM	A

Human Resource Management	B.B.A.		M.S.	Post-M.B.A. Cert.	FSBM	M, A, CC
-- People First		Cert.			FSBM	M, A, CC
Information Science & Technology	B.A., B.S.	Minor			ST	M
Information Technology Innovation & Entrepreneurship		Minor			FSBM	M
Information Technology Management			M.B.A./M.S.		FSBM	M
Instrumental Studies, Classical Guitar Performance	B.M.				MU	M
Instrumental Studies, Instrumental Performance	B.M.				MU	M
Interdisciplinary Studies/Liberal Arts	B.A.				LA	M, A
International Affairs	B.A.				LA	J
International Business Administration - Tri Country			M.B.A.		FSBM	M
International Business	B.B.A.		M.B.A./M.S.		FSBM	M, W, CC
-- Finance				Conc.	FSBM	M
-- General & Strategic Management				Conc.	FSBM	M
-- Human Resource Management				Conc.	FSBM	M
-- Marketing				Conc.	FSBM	M
-- Risk Management & Insurance				Conc.	FSBM	M
International Business Management				Post-M.B.A. Cert.	FSBM	M
Italian	B.A.	Minor, Cert.			LA	M
Japanese		Minor, Cert.			LA	M, J

Jazz Studies / Composition	B.M.				MU	M
Jazz Studies / Performance	B.M.				MU	M
-- Instrumental		Conc.			MU	M
-- Jazz Voice		Conc.			MU	M
Jewish Studies	B.A.	Minor			LA	M
-- History		Conc.			LA	M
-- Religion		Conc.			LA	M
-- Secular Jewish Studies		Cert.			LA	M
Journalism	B.A.	Minor	M.J.		CT	M
Juridical Science			S.J.D.		LAW	M
Kinesiology	B.S.		M.S., Ph.D.		HP	M
-- Athletic Training				M.S. Conc., Ph.D. Conc.	HP	M
-- Curriculum and Instruction				M.S. Conc., Ph.D. Conc.	HP	M
-- Integrative Exercise Physiology				M.S. Conc., Ph.D. Conc.	HP	M
-- Psychology of Movement				M.S. Conc., Ph.D. Conc.	HP	M
Landscape Architecture	B.S.				AM	A
Latin American Studies	B.A.	Minor			LA	M
Law			J.D., L.L.M., S.J.D.		LAW	M, J
Legal Studies	B.B.A.		J.D./M.B.A. (Dual)		FSBM/LAW	M, CC, A
Law - Trial Advocacy			L.L.M.		LAW	M
Lesbian, Gay, Bisexual & Transgender Studies (LGBT)		Minor			LA	M, CC
Liberal Arts			M.L.A.		LA	M, J
Linguistics	B.A.		M.A.		HP	M
Management Information Systems	B.B.A.	Minor, Cert.	M.S.	Ph.D. Conc., Post-M.B.A. Cert.	FSBM	M, CC
Marketing	B.B.A.		M.S.	Post-M.B.A. Cert.	FSBM	M, A, CC
Mass Media & Communication			Ph.D.		CT	M
Mathematical Economics	B.A.				LA/ST	M

Mathematics	B.A., B.S.	Minor	M.A., Ph.D.		ST	M
-- 5 year M.A.			B.A./M.A., B.S./M.A.		ST/CE	M
Mathematics & Computer Science	B.S.				ST	M
Mathematics & Physics	B.S.				ST	M
Mathematics with Teaching	B.S.				ST	M
Mechanical Engineering	B.S.M.E.		M.S.E.		CE	M
-- Cooperative Education Program					CE	M
Medicine			M.D.		MED	HS
Medicine Combination			Ph.D./M.D.		MED	HS
Metals/Jewelry/ CAD-CAM	B.F.A.	w/TC	M.F.A.		TY	TY
Microbiology & Immunology			M.S., Ph.D.		MED	HS
Military Sciences						
-- Army ROTC						M*
-- Air Force ROTC						SJU*
-- Navy ROTC						UPenn*
Molecular Biology & Genetics			M.S. (thesis), M.S. (non-thesis), Ph.D.		MED	HS
Music	B.S.				MU	M
Music Composition	B.M.		M.M., D.M.A.		MU	M
Music Education	B.M.		M.M., Ph.D.		MU	M
-- Instrumental		Conc.			MU	M
-- Instrumental/ Music Technology Component		Conc.			MU	M
-- Piano		Conc.			MU	M
-- Voice		Conc.			MU	M
Music Education/Jazz	B.M.				MU	M
-- Instrumental/ Jazz Studies Component		Conc.			MU	M
-- Piano/Jazz Studies Component		Conc.			MU	M
-- Voice/Jazz Studies Component		Conc.			MU	M
Music History	B.M.		M.M.		MU	M
Music -- Jazz Studies	B.M.				MU	M

-- Jazz Composition	B.M.					M
-- Jazz Voice Performance	B.M.					M
Music Performance	B.M.		M.M., D.M.A.		MU	M
-- Keyboard/Harpsichord	B.M.		M.M.		MU	M
-- Keyboard/Piano	B.M.		M.M., D.M.A.		MU	M
-- Vocal Instruction	B.M.				MU	M
Music Theory	B.M.		M.M.		MU	M
Music Therapy	B.M.		M.M.T., Ph.D.		MU	M
-- Guitar		Conc.			MU	M
-- Piano		Conc.			MU	M
-- Voice		Conc.			MU	M
Music Therapy/Jazz	B.M.				MU	M
-- Jazz, Guitar		Conc.			MU	M
-- Jazz, Piano		Conc.			MU	M
-- Jazz, Voice		Conc.			MU	M
Natural Sciences	B.A.				ST	M
Neuroscience: Cellular and Molecular	B.S.				ST	M
Neuroscience: Systems, Behavior & Plasticity	B.S.				LA	M
New Media Interdisciplinary Concentration		Conc.			CT	M
Nursing	B.S.N.		M.S.N.		HP	HS
R.N. to B.S.N.	B.S.N.				HP	HS, A, BC
Occupational Therapy			M.O.T., M.S., D.O.T.		HP	HS
Opera			M.M.		MU	M
Oral Biology			M.S.		DENT	M

*Cooperative Programs among Temple University, St. Joseph's University and the University of Pennsylvania

Program Names P - Z and Degrees Offered

Program Name	Baccalaureate	Minor, Conc., Cert., Track	Post-Baccalaureate	Post-Baccalaureate Minor, Conc., Cert.	College	Campus

Painting	B.F.A.	w/TC	M.F.A.		TY	TY
Pathology			Ph.D.		MED	HS
Performance (Music)	B.M.		M.M., D.M.A.		MU	M
Pharmaceutical Quality Assurance / Regulatory Affairs			M.S.		PHARM	W
-- Advanced QA & RA (post-M.S.)				Cert.	PHARM	W
-- Basic Pharmaceutical Development (for MBAs)				Cert.	PHARM	W
-- Clinical Trial Management				Cert.	PHARM	W
-- Drug Development				Cert.	PHARM	W
-- Medical Device				Cert.	PHARM	W
Pharmaceutical Sciences			M.S., Ph.D.		PHARM	HS
-- Medicinal Chemistry				M.S. Conc., Ph.D. Conc.	PHARM	HS
-- Pharmaceutics				M.S. Conc. (Thesis), M.S. Conc. (non-Thesis), Ph.D. Conc.	PHARM	W
-- Pharmacodynamics				M.S. Conc.	PHARM	HS
Pharmacology			M.S., Ph.D.		MED	HS
Pharmacology/Neuroscience			Ph.D.		MED	HS
Pharmacy			Pharm.D.		PHARM	HS
Philosophy	B.A.	Minor	M.A., Ph.D.		LA	M
Photography	B.F.A.	w/TC	M.F.A.		TY	TY
Physical Therapy			D.P.T., Ph.D., M.S.		HP	HS
Physical Therapy/Neuroscience			Ph.D.		HP	HS
Physics	B.A., B.S., B.A./M.A.	Minor	M.A., Ph.D.		ST	M
Physics with Teaching	B.S.				ST	M
Physiology			M.S., Ph.D.		MED	HS
Piano Accompanying/Opera Coaching			M.M.		MU	M
Piano Accompanying & Chamber Music			M.M.		MU	M
Piano Pedagogy	B.M.		M.M.		MU	M
Play Therapy				Graduate Cert.	SA	P
Podiatric Medicine			D.P.M.		PM	HS
-- Podiatric Medicine & Surgery, Fellowship in				Cert.	PM	HS

Political Science	B.A.	Minor	M.A., Ph.D.		LA	M, A, CC, J
-- Political Economy		Cert.			LA	M, A
-- Urban Studies				Ph.D. Conc.	LA	M
Portuguese		Minor			LA	M
Pre-Dentistry		special advising				
Pre-Health Professions		special advising			US	
Pre-Law		special advising				
Pre-Medicine		special advising				
Pre-Pharmacy		special advising			ST	
Pre-Podiatry		special advising				
Printmaking	B.F.A.	w/TC	M.F.A.		TY	TY
Professional Accounting			M.S.		FSBM	M
Professional Studies		Cert.			MU	M
Psychology	B.A.	Minor	M.A., Ph.D.		LA	M, A
-- Cognitive Neuroscience		Minor			LA	M
Psychology/Neuroscience			Ph.D.		LA	M
Psychological Studies	B.A.	Minor			LA	J
Public Health	B.S.	Minor	M.P.H., Ph.D.		HP	M
-- Environmental Health				M.P.H. Conc.	HP	M
-- Environmental Health & Health Policy				Ph.D. Conc.	HP	M
-- Epidemiology & Biostatistics				M.P.H. Conc.	HP	M
-- Global Health				M.P.H. Conc.	HP	M
-- Social & Behavioral Health Sciences				Ph.D. Conc.	HP	M
-- Social & Behavioral Science				M.P.H. Conc.	HP	M
Quality Assurance & Regulatory Affairs			M.S.		PHARM	W
Radio/Television/Film (see Film & Media Arts and Broadcasting, Telecommunications & Mass Media)						
Real Estate	B.B.A.				FSBM	M, A
Religion	B.A.	Minor	M.A., Ph.D.		LA	M, J
Risk, Insurance & Healthcare Management				Ph.D. Conc.	FSBM	M
Risk Management				Post-M.B.A. Cert.	FSBM	M
Risk Management & Insurance	B.B.A.				FSBM	M, CC

-- Employee Benefits		Track, Conc.				
-- Healthcare Risk Management		Track, Conc.				
-- Property-Liability/Corporate Risk Management		Track				
Russian (Germanic & Slavic Languages)	B.A.	Minor, Cert.			LA	M
School Health Education			Ed.M.		HP	M
School Psychology			Ed.M., Ed.S., Ph.D.		ED	M
Sculpture	B.F.A.	w/TC	M.F.A.		TY	TY
Secondary Education	B.S.Ed.			Ed.M. Conc.	ED	M
-- English Education		Conc.			ED	M
-- Foreign Language Education		Conc.			ED	M
---- French		Cert.			ED	M
---- German		Cert.			ED	M
---- Hebrew		Cert.			ED	M
---- Italian		Cert.			ED	M
---- Latin		Cert.			ED	M
---- Portuguese		Cert.			ED	M
---- Spanish		Cert.			ED	M
-- Mathematics Education		Conc.			ED	M
-- Science Education		Conc.			ED	M
---- Biology		Cert.			ED	M
---- Chemistry		Cert.			ED	M
---- Earth & Space		Cert.			ED	M
---- General Science		Cert.			ED	M
---- Physics		Cert.			ED	M
-- Social Studies Education		Conc.			ED	M
---- Citizenship Education		Cert.			ED	M
---- Social Science Education		Cert.			ED	M
Social Work	B.S.W.	Minor	M.S.W.		SA	M, A, P
-- Child & Family Services		Cert.			SA	M
-- Play Therapy				Graduate Cert.	SA	P
Sociology	B.A.	Minor	M.A., Ph.D.		LA	M
-- Health Research		Cert.			LA	M
-- Health Track		Track			LA	M
-- Urban Studies				Ph.D. Conc.	LA	M
Spanish	B.A.	Minor Cert.	M.A., Ph.D.		LA	M
-- Latin American Studies Semester		Cert.			LA	M

-- Multilingual Business & Government Studies		Cert.			LA	M
-- Spanish & Latin American Studies for Business		Cert.			LA	M
-- Spanish & Latino Studies for Health & Human Services Professions		Cert.			LA	M
Special Education (see Elementary Ed/Special Ed)		Conc.		Ed.M. Conc.	ED	M
Speech, Language & Hearing Science	B.S.		M.A.		HP	M
Sport & Recreation Administration			Ed.M.		STHM	M
Sport & Recreation Management	B.S.				STHM	M
-- Leisure Management		Conc.			STHM	M
-- Sport Management		Conc.			STHM	M
-- E-Tourism		Cert.			STHM	M
-- Geography of Sports, Recreation & Tourism Planning		Cert.				
-- Geography of Tourism		Cert.				
Statistics			M.S., Ph.D.		FSBM	M
Strategic & Organizational Communication	B.A.				CT	M
-- Public Communication		Conc.			CT	M
-- Organizational Leadership		Conc.			CT	M
-- Public Relations		Conc.			CT	M
Strategic Management				Ph.D. Conc.	FSBM	M
String Pedagogy			M.M.		MU	M
Taxation			L.L.M., J.D./L.L.M.		LAW	M
TESOL (see Curriculum, Instruction & Technology in Education)				M.S.Ed. Conc.	ED	M
Theater	B.A.	Minor			CT	M
-- Acting		Conc.	M.F.A.		CT	M
-- Design/Technology		Conc.	M.F.A.		CT	M
-- Directing		Conc.	M.F.A.		CT	M
-- Musical Theater		Conc.			CT	M
-- Playwriting			M.F.A.		CT	M
Theory (Music)	B.M.				MU	M

Therapeutic Recreation	B.S.		Ed.M.		HP	M
Tourism & Sport				Ph.D. Conc.	FSBM	M
Tourism & Hospitality Management	B.S.		M.T.H.M.		STHM	M, CC, J
-- Destination & Event Management		Conc.			STHM	M
-- Hospitality Management		Conc.			STHM	M
-- E-Tourism		Cert.			STHM	M
-- Geography of Sports, Recreation & Tourism Planning		Cert.				
-- Geography of Tourism		Cert.			LA	M
Tourism & Hospitality Management (2+2 program)	B.S.				STHM	J
Trial Advocacy			L.L.M.		LAW	M
Urban Education			Ed.M., Ph.D.		ED	M
Urban Studies			M.A.		LA	M
Vocational/Technical Education (See Career and Technical Education)						
Women's Studies	B.A.	Minor, Cert.			LA	M

AMBLER COLLEGE

Founded 2000

James W. Hilty, Ph.D.
Acting Dean, Ambler College
CEO, Temple University Ambler
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See the [Ambler Campus Section](#) of this *Bulletin* for more information on services, facilities, and student life.

Introduction

Temple University Ambler has been connected to sustainable concepts and environmental stewardship for nearly a century. In June 2000, the Temple University Board of Trustees formally recognized Ambler College, located at the Ambler Campus, as the 17th academic unit of Temple University. This designation provides Ambler College with the ability to plan and develop unique programs consistent with its mission. Ambler College is the home to the

Department of Community and Regional Planning and the Department of Landscape Architecture and Horticulture, with plans for future academic programs to be added under the college umbrella.

The mission of Ambler College is the enhancement of the relationship between individuals, social patterns, and political systems and the natural, built, and cultural environments of contemporary life. Ambler College upholds the environmental traditions established by the Pennsylvania School of Horticulture for Women and carried forward by our founding Department of Landscape Architecture and Horticulture. As Temple University's 17th college, Ambler College has a commitment to the health of communities, the preservation and appreciation of the natural and historical landscape, and the recognition of the connections between the natural and constructed worlds. (*Adopted by the Faculty, Ambler College, December, 2000.*) Ambler College core values are: student-centered learning, community engagement, and environmental responsibility.

The Department of Landscape Architecture and Horticulture traces its origins to the Pennsylvania School of Horticulture for Women, founded in 1911 at Ambler. Originally, the department offered only two-year Associate degree programs but in 1988 added two four-year degree programs in Landscape Architecture and Horticulture. The department's evolution has combined theory with practice, continuing the tradition of blending art and science with practical experience. Committed to excellence in ecologically-based education, the department provides students with the knowledge and understanding of sustainable environments. Through an ecological approach to planning, design, development, and care of the land, the programs in Landscape Architecture and Horticulture promote the development of skills to improve the quality of urban, suburban, and rural communities. Courses and programs are offered that utilize the 187-acre Ambler Campus as both an arboretum and a living laboratory for faculty and students. Students also have the opportunity to conduct research in a state-of-the-art greenhouse.

The Department of Community and Regional Planning, building on the traditions already established in the Department of Landscape Architecture and Horticulture and the Center for Sustainable Communities (See [Special Programs and Facilities](#) below), develops skilled practitioners for the dynamic and growing field of planning in the government, non-profit, and private sectors. Students develop an understanding of the physical and economic issues of planning, sensitivity to the social and environmental impact of planning decisions, and a knowledge of governmental structures as they apply to planning. The program places students on the front lines of efforts to create and maintain healthy, sustainable communities by providing students with a broad-based understanding and awareness of multi-dimensional land-use and planning issues.

The Ambler campus continues to be a teaching site for many courses and full degree programs sponsored by other schools and colleges of Temple University. See the [Degree Programs Chart](#) for a listing of the full degree programs and the [Ambler Campus section](#) for additional information on campus facilities and services.

Accreditations

The Landscape Architecture program is accredited by the Landscape Architectural Accreditation Board.

The undergraduate program in Community and Regional Planning will seek accreditation from the Planning Accreditation Board. As required by the Board, this only can occur after 25 students have graduated from this undergraduate program.

Admissions Information

Ambler Admissions Office
267-468-8100
ambler@temple.edu
www.temple.edu/ambler/admissions/

A strong interest in the environment, planning, and/or design is highly desirable for students who enroll in all programs offered by Ambler College. Students interested in Community and Regional Planning also should have a desire to develop computer, social science, and communications skills. Applicants to the Landscape Architecture and Horticulture programs, depending on the intended area of study, should have a background that includes courses in art, geometry, biology, and geography.

Longwood Gardens Agreement

Students who graduate from the Longwood Gardens Professional Gardeners Program and are admissible to Temple University may receive up to 52 credits toward the Bachelor of Science degree in [Landscape Architecture](#) or [Horticulture](#). Specified courses in the agreement must be passed with a grade of B or higher to be eligible for transfer credit. Call the Department of Landscape Architecture and Horticulture for details at 267-468-8181.

Upper Darby High School Agreement

Graduates from Upper Darby High School who meet Temple's admission standards and apply to the [Associate in Science in Horticulture](#) program within one year of high school graduation may receive up to 6 transfer credits toward the Associate's degree. Students must complete specified high school courses with a grade of B or higher. Students should see their Upper Darby High School counselor for details.

For a listing of all Temple University articulation agreements, go to www.temple.edu/vpus/ucc/core_transfers.htm

Financial Aid and Scholarships

In addition to assistance from the Department of Student Financial Services, there are several scholarships and grants-in-aid that are available only to Ambler College students: Horticulture, Landscape Architecture, and Community and Regional Planning. Also see the [Financial Aid](#) section of this *Bulletin*.

W. B. Saul High School of Agricultural Sciences Scholarships

Two scholarships, the Robert Hunt Scholarship and the William Mifflin Scholarship, are available to students graduating from Philadelphia's W. B. Saul High School who are admissible to Temple University and wish to study Horticulture, Landscape Architecture, or Community and Regional Planning. Interested Saul students should contact the principal of the high school for information.

Grants and Scholarships for Community and Regional Planning Students

Applications for the following are available from the Department of Community and Regional Planning and at www.temple.edu/ambler/ac_services/scholarshipslah.htm.

- **Arthur F. Loeben Scholarship in Community and Regional Planning:** awarded to a freshman or transfer student majoring in Community and Regional Planning. The Chairperson of the Department of Community and Regional Planning chooses the recipient of the tuition scholarship based on academic performance, extracurricular activities, and interest in the field of planning. A one-page essay describing the importance of planning in the student's community is required. The application deadline is March 1. The scholarship is a \$1,000 renewable award, which a student may receive for up to four years by maintaining at least a 3.0 cumulative grade point average and by remaining enrolled in the Community and Regional Planning bachelor's degree program.
- **The Toward Sustainability Scholarship:** an annual \$1,000 non-renewable scholarship awarded to an Ambler Campus sophomore or junior Community and Regional Planning major with a minimum grade point average of 2.75 or higher and a demonstrated commitment to community service.

Grants and Scholarships for Landscape Architecture and Horticulture Students

Applications for the following are available in the Department of Landscape Architecture and Horticulture office and at www.temple.edu/ambler/ac_services/scholarshipslah.htm.

- **Wilmer Atkinson Memorial Scholarship:** provides tuition assistance of varying amounts based on scholarship and financial need.
- **The Louise and James Bush-Brown Alumni Scholarship:** \$1,000 scholarship presented annually by the Ambler College Alumni Association to a current sophomore or junior based on character, worthiness, interest in chosen vocation, and academic excellence during the past year.
- **Stephanie Sherman Cohen Horticulture Scholarship:** established in 2005 by Stephanie Cohen, Founding Director of the Landscape Arboretum of Temple University Ambler and an Ambler College adult graduate, provides \$500 tuition support for an adult student (at least 30 years of age) based on academic excellence (3.0 grade point average or higher) who is studying Horticulture for a second degree or for a career change.
- **John Collins Academic Scholarship:** two \$1000 scholarships awarded to one junior in Landscape Architecture and one junior in Horticulture based on financial need, demonstrated leadership ability, and commitment to interdisciplinary collaboration.
- **Barry and Denise Cyphers Horticulture Scholarship:** awarded to a freshman student based on financial need, with preference for a participant in the Awbury Arboretum Apprentice Program.

- **Doylestown Nature Club Scholarship:** three scholarships of \$1,500 awarded annually based on academic performance and financial need. Preference is given to students from Bucks County.
- **Garden Club of Bala Cynwyd Scholarship:** two \$500 awards given annually based on academic performance and financial need. Preference is given to students from Bala Cynwyd.
- **Lou Henry Hoover Girl Scout Scholarship:** \$1,000 awarded annually to a student who has been active within the past five years in the Girl Scout Movement as a Senior Girl Scout, based on financial need.
- **Horticulture/Landscape Architecture Alumni Scholarship:** a \$750 scholarship funded by the Ambler College Alumni Association (ACAA) and awarded to a full-time student who has completed half of the credit requirement for the major, based on financial need, academic achievement, and volunteer service contributing to the well-being of the Ambler gardens and greenhouse. (Note: Recipients are not eligible for the Louise and James Bush-Brown Alumni Scholarship.)
- **Larkin Family Scholarship:** two \$1,000 renewable scholarships awarded annually to students from Maryland based on financial need.
- **The Jane R. Martin Memorial Scholarship:** seven \$500 scholarships awarded to students entering their sophomore year based on academic achievement and demonstrated potential for future success in Horticulture or Landscape Architecture.
- **Pennsylvania Landscape and Nursery Association (PLNA) Foundation Scholarship:** \$1,500 tuition award to a Horticulture major, in year two of the Associate's degree program or in year three or four of the Bachelor's degree program, with a grade point average of at least 3.0 in the major and at least 2.5 cumulatively, who has excelled in projects demonstrating ability to apply the knowledge gained to real life situations. Students are nominated by department faculty.
- **Peter G. Schlotterer Ecological Restoration Scholarship:** two \$2,000 scholarships awarded annually to junior or senior students who reside in southeastern Pennsylvania and demonstrate commitment to environmental preservation and restoration. The scholarships are based on academic performance and financial need.
- **Solomon Scholarship for Academic Excellence in Landscape Architecture:** \$4,000 scholarship which recognizes a minority and/or female student in Landscape Architecture who demonstrates high academic achievement and financial need.
- **Lenora Friesleben Vaughan Scholarship:** \$500 scholarship awarded annually to a student entering the sophomore year, based on academic performance and financial need.
- **Woman's National Farm and Garden Association, National Level, Scholarship:** two \$1,000 scholarships awarded annually based on academic performance and financial need.
- **Woman's National Farm and Garden Association, Beacon Hill of New Jersey Branch, Scholarship:** \$500 awarded annually to a female student from New Jersey, based on academic performance and financial need.
- **Woman's National Farm and Garden Association, Pennsylvania Division :** \$500 scholarship awarded annually to a female student, preferably from western Pennsylvania, based on academic performance and financial need.

Special Programs and Facilities

Center for Sustainable Communities (CSC) at Temple University Ambler

Jeffrey Featherstone, Ph.D., Director

Susan Spinella, M.S., Assistant Director

www.csc.temple.edu

The Center for Sustainable Communities develops and promotes new approaches to protecting and preserving quality of life through sustainable development, balancing the relationship between environmental integrity, economic prosperity, and social equity. It was designed to build on Temple University Ambler's strengths in horticulture and landscape architecture and to draw upon the expertise of all Temple University faculty. A working resource for government agencies, community organizations, and developers, the Center provides objective information and services to improve decision-making relative to land use and water resources planning, in addition to conducting interdisciplinary research and offering educational and community outreach programs. Students in degree programs in Community and Regional Planning, Horticulture, and Landscape Architecture have the opportunity to take full advantage of the CSC to obtain practical experience on campus.

Greenhouse

267-468-8174

www.temple.edu/ambler/about/facilities.htm#special

The Greenhouse provides students with a first-class facility to study plant and soil science. The energy-efficient greenhouse includes computerized climate controls and thermal blankets to protect the plants in the winter and shade them in the summer. Modern fertilizer injection systems water and fertilize plants simultaneously. In addition to being used for coursework, the Greenhouse provides faculty and students with a facility to conduct horticulture research that is at the forefront of the industry.

The Landscape Arboretum of Temple University Ambler

Jenny Rose Carey, Director

267-468-8400

www.temple.edu/ambler/arboretum/

The Temple University Ambler Campus has a long history and rich tradition of horticulture and landscape design. Established as the Pennsylvania School of Horticulture for Women in 1911, the 187-acre campus represents a unique mix of natural and designed landscapes.

The gardens and campus serve as an excellent outdoor teaching laboratory for numerous classes and as a source of inspiration for students, faculty, and visitors. The campus was officially designated an arboretum in March 2000. Now known as The Landscape Arboretum of Temple University Ambler, it continues to develop as a living laboratory. The formal gardens have recently been revitalized to express the character of their original design, and many new garden additions are included throughout the grounds.

As the home of Temple University's Department of Landscape Architecture and Horticulture, the Ambler Campus has a myriad of learning gardens, including a ground cover garden, native plant garden, formal gardens, green roof garden, rock wall, woodland garden, sustainable wetland garden, trial garden, the Viola Anders herb garden, the Philip A. and Barbara F. Albright Winter Garden, and large perennial borders. New gardens under construction are a dwarf conifer garden and a healing garden.

Semester Abroad

After careful consultation with their advisors, juniors and seniors in Landscape Architecture and Horticulture and students in other Ambler College programs may elect to enroll in a semester abroad. Many options are available, including the Rome or Japan campuses. For more information about Study Abroad options, see [International Programs and Study Abroad](#).

Awards for Achievement and Honor Societies

Academic and Leadership Awards

All Ambler Campus students are eligible to qualify for the academic and leadership awards presented annually that are described in the [Ambler Campus section](#) of this *Bulletin*.

The following annual awards are available to Department of Landscape Architecture and Horticulture students only. For applications, go to www.temple.edu/ambler/ac_services/scholarshipslah.htm.

- **Ambler College Alumni Association (ACCA) Award:** \$100 to a graduating student in Horticulture or Landscape Architecture for dedication, unselfishness, and contribution to Ambler College.
- **American Society for Horticultural Science Award:** recognizes an outstanding senior majoring in Horticulture; based on scholarly achievement, leadership activities, participation in campus/club activities, and service to the department.
- **American Society of Landscape Architects (ASLA) Student Awards of Honor and Merit:** recognize students, with cumulative averages of at least 3.0, who, in the opinions of their faculty and professionals from the local ASLA chapter, have achieved a sustained level of outstanding performance in their studies and show promise of making significant contributions to the profession.
- **American Society of Landscape Architects (ASLA), Pennsylvania/Delaware Chapter, Central Pennsylvania Section, Design Excellence Award:** \$1,000 award to a Landscape Architecture major entering the junior or senior year, who, in the opinion of the department faculty, shows design excellence, leadership, and professional promise. The award will fund expenses associated with attending the ASLA National or State Meeting.
- **Viola Anders Merit Award:** \$100 award funded by the Ambler College Alumni Association and presented to one graduating student and one undergraduate in Horticulture or Landscape Architecture for meritorious service in the greenhouse or the Landscape Arboretum of Temple University Ambler.
- **Bierhuizen Family Undergraduate Research Award:** \$500 presented annually to a Horticulture student to help defray the costs associated with the Senior Research Project.
- **The Emma Blakiston-Frances Lukens Book Award:** \$50 award for the purchase of books, given to the member of the graduating class in Horticulture and Landscape Architecture who ranks highest in academic achievement.
- **The Faculty Special Contribution Award:** \$100 presented, when merited, in recognition of a graduating student's outstanding contributions to the improvement of the department.
- **Landscape Architecture and Horticulture Faculty Award:** \$100 presented to graduating students in Horticulture (A.S.), Horticulture (B.S.), and Landscape Architecture (B.S.) for academic excellence and personal growth during their years at Ambler.

- **Philadelphia Flower Show Commendation:** recognizes students for distinguished leadership and service in the planning and implementation of the department's annual exhibit.
- **The Pi Alpha Xi Award of Admiration:** presented to a graduating member of the Alpha Mu chapter of the Pi Alpha Xi national horticulture honor society who is most admired by his/her peers.
- **The Special Achievement Award:** \$100 presented, when merited, in recognition of a student's perseverance and determination in pursuit of the Associate in Science or Bachelor of Science degree.

Landscape Architecture and Horticulture Honor Societies

Pi Alpha Xi is the national honor society for students majoring in horticulture. To be admitted to the society, a student must be a junior or senior, have a cumulative grade point average of at least 2.75, and have a grade point average of at least 3.0 in all horticulture courses.

Sigma Lambda Alpha is the honor society for landscape architecture majors. To be admitted to the society, a student must be a junior or be in the fifth semester of their program and have a cumulative grade point average of at least 3.2. A student who does not qualify in the junior year may be elected in the senior year.

Student Associations

Landscape Architecture and Horticulture Student Association

This organization, which incorporates a Pennsylvania/Delaware Student Chapter of the American Society of Landscape Architects (ASLA), holds annual fundraising events, such as plant sales, and sponsors a student-mentoring program.

In addition, all Ambler College students may participate in the student organizations listed in the [Ambler Campus section](#) of this *Bulletin*.

Academic Advising Information

Academic and Career Development
 Susan McCaffrey, Assistant Director of Student Services
 West Hall 109
 267-468-8200
tuaadvis@temple.edu
www.temple.edu/ambler/advising/

The Office of Academic and Career Development provides access for Ambler College students to both professional and faculty advisors who assist students with their choice of programs and curricula, help students understand the university and its policies and procedures, and help students to attain their vocational and postgraduate goals.

Students must assume primary responsibility for knowing the requirements for their degree and for acquiring current information about their academic status. Academic advisors attempt to avoid errors when advising students about their program requirements, but schools and colleges cannot assume liability for errors in advising.

Newly-admitted freshmen and transfer students are advised for their first semester by professional advisors. Continuing students with 30 semester hours or more usually see faculty advisors.

The services provided by this office include:

For New Students (Freshmen and Transfer):

- Academic Preview during the New Student Orientation Program (including an online orientation option for new transfer students).
- Academic counseling.
- Registration.

For Continuing Students:

- Academic counseling.
- Career development counseling, workshops, career fair.
- Curriculum advising.
- Final graduation clearance.
- Pre-professional advising.
- Transfers between colleges and campuses within the university (IUT), withdrawal, readmission, and reinstatement interviews.
- Registration assistance.

For Prospective Students:

- Academic counseling.
- Information sessions.

For Continuing Education (non-matriculated) Students, including Visiting and High School Students:

- Academic counseling.
- Registration.

For Students with Disabilities:

- Documentation review.
- Accommodation arrangements.

For All Students:

- Referrals to other university programs and services.
- Information on academic grievance procedures.
(Non-academic grievances should be directed to the Office of Student Life.)

Academic Policies & Regulations

Please see [Academic Policies](#). Students are responsible for complying with all university-wide academic policies that apply to their individual academic status. Additional and unique policies, or exceptions, for Ambler College appear below.

Dean's List

A student whose semester average is 3.5 or above is awarded the distinction of being placed on the Ambler College Dean's List. To be eligible, a full-time student must be matriculated, carry at least 12 credits of graded courses in that semester, and achieve a grade point average of at least 3.5. A part-time matriculated student must have completed the fall semester and following spring semester with a combined total of at least 12 semester hours of graded course work and achieved a combined two-semester grade point average of 3.5 or above. Students whose semester grades include one or more MG (Missing Grade) or unresolved I (Incomplete) are excluded from consideration since grade changes may affect cumulative grade point averages.

Readmission/Reinstatement

Ambler College students who have voluntarily withdrawn from the University and wish to return must file the appropriate form if they had one semester (fall or spring) or more of non-attendance. Forms may be obtained in the Office of Academic Services, West Hall, Lower Level 11. Before a readmission decision can be made, the student is requested to indicate any course taken since leaving Temple, and provide a copy of an official transcript from each institution attended. Both the academic advisor and the student have the right to request an interview as part of the procedure. Students who received a medical withdrawal may be asked to provide medical documentation clearing them to return to school and to schedule an interview with an advisor before a readmission decision can be made.

Students who were dismissed for academic reasons should see the university policy on [Academic Warning, Probation, Dismissal, and Reinstatement](#).

Second Degrees

Students who have earned a bachelor's degree may earn a second bachelor's degree in Landscape Architecture or Horticulture. Students who are interested in Community and Regional Planning should consider enrolling in the Community and Regional Planning Master of Science degree program. Schools and colleges may waive up to 9 credits of degree requirements outside the second major for students who already have a bachelor's degree. See [Second Degrees](#) in the [Academic Policies](#) section.

Student Grievance Procedures

All students have the right to adjudicate grievances concerning academic matters in a fair and expeditious manner. Consult your academic advisor for information on procedures. Non-academic grievances should be directed to the Ambler Campus Office of Student Life. Also see [Grievances](http://www.temple.edu/bulletin/Responsibilities_rights/rights/rights.shtm#grievance) at www.temple.edu/bulletin/Responsibilities_rights/rights/rights.shtm#grievance.

General College Graduation Requirements

Please see [Academic Policies](#). The following policies apply to all Ambler College students:

Academic Residency Requirements

All undergraduates must take 30 of their last 45 semester hours at Temple University. Community and Regional Planning majors must complete at least half of the courses required in the major at Temple. While candidates for a degree at Temple, students wishing to take academic work at another institution, either classroom or online courses offered during the regular year or in summer sessions, must have an advisor's prior approval before enrolling at the other institution. See [Academic Policies](#).

Courses Inapplicable to Graduation

Credits earned in the following courses are not applicable toward degrees awarded by Ambler College: ELECT, Russell Conwell Center (SRAP), Mathematics 0015, and lower-level courses in Military Science. A maximum of 4 courses or up to 12 semester hours for upper-level Military Science (Army ROTC), Naval Science (Navy ROTC), or Aerospace Studies (Air Force ROTC) courses will be applicable toward graduation credits. For the Department of Landscape Architecture and Horticulture (LAH), Horticulture 1001, unless it is the student's first LAH course or part of a successful credit certificate, is not applicable toward degree credit.

Grades and Grade Point Average

To be awarded an Ambler College degree, students must have a cumulative grade point average of at least 2.0 and pass all General Education or Core courses with a C- or higher. In addition, Community and Regional Planning majors must pass every required Community and Regional Planning course with a C- or higher and have a cumulative average of at least 2.0 for all courses in the major. For degrees in Landscape Architecture and Horticulture, no more than one grade below a C- is allowed in any course in either Landscape Architecture or Horticulture.

Program Requirements

Planning a Program of Study

The information in the following requirements sections is designed to provide students with guidance in planning their program of study. The requirements, electives, and, in some cases, sequences are detailed. Courses are scheduled for students to follow the planned sequence. If students do not follow their program as designed, they may face conflicts or not have required prerequisites that will necessitate enrolling for additional semesters to complete their requirements.

If students enter a program after the freshman year, they must understand that their degree requirements may not be met within the traditional eight semesters (or four semesters for the Associate's degree). When students first meet with their academic advisor, they should plan how long it will take to complete their degree requirements.

Requirement Modifications

The requirements for the degrees are under continuing review and are, therefore, subject to modification. See the latest departmental degree requirements for any changes and meet with an advisor to ensure these changes are met.

Additional Notes

The total number of credit hours at graduation may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.

Certain courses fulfill multiple requirements. In consultation with their academic advisor, students will be able to plan their curriculum more effectively.

Students must fulfill the necessary prerequisites for any given course or course sequence. See the [Prerequisite and Co-requisite Policy](#) in the university-wide Academic Policies section of this *Bulletin*.

Important Student Contact Information

Contact information for academic departments can be found under the listing for each individual program.

Senior Associate Dean
Lolly Tai, Ph.D.
Administration Building, First Floor
267-468-8011
e-mail: lollytai@temple.edu

Assistant Dean for Student Life
Wanda Lewis-Campbell, Ed.D.
Bright Hall 101
267-468-8425
e-mail: wanda.lewis-campbell@temple.edu

For other contact information, such as Financial Services, Registration, Career Services, and Disability Services, see the [Ambler Campus section](#) of this *Bulletin*.

An up-to-date Directory of all Temple University Ambler personnel (name, title, office location, telephone number, and e-mail address) is available at www.temple.edu/ambler/about/directories.htm.

Faculty

For contact information or updates, go to www.temple.edu/ambler/about/directories.htm

Administration

James W. Hilty, Acting Dean, Ambler College; CEO, Temple University Ambler; Ph.D., University of Missouri

Crisbel Baez, Manager for Administration, B.B.A., Temple University

Jenny Rose Carey, Director, The Landscape Arboretum of Temple University Ambler, B.Sc., Southampton University, England

Marylou Delizia, Director, Temple University Fort Washington Graduate and Professional Education Center; Director, Office of Non-Credit and Special Programs; M.Ed., Temple University

Jeffrey Featherstone, Director, Center for Sustainable Communities; Research Professor, Department of Community and Regional Planning, Ph.D., Temple University

Bonnie Frumer, Assistant Dean for Curriculum, M.A., Temple University

Rachel Oliver Gionta, Assistant Director of Admissions, B.A., Temple University

Deborah Howe, F.A.I.C.P., Chair and Professor, Department of Community and Regional Planning, Ph.D., University of Michigan

Saul Katzman, Director of Finance and Operations, B.B.A., Temple University

Wanda Lewis-Campbell, Assistant Dean for Student Life, Ed.D., Temple University

Irene Lojeski, Assistant Director of Student Services-Academic Services and Administration, M.Ed., Temple University

Linda M. Lowe, Director of Development and Alumni Affairs, B.A., Duquesne University

Susan McCaffrey, Assistant Director of Student Services-Academic Advising; Disability Resources and Services Coordinator; M.S., Western Maryland College

Jennifer S. Mull, Assistant Director of Development, B.A., Ashford University

Mary E. Myers, R.L.A., A.S.L.A., Chair and Associate Professor, Department of Landscape Architecture and Horticulture, Ph.D., Heriot-Watt University, Edinburgh College of Art, Scotland

Susan E. Spinella, Assistant Director, Center for Sustainable Communities; Adjunct Assistant Professor, Department of Community and Regional Planning; M.S., Temple University

Lolly Tai, R.L.A., F.A.S.L.A, Senior Associate Dean, Professor of Landscape Architecture; Ph.D., Heriot-Watt University, Edinburgh College of Art, Scotland

James Van Blunk, Director of Admissions and Marketing, M.S.Ed., Saint Joseph's University

Community and Regional Planning

Professor

Deborah Howe, F.A.I.C.P., Chair, Ph.D., University of Michigan

Research Professor

Jeffrey Featherstone, Director, Center for Sustainable Communities, Ph.D., Temple University

Research Associate Professor

M. Richard Nalbandian, A.I.C.P., M.R.P., University of Pennsylvania; M.S., Massachusetts Institute of Technology

Assistant Professor

Lynn A. Mandarano, P.E., Ph.D., University of Pennsylvania

Bradley Flamm, Ph.D., University of California Berkeley

Senior Lecturer

William Cohen, A.I.C.P., Ph.D., University of Pennsylvania

Adjunct Assistant Professor

Rachel B. Cohen, M.U.P., M.S.W., University of Michigan

Jeffrey P. Doshna, M.C.R.P., Rutgers, The State University of New Jersey

Charles Guttenplan, A.I.C.P., M.U.R.P., University of Pittsburgh

Md. Mahbubur Meenar, Senior Geographic Information Systems Design Specialist, Center for Sustainable Communities, M.U.P., State University of New York at Buffalo

Susan E. Spinella, Assistant Director, Center for Sustainable Communities, M.S., Temple University

Cory A. Thomas, M.C.P., University of Cincinnati

Joanne Walker, J.D., M.P.A., Syracuse University

Landscape Architecture and Horticulture

Professor

Lolly Tai, R.L.A., F.A.S.L.A., Ph.D., Heriot-Watt University, Edinburgh College of Art, Scotland

Associate Professor

Pauline Hurley-Kurtz, R.L.A., A.S.L.A., M.L.A., University of Pennsylvania

Baldev S. Lamba, R.L.A., A.S.L.A., M.L.A., University of Pennsylvania

Valencia Libby, M.S., University of Delaware

Mary E. Myers, R.L.A., A.S.L.A., Chair, Ph.D., Heriot-Watt University, Edinburgh College of Art, Scotland

Elizabeth Sluzis, Ph.D., Rutgers, The State University of New Jersey

Assistant Professor

Robert Kuper, M.L.A., Auburn University

Michael Olszewski, Ph.D., University of Delaware

Jun Yang, Ph.D., University of California, Berkeley

Lecturer

Eva Monheim, M.A., Arcadia University

Adjunct Instructor

Paul Andersen, Jr., R.L.A., A.S.L.A., C.L.A.R.B., B.L.A., University of Minnesota

Stuart Appel, R.L.A., M.B.A., LaSalle University

Bradley Baker, B.S., Cornell University

Charles Brenton, A.S.L.A, M.L.A., University of Georgia

Jenny Rose Carey, Director, The Landscape Arboretum of Temple University Ambler, B.Sc., Southampton University, England

John Paul Carman, F.A.S.L.A, B.S.L.A., Cook College, Rutgers, The State University of New Jersey

Barry Cyphers, M.S., Widener University

Sarah Deacle, M.S., Michigan State University

Johannah Fine, M.S., University of Massachusetts, Amherst

Mark A. Focht, R.L.A., A.S.L.A., M.L.A., University of Massachusetts

Andrea Hallmark, M.L.A., University of Pennsylvania

Paul Lepard, A.S.L.A., M.L.A. University of Pennsylvania

Michael LoFurno, B.S.L.A, The Pennsylvania State University

Susan Mrugal, R.L.A., M.S., West Chester University

Ronald McKnight, R.L.A., A.S.L.A., B.S.L.A., The Pennsylvania State University

Joseph Muldowney, Registered Surveyor and Regulator, B.S., Saint Joseph's University

John Munro, B.A., Eastern University

Lynn Marie Raus, A.S.L.A., B.S.L.A., The Pennsylvania State University

Julie Regnier, R.L.A., M.L.A., University of Pennsylvania

Margaret Schofield, M.A., Villanova University

Kevin Selger, R.L.A., A.S.L.A., M.L.A., North Carolina State University

Priscilla Shaffer, B.A., Temple University

Derik F. Sutphin, R.L.A., M.L.A., University of Pennsylvania

Brent C. Whiting, Senior Technical Support Specialist, Computer Services, B.S.L.A., Temple University

Emeritus Faculty

John Collins
George H. Manaker
George Whiting
Hans Zutter

Certificate in Environmental Sustainability

Ambler College
Academic Advising and Career Development
West Hall 109
267-468-8200
tuaadvis@temple.edu

Students, who are interested in the environment and in learning how to positively impact the world around them, may want to consider completing the new Ambler College credit Certificate in Environmental Sustainability. This certificate provides students with the basic knowledge needed to evaluate environmental problems and to draw ecologically and economically sound connections between environmental needs, policy issues, and current research.

The certificate is available to all undergraduate degree students to complete as part of their studies, and it is also available to non-matriculated (non-degree) students. Consult an Ambler College academic advisor about how the required classes fit into your academic and career plans. Courses in this certificate program are offered during the daytime at the Ambler Campus; some are also available at the Main Campus.

This credit certificate may be conferred upon a student by recommendation of the faculty and upon satisfactory completion of the required credits with a minimum cumulative GPA of 2.0.

Department	Course #	Course Name	Hours
REQUIRED COURSES:			
LAN ARC	0841	Sustainable Design	3
	or 1013	Natural & the Built Environment	
EES	1001	Introduction to Geology	4
or Botany	or 1112	or Plant Ecology	or 3
C+R PLN	1017	Introduction to Community & Regional Planning	3
	or 1027	or History & Practice of Community & Regional Planning	
SUSTAINABILITY TOPICS-Select two (2) courses (minimum of 6 s.h.) from:			6
C+R PLN	2014	Planning Policy and Law (3 s.h.)	

C+R PLN	2155	Housing & Community Development (3 s.h.)	
C+R PLN	2213	Environmental Planning (3 s.h.)	
C+R PLN	3256	Sustainable Community Design & Development (3 s.h.)	
C+R PLN	3356	Urban & Regional Economics for Planning (3 s.h.)	
C+R PLN	3870	Special Topics in Community & Regional Planning (1-3 s.h.)*	
HORT	2334	Food Crops I (3 s.h.)	
HORT	2575	Introduction to Public Horticulture (3 s.h.)	
HORT	2850	Special Topics in Horticulture/Landscape Architecture I (1 s.h.)*	
HORT	2860	Special Topics in Horticulture/Landscape Architecture II (2 s.h.)*	
HORT	2870	Special Topics (1-3 s.h.)*	
HORT	3514	Landscape Restoration (3 s.h.)**	
LAN ARC	2758	Summer Field Ecology (3 s.h.)	
LAN ARC	2870	Special Topics (1-3 s.h.)*	
<p><i>Other courses may be added to this list with approval of an Ambler Campus academic advisor.</i></p> <p><i>* Acceptable if the topic is appropriate and approved by an Ambler College academic advisor</i></p> <p><i>**Prerequisites are Horticulture 1211 and 1212</i></p>			
Total Credits for the Environmental Sustainability Certificate			15-16

Community & Regional Planning

Deborah Howe, F.A.I.C.P., Ph.D.

Chair

West Hall 211

267-468-8300

crp@temple.edu

www.ambler.temple.edu/crp

There is an urgent need in this region and throughout the nation for professionals involved in developing plans for the growth and revitalization of urban, suburban, and rural communities. Students with degrees in planning have many employment options in the public and private sectors.

The mission of the Department of Community and Regional Planning at Temple University is to strengthen the effectiveness of planning practice in creating healthy, sustainable communities. Our educational programs prepare students with the understanding, values and skills that enable positive contributions in a rapidly changing world. Our research and service seek to advance knowledge and guide public decision making. Our place is metropolitan Philadelphia. We have a responsibility for articulating public interests that are important not only to Philadelphia, but to

the Commonwealth of Pennsylvania and the mid-Atlantic region. (*Adopted by the faculty, Department of Community and Regional Planning, February 2008*)

The Community and Regional Planning program helps students understand how to create and evaluate plans that make the best use of a community's land and resources for commercial, institutional, residential, and recreational purposes. Through classroom experience, team projects, and a required internship, students learn about the economic issues of planning and develop sensitivity to the social and environmental impact of planning decisions. They acquire communication and problem-solving skills through knowledge of Geographic Information Systems (GIS), site planning, planning and zoning law, research and design methods, American political institutions, negotiation, and mediation. Students in Community and Regional Planning have the opportunity to take advantage of the Center for Sustainable Communities to obtain practical experience on campus.

Degree Requirements

Bachelor of Science

The Bachelor of Science degree in Community and Regional Planning may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 124 semester hours of credit with a minimum cumulative GPA of 2.0 overall and in the major. A grade of C- or higher is required in all General Education and Core courses and in the required courses for the major. At least half of the courses required for the major must be completed at Temple University.

Summary of Requirements for the Degree

1. University requirements

- Math 0701 (4 s.h.) and/or English 0701 (4 s.h.), if required by placement testing.
- All Temple students must take a minimum of two writing-intensive courses as part of the major. See below for a list of the specific courses that are required for Ambler College majors.
- Students must complete a set of university requirements: General Education (GenEd) or Core

New freshmen students starting in the 2008-2009 academic year are required to complete the General Education curriculum (35-36 s.h.). See the [General Education](#) section of the *Undergraduate Bulletin*.

New transfer students starting in the 2008-2009 academic year are required to complete the university Core curriculum requirements (40-52 s.h.) including completion of the library orientation, Temple Information Literacy Tutorial or [TILT](#). Transfer students should see the [Core Curriculum section](#) of the *Undergraduate Bulletin*.

2. Major requirements (minimum of 42 s.h.)

- Fourteen (14) courses are required for the major in Community and Regional Planning (C+R PLN):

Eleven (11) Required Community and Regional Planning Courses

Department	Course #	Course Name	Hours	RCI
C+R PLN	1017	Introduction to Community and Regional Planning	3	
C+R PLN	1027	History and Practice of Community and Regional Planning	3	
C+R PLN	2014	Planning Policy and Law	3	
C+R PLN	2114	Urban Form and Design	3	
C+R PLN	2213	Environmental Planning	3	
C+R PLN	2413	Planning Communications	3	WI*
C+R PLN	2513	Analytical Methods in Planning	3	
C+R PLN	2524	Fundamentals of Geographic Information Systems	3	
C+R PLN	3889	Planning Studio	3	
C+R PLN	4885 **	Internship and Professional Practice in Planning	3	
C+R PLN	4896	Senior Community & Regional Planning Capstone Seminar	3	WI
Subtotal			33	
* Pending writing intensive approval				
** May be taken in the Summer between Years 3 and 4 or in Fall of Year 4				
*** Indicates writing-intensive capstone for the major				

Three (3) Community and Regional Planning Electives

Department	Course #	Course Name	Hours	RCI
C+R PLN	Electives	C+R PLN course at 2000-level or higher	9	
Subtotal			9	

Total for Major	42
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3. Electives (approximately 46-47 s.h. for General Education students and approximately 30-42 s.h. for Core students.)

- Students should consult with their advisor for recommended electives.

Landscape Architecture & Horticulture

Founded 1958

Mary E. Myers, R.L.A., A.S.L.A., Ph.D.

Chair
Dixon Hall 201
267-468-8181
la.hort@temple.edu
www.ambler.temple.edu/la-hort

The Department of Landscape Architecture and Horticulture offers four-year baccalaureate degree programs in Landscape Architecture and Horticulture; a two-year Associate in Science degree in Horticulture, with a general or business emphasis; and credit certificates in horticulture. The Landscape Architecture degree is accredited by the Landscape Architectural Accreditation Board.

With origins that trace back to the Pennsylvania School of Horticulture for Women, founded at Ambler in 1911, the department, throughout its history, has combined theory with practice. Committed to excellence in ecologically-based education, the department provides students with the knowledge and understanding of sustainable environments. Through an ecological approach to planning, design, development, and care of the land, the programs in Landscape Architecture and Horticulture promote the development of skills to improve the quality of urban, suburban, and rural communities. The unique curricula integrate horticulture and landscape architecture. A state-of-the-art greenhouse is available to students. Students and faculty also utilize the 187-acre Temple University Ambler campus as both an arboretum and living laboratory.

Careers in horticulture and landscape architecture are available in both the public and private sector. For landscape architecture graduates, careers in public landscape architecture include positions with regional, county, and city planning commissions, and park, recreation, housing, and transportation agencies. Private practice includes the design of recreational, residential, commercial, institutional, and industrial projects, as well as the overall planning of new communities. Environmental protection, historical restoration, and land reclamation efforts could also be an important part of the role of a landscape architect.

Students with a degree in horticulture could be involved in the production, use, installation, and management of plants. They may:

- Produce plants in greenhouses and nurseries for sale and landscape use.
- Design, install, and/or maintain residential, commercial, or public landscapes.
- Work in arboreta, botanic gardens, parks, or golf courses.
- Teach in a high school, community college, or university.
- Research new technologies and plants in private and public institutions.
- Work toward registration as a horticultural therapist.
- Write about plants and horticulture for articles, books, and copy on web sites.
- Work as an extension agent or specialist helping residential and commercial clients.
- Work in interior landscaping or floral design.
- Work as a sales representative for horticultural or allied industries.
- Own and operate their own business.

Financial Aid

In addition to assistance from the Department of Student Financial Services, there are several scholarships and grants-in-aid that are available only to Landscape Architecture and Horticulture students. Applications for department scholarships are available from the Department of Landscape Architecture and Horticulture office and at www.temple.edu/ambler/ac_services/scholarshipslah.htm. Also see [Financial Aid](#).

Continuing Education

The Department offers a variety of credit courses in the late afternoon, in the evening, and on weekends. These courses, available to degree seeking students, are also open to people interested in horticulture who are not seeking a degree. It is also possible, over a period of years, to complete all of the requirements for credit certificate programs or [Associate in Science in Horticulture](#) degree by attending late afternoon, evening, and weekend classes. For many, these courses are a means of advancing their careers; for others, they are a source of personal enrichment. For more information, contact the Department of Landscape Architecture and Horticulture.

Policies and Regulations

The following departmental policy is in addition to the university policies and regulations that apply to all undergraduate students and to the policies that apply to all Ambler College students.

Class Scheduling

The Associate's Degree in Horticulture can be completed through daytime or in late afternoon, evening, and Saturday classes. Students in the bachelor's degree programs in Horticulture and Landscape Architecture will be required to take classes during regular daytime hours, with some courses available in the evening and on weekends.

Horticulture Degree Requirements

Horticulture Bachelor of Science

The degree of Bachelor of Science in Horticulture may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 124 semester hours of credit with a minimum cumulative GPA of 2.0 overall and in the major. No more than one grade below a C- is allowed in any course in either Landscape Architecture or Horticulture.

Summary of Requirements for the Degree

1. University requirements

- Math 0701 (4 s.h.) and/or English 0701 (4 s.h.), if required by placement testing.

- All Temple students must take a minimum of two writing-intensive courses as part of the major. See below for a list of the specific courses that are required for Ambler College majors.
- Students must complete a set of university requirements: General Education (GenEd) or Core Curriculum:

New freshmen students starting in the 2008-2009 academic year are required to complete the General Education curriculum (29-30 s.h.) See the [General Education](#) section of the *Undergraduate Bulletin*.

New transfer students starting in the 2008-2009 academic year are required to complete the Core curriculum (33-44 s.h.), including completion of the Library Orientation, also known as Temple Information Literacy Tutorial or [TILT](#). Transfer students should see the [Core Curriculum section](#) of the *Undergraduate Bulletin*.

2. Department of Landscape Architecture and Horticulture bachelor's degree requirements (28 s.h.)

- Nine (9) courses are required:
Landscape Architecture 1013, 1142 and 2496; Botany 1111 and 1112; Horticulture 1211, 1212, 2114, and 3514.

3. Horticulture (HORT) major requirements (minimum of 54 s.h.)

- Two (2) Botany courses are required:
Botany 2121 and 3122.
- Nine (9) Horticulture courses are required:
Horticulture 2221, 2222, 2323, 2324, 2334, 3423, 3424, 3523, and 4896.
- Three (3) courses from other departments are required:
Chemistry 1021/1023 and 1022/1024; Strategic and Organizational Communication (STOC) 1111 OR Adult and Organizational Development (AOD) 1166.
- Three (3) Landscape Architecture, Horticulture, or Botany (LAN ARC/HORT/Botany) electives are required (minimum 9 s.h.).

4. Electives (approximately 12 s.h. for students satisfying GenEd requirements; approximately 9 s.h. for students satisfying Core requirements.)

Suggested Semester By Semester Plans

Requirements for New Freshman Students Starting in the 2008-2009 Academic Year

Year 1 - Fall				
Department	Course #	Course Name	Hours	RCI

Botany	1111	General Botany	4	
Chemistry	1021	Introduction to Chemistry I	3	*
Chemistry	1023	Introduction to Chemistry Laboratory I	1	
English	0802	Analytical Reading and Writing	4	GW
LAN ARC	1013	Natural and the Built Environment	3	
Semester Total			15	

*Satisfactory completion of Chemistry 1021, 1022, 1023, and 1024 will waive the two-course GenEd Science (GS) requirement.

Year 1 - Spring				
Department	Course #	Course Name	Hours	RCI
Botany	1112	Plant Ecology	3	
Chemistry	1022	Introduction to Chemistry II	3	*
Chemistry	1024	Introduction to Chemistry Laboratory II	1	
IH	0851	Mosaic: Humanities Seminar I	3	GY
GenEd	08xx	Quantitative Literacy	4	GQ
GenEd	08xx	Human Behavior	3	GB
Semester Total			17	

*Satisfactory completion of Chemistry 1021, 1022, 1023, and 1024 will waive the two-course GenEd Science (GS) requirement.

Year 2 - Fall				
Department	Course #	Course Name	Hours	RCI
HORT	1211	Woody Plants I	3	
HORT	2323	Greenhouse Management	3	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
GenEd	08xx	Arts	3-4	GA
GenEd	08xx	U.S. Society	3	GU
Semester Total			15-16	

Year 2 - Spring				
Department	Course #	Course Name	Hours	RCI
Botany	2121	Plant Physiology	4	
HORT	1212	Woody Plants II	3	
HORT	2114	Soils	3	
HORT	2324	Plant Propagation	3	
LAN ARC	1142	Design Communications	3	
Semester Total			16	

Year 3 - Fall				
Department	Course #	Course Name	Hours	RCI
HORT	2221	Herbaceous Plants I	3	
HORT	3523	Landscape Management	3	
LAN ARC	2496**	Landscape Traditions	3	WI
LAN	Elective		3	
GenEd	08xx	Global/World Society	3	GG
Semester Total			15	
** Indicates writing intensive course for the major.				

Year 3 - Spring				
Department	Course #	Course Name	Hours	RCI
HORT	2222	Herbaceous Plants II	3	
HORT	2334	Food Crops I	3	
HORT	3514	Landscape Restoration	3	
STOC	1111	Public Speaking	3	
		or		
AOD	1166	Interpersonal Communication through the Life Span		
GenEd	08xx	Race & Diversity	3	GD
Semester Total			15	

Year 4 - Fall				
Department	Course #	Course Name	Hours	RCI
Botany	3122	Applied Plant Physiology	3	
HORT	3423	Applied Entomology	3	
HORT	4896**	Senior Seminar	3	WI
LAN ARC/HORT/Botany		Elective	3	
Elective			3-4	
Semester Total			15-16	
** Indicates writing intensive capstone for the major.				

Year 4 - Spring				
Department	Course #	Course Name	Hours	RCI
HORT	3424	Applied Plant Pathology	3	
LAN		Elective	3	
Electives			9	
Semester Total			15	
DEGREE TOTAL			124	

Requirements for New Transfer Students Starting in the 2008-2009 Academic Year

Year 1 - Fall				
Department	Course #	Course Name	Hours	RCI
Botany	1111	General Botany	4	SA
Chemistry	1021	Introduction to Chemistry I <i>and</i>	3	SA
Chemistry	1023	Introduction to Chemistry Laboratory I	1	SA
English	0802	Analytical Reading and Writing	4	CO/GW
LAN ARC	1013	Natural and the Built Environment	3	
		Temple Information Literacy Tutorial	0	
Semester Total			15	

Year 1 - Spring				
Department	Course #	Course Name	Hours	RCI
Botany	1112	Plant Ecology	3	
Chemistry	1022	Introduction to Chemistry II <i>and</i>	3	SB
Chemistry	1024	Introduction to Chemistry Laboratory II	1	SB
IH	0851	Mosaic: Humanities Seminar I	3	IA/GY
Core	Elective	Quantitative Reasoning, First Level	3-4	QA/GQ
Core	Elective	International Studies/Language	3	L/IS/GG
Semester Total			16-17	

Year 2 - Fall				
Department	Course #	Course Name	Hours	RCI
HORT	1211	Woody Plants I	3	
HORT	2323	Greenhouse Management	3	
IH	0852	Mosaic: Humanities Seminar II	3	IB/GZ
Core	Elective	Quantitative Reasoning, Second Level	3-4	QB/GQ
Core	Elective	International Studies/Language	3	L/IS/GG
Semester Total			15-16	

Year 2 - Spring				
Department	Course #	Course Name	Hours	RCI
Botany	2121	Plant Physiology	4	SB
HORT	1212	Woody Plants II	3	
HORT	2114	Soils	3	SB
HORT	2324	Plant Propagation	3	
LAN ARC	1142	Design Communications	3	

Semester Total			16	
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Year 3 - Fall				
Department	Course #	Course Name	Hours	RCI
HORT	2221	Herbaceous Plants I	3	
HORT	3523	Landscape Management	3	
LAN ARC	2496	Landscape Traditions	3	WI
Core	Elective	American Culture	3	AC/GU
Core	Elective	Arts	3-4	AR/GA
Semester Total			15-16	

Year 3 - Spring				
Department	Course #	Course Name	Hours	RCI
HORT	2222	Herbaceous Plants II	3	
HORT	2334	Food Crops I	3	
HORT	3514	Landscape Restoration	3	
STOC	1111	Public Speaking or	3	
AOD	1166	Interpersonal Communication through the Life Span		
Core	Elective	Individual and Society	3	IN/GB
Semester Total			15	

Year 4 - Fall				
Department	Course #	Course Name	Hours	RCI
Botany	3122	Applied Plant Physiology	3	
HORT	3423	Applied Entomology	3	
HORT	4896*	Senior Seminar	3	WI
LAN ARC/HORT/Botany		Elective	3	
Core	Elective	Studies in Race	3	RS/GD
Semester Total			15	
* Indicates Writing Capstone for the major.				

Year 4 - Spring				
Department	Course #	Course Name	Hours	RCI
HORT	3424	Applied Plant Pathology	3	
LAN ARC/HORT/Botany		Electives	6	
Elective		Writing Intensive Elective**	3	WI
Elective(s)			2-5	
Semester Total			14-17	

Degree Total	124
**Note: Choosing a writing intensive course option (WI) as an "Elective" or choosing a Core "X" course in a previous semester will satisfy the requirement of a second elective writing intensive course.	

Horticulture Associate in Science

The degree of Associate in Science in Horticulture may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 60 semester hours with a minimum cumulative GPA of 2.0 overall and in the major. No more than one grade below a C- is allowed in any course in either Landscape Architecture or Horticulture.

General Horticulture Option

This option in the Associate's Degree is for students interested in developing a well-rounded background in all areas of horticulture or specializing in a particular area of interest such as floral design, integrated pest management, or arboriculture.

Suggested Semester By Semester Plan

Year 1 - Fall			
Department	Course #	Course Name	Hours
Botany	1111	General Botany	4
HORT	1001	Fundamentals of Horticulture	2
HORT	1211	Woody Plants I	3
English	0802	Analytical Reading and Writing	4
Math	0701	Elementary Algebra	3-4
GenEd	08xx	Quantitative Literacy	
Statistics	1001	Pre-Calculus for Business Students	
Semester Total			16-17

Year 1 - Spring			
Department	Course #	Course Name	Hours
Botany	1112	Plant Ecology	3
HORT	1212	Woody Plants II	3
HORT	2334	Food Crops I	3
LAN ARC/HORT/Botany		Electives	5-6
Semester Total			14-15

Year 2 - Fall			
Department	Course #	Course Name	Hours
HORT	2221	Herbaceous Plants I	3
HORT	2323	Greenhouse Management	3
HORT	3423	Applied Entomology	3
HORT	3523	Landscape Management	3
LAN ARC/HORT/Botany		Elective	3
Semester Total			15

Year 2 - Spring			
Department	Course #	Course Name	Hours
HORT	2114	Soils	3
HORT	2222	Herbaceous Plants II	3
HORT	2324	Plant Propagation	3
HORT	3424	Applied Plant Pathology	3
LAN ARC/HORT/Botany		Elective	3
Semester Total			15
DEGREE TOTAL			60-62

Horticulture Business Option

This option in the Associate's Degree is for students interested in developing a background in landscape horticulture and in business.

Suggested Semester By Semester Plan

Year 1 - Fall			
Department	Course #	Course Name	Hours
HORT	1211	Woody Plants I	3
Economics	1101	Macroeconomic Principles	3
English	0802	Analytical Reading and Writing	4
Law S.B.M.	0856	Law and American Society	3
Statistics	1001	Pre-Calculus for Business Students	3
Semester Total			16

Year 1 - Spring			
Department	Course #	Course Name	Hours
Botany	1112	Plant Ecology	3
HORT	1212	Woody Plants II	3
Accounting	2101	Financial Accounting	3
Economics	1102	Microeconomic Principles	3

HR MGMT	1101	Organization and Management	3
Semester Total			15

Year 2 - Fall			
Department	Course #	Course Name	Hours
HORT	2221	Herbaceous Plants I	3
HORT	3423	Applied Entomology	3
Marketing	2101	Marketing Management	3
HORT	Elective	<i>Select two:</i> HORT 2323, Greenhouse Management HORT 2366, Nursery Management HORT 2555, Arboriculture HORT 3523, Landscape Management	6
Semester Total			15

Year 2 - Spring			
Department	Course #	Course Name	Hours
HORT	2114	Soils	3
HORT	3424	Applied Plant Pathology	3
English	2596	Writing for Business and Industry	3
RSK MGT	2101	Introduction to Risk Management	3
HORT	Electives	<i>Select one:</i> HORT 2222, Herbaceous Plants II HORT 2565, Turf Management HORT 3514, Landscape Restoration	3
Semester Total			15
DEGREE TOTAL			61

Credit Certificates in Horticulture

Credit certificates may be conferred upon a student by recommendation of the faculty and upon satisfactory completion of the required credits for the specific topic area with a minimum cumulative GPA of 2.0 overall.

Horticultural Therapy

This credit certificate course sequence meets the horticultural therapy course content required by the American Horticultural Therapy Association (AHTA) for registration as a Horticultural Therapist. View the AHTA web site (www.ahta.org) for ADDITIONAL requirements for the Voluntary Professional Registration program as a Horticultural Therapist, such as supervised experience. Required courses are:

Department	Course #	Course Name	Hours
HORT	1001	Fundamentals of Horticulture	2
	<i>or</i>		
HORT	1651	Art of Floral Design I	3
HORT	2221	Herbaceous Plants I	3
HORT	2753	Introduction to Horticultural Therapy	3
HORT	2754	Horticultural Therapy Skills	3
HORT	2755	Horticultural Therapy Program Management	3
Total Credits for the Temple Ambler Horticultural Therapy Certificate			14-15

Landscape Plants

This credit certificate provides a brief introduction to the areas of horticulture and an intensive learning experience in both woody and herbaceous landscape plants. Learning the names and usage of plants provides a deeper understanding for anyone interested in gardening and landscaping. For the professional, it provides the essential knowledge of plants needed to design high-quality landscapes for clients. For the hobbyist, it provides information that enriches the gardening experience. Required courses are:

Department	Course #	Course Name	Hours
HORT	1001	Fundamentals of Horticulture	2
HORT	1211	Woody Plants I	3
HORT	1212	Woody Plants II	3
HORT	2221	Herbaceous Plants I	3
HORT	2222	Herbaceous Plants II	3
Total Credits for the Landscape Plants Certificate			14

Other credit certificate areas are under consideration. See the [Department of Landscape Architecture and Horticulture](#) web site for the latest information.

Landscape Architecture

Mary E. Myers, R.L.A., A.S.L.A., Ph.D.

Chair

Dixon Hall 201

267-468-8181

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Bachelor of Science

The degree of Bachelor of Science in Landscape Architecture may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 124

semester hours of credit with a minimum cumulative GPA of 2.0 overall and in the major. No more than one grade below a C- is allowed in any course in either Landscape Architecture or Horticulture.

Summary of Requirements for the Degree

1. University requirements

- Math 0701 (4 s.h.) and/or English 0701 (4 s.h.), if required by placement testing.
- All Temple students must take a minimum of two writing-intensive courses as part of the major. See below for a list of the specific courses that are required for Ambler College majors.
- Students must complete a set of university requirements: General Education (GenEd) or Core

New freshmen students starting in the 2008-2009 academic year are required to complete the General Education curriculum (29-30 s.h.) See the [General Education](#) section of the *Undergraduate Bulletin*.

New transfer students starting in the 2008-2009 academic year are required to complete the University Core Curriculum requirements (30-42 s.h.) including completion of the library orientation, Temple Information Literacy Tutorial or [TILT](#). Transfer students should see the [Core Curriculum section](#) of the *Undergraduate Bulletin*.

2. Department of Landscape Architecture and Horticulture requirements (28 s.h.)

- Nine (9) courses are required:
Landscape Architecture 1013, 1142, and 2496; Botany 1111 and 1112; Horticulture 1211, 1212, 2114 and 3514.

3. Landscape Architecture (LAN ARC) Major requirements (minimum of 60 s.h.)

- Seven (7) Landscape Architecture courses are required (21 s.h.):
Landscape Architecture 1244, 1544, 2241, 2242, 3243, 3345, and 3644.
- Six (6) Landscape Architecture studios are required (36 s.h.):
Landscape Architecture 2143, 2144, 3145, 3146, 4147, and 4198.
- One (1) Landscape Architecture, Horticulture, or Botany (LAN ARC/HORT/Botany) elective is required (minimum of 3 s.h.).

4. Electives (approximately 6 s.h.)

Suggested Semester By Semester Plans

Requirements for New Freshmen Starting in the 2008-2009 Academic Year

Year 1 – Fall				
Department	Course #	Course Name	Hours	RCI
LAN ARC	1013	Natural and the Built Environment	3	
Botany	1111	General Botany	4	*
English	0802	Analytical Reading and Writing	4	GW
GenEd	08xx	Quantitative Literacy	4	GQ
Semester Total			15	

*Satisfactory completion of Botany 1111 and Horticulture 2114 will waive the two-course GenEd Science (GS) requirement.

Year 1 – Spring				
Department	Course #	Course Name	Hours	RCI
LAN ARC	1142	Design Communications	3	
LAN ARC	1244	Surveying	3	
LAN ARC	1544	Introduction to CAD	3	
Botany	1112	Plant Ecology	3	
IH	0851	Mosaic: Humanities Seminar I	3	GY
Semester Total			15	

Year 2 – Fall				
Department	Course #	Course Name	Hours	RCI
LAN ARC	2143	Landscape Architecture Design Studio I	6	
LAN ARC	2241	Landscape Engineering I	3	
LAN ARC	2496	Landscape Traditions**	3	WI
HORT	1211	Woody Plants I	3	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Semester Total			18	

Note concerning tuition charges for 18 s.h.: Credits in excess of 17 s.h. are additionally assessed at the per semester hour tuition rate.

** Indicates writing intensive course for the major.

Year 2 – Spring				
Department	Course #	Course Name	Hours	RCI
LAN ARC	2144	Landscape Architecture Design Studio II	6	
LAN ARC	2242	Landscape Engineering II	3	
HORT	1212	Woody Plants II	3	
HORT	2114	Soils	3	*
Semester Total			15	

*Satisfactory completion of Botany 1111 and Horticulture 2114 will waive the two-course GenEd Science (GS) requirement.

Year 3 – Fall				
Department	Course #	Course Name	Hours	RCI
LAN ARC	3145	Landscape Architecture Design Studio III	6	
LAN ARC	3243	Landscape Engineering III	3	
LAN ARC	3345	Planting Design	3	
GenEd	08xx	Arts	3-4	GA
Semester Total			15-16	

Year 3 – Spring				
Department	Course #	Course Name	Hours	RCI
LAN ARC	3146	Landscape Architecture Design Studio IV: Design/Build	6	
GenEd	08xx	Race and Diversity	3	GD
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	U.S. Society	3	GU
Semester Total			15	

Year 4 – Fall (Ambler, Japan, or Rome Option)				
Ambler Option				
Department	Course #	Course Name	Hours	RCI
LAN ARC	4147	Landscape Architecture Design Studio V: Fall Senior Studio	6	
LAN ARC/HORT/Botany	Elective		3	
GenEd	08xx	Global/World Society***	3	GG
Elective			3	
Semester Total			15	
OR				
Japan or Rome Option				
Department	Course #	Course Name	Hours	RCI
LAN ARC	4147	Landscape Architecture Design Studio V: Fall Senior Studio	6	
Electives			9	
Semester Total			15	

*** Students who satisfy an approved overseas option may substitute an elective.

Year 4 – Spring				
Department	Course #	Course Name	Hours	RC
LAN ARC	3644	Professional Practice	3	
LAN ARC	4198^	Landscape Architecture Design Studio VI:	6	WI
HORT	3514	Landscape Restoration	3	

Elective		(Note: Japan or Rome students take a LAN ARC, HORT, or Botany elective instead)	3	
Semester Total			15	

^ Indicates writing intensive capstone for the major.

DEGREE TOTAL	124
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Requirements for New Transfers Starting in the 2008-2009 Academic Year

Year 1 – Fall				
Department	Course #	Course Name	Hours	RCI
LAN ARC	1013	Natural and the Built Environment	3	
Botany	1111	General Botany	4	SA
English	0802	Analytical Reading and Writing	3-4	CO/GW
Core	Elective	Quantitative Reasoning, First-level	3-4	QA/GQ
		Temple Information Literacy Tutorial	0	
Semester Total			13-15	

Year 1 – Spring				
Department	Course #	Course Name	Hours	RCI
LAN ARC	1142	Design Communications	3	
LAN ARC	1244	Surveying	3	
LAN ARC	1544	Introduction to CAD	3	
Botany	1112	Plant Ecology	3	
Core	Elective	Quantitative Reasoning, Second-level	3-4	QB/GQ
Semester Total			15-16	

Year 2 – Fall				
Department	Course #	Course Name	Hours	RCI
LAN ARC	2143	Landscape Architecture Design Studio I	6	
LAN ARC	2241	Landscape Engineering I	3	
LAN ARC	2496	Landscape Traditions	3	WI
HORT	1211	Woody Plants I	3	
IH	0851	Mosaic: Humanities Seminar I	3	IA/GY
Semester Total			18	

Note concerning tuition charges for 18 s.h.: Credits in excess of 17 s.h. are additionally assessed at the per semester hour tuition rate.

Year 2 – Spring				
Department	Course #	Course Name	Hours	RCI

LAN ARC	2144	Landscape Architecture Design Studio II	6	
LAN ARC	2242	Landscape Engineering II	3	
HORT	1212	Woody Plants II	3	
HORT	2114	Soils	3	SB
Semester Total			15	

Year 3 – Fall				
Department	Course #	Course Name	Hours	RCI
LAN ARC	3145	Landscape Architecture Design Studio III	6	
LAN ARC	3243	Landscape Engineering III	3	
LAN ARC	3345	Planting Design	3	
IH	0852	Mosaic: Humanities Seminar II	3	IB/GZ
Semester Total			15	

Year 3 – Spring				
Department	Course #	Course Name	Hours	RCI
LAN ARC	3146	Landscape Architecture Design Studio IV: Design/Build	6	
Core	Elective	Individual and Society	3	IN/GB
Core	Elective	American Culture	3	AC/GU
Core	Elective	Studies in Race	3	RS/GD
Semester Total			15	

Year 4 – Fall (Ambler, Japan, or Rome Option)				
Ambler Option				
Department	Course #	Course Name	Hours	RCI
LAN ARC	4147	Landscape Architecture Design Studio V: Fall Senior Studio	6	
LAN ARC/HORT/Botany	Elective		3	
Core	Elective	Arts	3-4	AR/GA
Core	Elective	International Studies/Language	3	L/IS/GG
Semester Total			15-16	
OR				
Japan or Rome Option				
Department	Course #	Course Name	Hours	RCI
LAN ARC	4147	Landscape Architecture Design Studio V: Fall Senior Studio	6	
Core	Elective	Arts	3-4	AR
Electives			6	

Semester Total			15-16	
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Year 4 – Spring				
Department	Course #	Course Name	Hours	RCI
LAN ARC	3644	Professional Practice	3	
LAN ARC	4198^	Landscape Architecture Design Studio VI: Spring Senior Studio	6	WI
HORT	3514	Landscape Restoration	3	
Core	Elective	International Studies/Language (Note: Japan or Rome students take a LAN ARC, HORT, or Botany elective instead)	3	L/IS/GG
Semester Total			15	

^ Indicates writing intensive capstone for the major.

DEGREE TOTAL	124
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TYLER SCHOOL OF ART

Founded 1935

Therese Dolan, Interim Dean

Elkins Park Programs
2201 North 13th Street
Philadelphia, PA 19122
215-777-9000

Main Campus Programs
1947 N. 12th Street
Philadelphia, PA 19122
215-782-2828

www.temple.edu/tyler
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Introduction

Goals and Objectives

The Tyler School of Art provides a comprehensive curriculum in fine arts, crafts, design, art education, art history, and architecture. The Bachelor of Fine Arts (B.F.A.) professional programs are offered in Ceramics/Glass, Fibers, Graphic and Interactive Design, Metals/Jewelry/CAD-CAM, Painting/Drawing, Photography, Printmaking, Sculpture, and B.F.A. Studio with Teaching Certification. A concentration in Digital Imaging is available to B.F.A.

studio majors. The Tyler School of Art also offers the Bachelor of Arts (B.A.) in Art (with a concentration in Studio Art, Visual Studies, or Digital Media), the B.A. in Art History, the Bachelor of Science (B.S.) in Art Education, B.S. in Architecture, and the Bachelor of Architecture (B.Arch.) professional program. Summer classes, pre-college programs and weekend workshops are available. For information on graduate programs, please go to the Tyler web site at www.temple.edu/tyler.

History

Stella Elkins Tyler donated her estate to Temple University in the early 1930s. With an interest in progressive education and a deep appreciation of her mentor, the sculptor Boris Blai, Mrs. Tyler offered her estate with the expressed wish that, through Boris Blai, it would become an environment for the advancement of the fine arts, scholarly study in the arts, and individual creativity.

As founding Dean of Tyler School of Art, Blai instilled within the School a commitment to progressive education, emphasizing the student's mastery of technique within the framework of a liberal arts curriculum. Dean Blai insisted upon individual attention to each student's needs as the basis of successful teaching. During his 25-year tenure Dean Blai shaped the school into one of the finest visual arts centers in the country, and his founding ideals still remain paramount to Tyler's educational philosophy.

In 1960 Dean Charles Le Clair succeeded Boris Blai. During this period the Tyler Campus was improved with construction of a residence hall and two studio/classroom buildings. In 1966 Dean Le Clair founded the Tyler Study Abroad program in Rome, Italy. Tyler's Rome Campus thrives today as one of the most respected fine arts study abroad programs in Europe. The program has expanded to include a full range of liberal arts, architecture, business, and law courses, with an emphasis on topics relating to Rome, Italy, and the European Common Market.

Throughout the 1960s and 1970s, Tyler's curriculum continued to grow in response to new definitions of art-making and the role of art in society. New programs and modern facilities in design, ceramics, glass, metals, and photography were added. During this time, Tyler developed the Art and Art Education department and the Art History department on Temple's main campus. These departments serve majors seeking the B.A. degree with a major in art or art history, the B.S. degree in art education, and non-majors throughout the University. Today, the curriculum at Tyler continues to address contemporary needs by incorporating digital technology, video, installation, and performance.

From its modest enrollment of 12 students in the first freshman class in 1935, Tyler now boasts a student body of over 1,400 and serves another 2,000-3,000 students each year in elective and core curriculum courses. Today, Tyler is a dynamic organization, serving students at its Elkins Park Campus, as well as Temple's main campus, the Ambler Campus, and the Temple University Rome and Tokyo campuses. For over 65 years, the foundation of Tyler's program has been a faculty of practicing artists and scholars teaching highly-talented and motivated students.

We look forward to our future home on the main campus of Temple University. Award-winning architect [Carlos Jimenez](#), designer of some of the country's premier art education facilities and exhibition spaces, has been selected to design Temple's new [Tyler School of Art](#) building. The new Tyler building will be located adjacent to the Esther Boyer College of Music and Dance, joining Tyler Architecture Program and the School of Communications and Theater to form a "mini arts campus" within Temple's main campus. Easy access to the wealth of academic courses in Temple's other schools and colleges, athletics, residence halls, student parking, student organizations, and the active campus life of Temple University will add cosmopolitan breadth to Tyler's studio and academic programs. The new facility will be ready for the Spring 2009 semester – please refer to the Tyler web site for updated information: www.temple.edu/tyler.

Accreditation

Tyler is an accredited member of the National Association of Schools of Art and Design (NASAD) and the Middle States Association of Colleges and Schools.

The Architecture Program is accredited by the National Architectural Accrediting Board (NAAB), the sole agency authorized to accredit U.S. professional degree programs in architecture.

According to the NAAB, "In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit U.S. professional degree programs in architecture, recognizes two types of degrees: the Bachelor of Architecture and the Master of Architecture. A program may be granted a six-year, three-year, or two-year term of accreditation, depending on its degree of conformance with established educational standards. Masters degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree, which, when earned sequentially, comprise an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree."

Admissions Information

General Information for freshman and transfer applicants to all programs.

Applicants to any Tyler program must meet the deadlines established by the Undergraduate Admissions Office. Please refer to the Temple web site for updated undergraduate deadline information as well as information regarding the academic requirements for admission. After the priority deadline dates listed by Temple Undergraduate Admissions, applications are accepted on a rolling admissions basis.

Bachelor of Arts and Bachelor of Science Programs

Entering undergraduates are admitted to the Tyler main campus programs by the Director of Admissions of Temple University based on a review of the applicant's academic credentials. This

procedure requires the applicant to file all records and test scores in the Office of Undergraduate Admissions of Temple University on the main campus. No portfolio is required for freshmen entering the B.A. or B.S. programs. See [Undergraduate Admissions](#) for more information.

Transfer Students to the B.A. in Studio Art and the B.S. in Art Education Programs

Transfer applicants or freshmen with Advanced Placement or College-Level Studio Courses

All transfer applicants must complete the Temple online application and send their transcripts, etc., to the Temple Admissions Office. Students who have taken studio art courses at the college level are required to submit a portfolio of work for evaluation.

Portfolio Format

The portfolio should be in slides or CD-ROM (.jpeg format) and sent to the Tyler Admissions Office, 2001 North 13th Street, Philadelphia, PA 19122. Advising and studio placement will be based on the results of the review. You are required to submit five to seven images for each studio art course completed. Descriptions of each image should be included, indicating size, medium, title, the course in which the work was completed, and date completed. Slides or CDs that arrive without a sturdy self-addressed stamped envelope (with US postage) will be discarded after the review. ZIP disks and floppy disks will not be viewed. Do not send slide carousels, videos, portfolios, photographs or original work through the mail. These are not acceptable and will not be reviewed or returned. Please clearly mark your name and telephone number on the front of the CD or if submitting slides, on each slide.

Please note that the Department of Art and Art Education will only accept up to 24 credits of studio toward either the B.A. in Art or the B.S. in Art Education degree.

Applications and application materials may be obtained by calling: 215-777-9000 or 215-777-9090 or writing: Office of Admissions, Tyler School of Art of Temple University (067-00), 2001 North 13th Street, Philadelphia, PA 19122.

Architecture Program

Admission to the university does not guarantee admission to the Architecture Program. Admission will be granted to those students with strong academic credentials. While not required, a portfolio is **strongly** recommended. All students are initially admitted into the Architecture Basic Studies Program and, if desired, apply for admission to the accredited Bachelor of Architecture (five year) Professional Program during the fourth studio semester.

Students seeking advanced placement in architecture design studio will be evaluated by portfolio. Students not presenting a portfolio of work will automatically be placed in first-year design studio, regardless of previous credits. A maximum of 12 semester hours of credit will be allowed by the Program in relevant work experience, Advanced Placement, or CLEP examination. Matriculated, enrolled students may apply for work experience through the Director of Academic Services.

Architecture Portfolio Format

The portfolio must consist of a minimum of 20 slides or a CD-ROM of at least 20 images in .jpeg format that represent the range of experience and the immediate direction of your work.

Descriptions of each image should be included, indicating size, medium, title, the course in which the work was completed, and date completed. Slides of CDs that arrive without a sturdy self-addressed stamped envelope (with US postage) will be discarded after the review. Do not send ZIP disks, floppy disks, slide carousels, videos, portfolios, photographs or original work through the mail. These are not acceptable and will not be reviewed or returned. Please clearly mark your name and telephone number on the front of the CD or if submitting slides, on each slide.

Be sure to send all Architecture program slide or CD-ROM portfolios to the Tyler School of Art Admissions Office, 2001 North 13th Street, Philadelphia, PA 19122.

Bachelor of Fine Arts Program

Entering undergraduates are admitted to Tyler by the Director of Undergraduate Admissions of Temple University after consultation with Tyler's Assistant Dean for Admissions following the review of the student's academic record and art portfolio. This procedure requires the applicant to file all records and test scores in the Office of Undergraduate Admissions of Temple University on the main campus. See [Undergraduate Admissions](#) for more information.

Please refer to the university deadlines on the [Undergraduate Application](#) or go to the [Temple web site](#) for deadline information. After the priority deadline dates, applications are accepted on a rolling admissions basis.

Undergraduate applicants for the B.F.A. program apply for full-time matriculation for either the Fall or Spring semester. Part-time status is not available for B.F.A. applicants.

Applications and application materials may be obtained by calling: 215-777-9000 or 215-777-9090; or writing: Office of Admissions, Tyler School of Art of Temple University (067-00), 2001 North 13th Street, Philadelphia, PA 19122; or e-mail: tyler@temple.edu.

Portfolio Review

In addition to satisfying academic requirements, all B.F.A. freshman applicants are required to present a portfolio of fifteen to twenty pieces of original artwork for evaluation. Regularly-scheduled portfolio reviews are held on the Tyler campus. Applicants living at a considerable distance from Tyler may elect to submit a portfolio in 35mm slide form instead of appearing for an in-person interview. Those who live in or near the Philadelphia area, however, are expected to present a portfolio of original work during a portfolio review day. This is an occasion when applicants and their families may see the campus and discuss Tyler's educational program with faculty, staff, and students. Tyler also participates in a number of National Portfolio Day events where students can meet with staff or faculty for a portfolio critique. For a complete list of NPDA events in which Tyler will participate, please contact the Tyler Admissions Office. Transfer applicants must submit a slide or CD-ROM portfolio via the U.S. mail and must include

a sturdy, self-addressed, stamped envelope for the return of the slides or CD (see Transfer student information below).

While the application to Tyler is being processed by Temple University, an interview by a member of the Tyler faculty or by the Admissions Staff must be arranged. All work included in the portfolio should have been completed during the previous year and should represent as broad a selection as possible: drawings from life, work in both color and black and white media, design examples, photography, prints, crafts, or sculpture. Portfolios must include five strong examples of drawing from observation regardless of the major the applicant wishes to pursue. No work that is copied directly from photographs or magazines should be included. It is not necessary to mat or frame any of the art work for this presentation. Original work must not be sent through the mail.

The freshman applicant is advised to submit work done independently as well as under instruction. The transfer student should submit work that is representative of the college-level studio work completed to date.

In order for the application to be completed, an 8 ½" x 11" self-portrait, in pencil from a mirror reflection, must be sent to Tyler. The application is not considered complete without the self-portrait; it becomes a permanent part of the application and is not returned. This self-portrait should not be framed or matted. Please refer to the Tyler catalogue for more information. Tyler also requires a statement of purpose that is separate from the undergraduate application essay as well as a completed B.F.A. information form. For more information on the statement and the self-portrait or to be e-mailed a B.F.A. information form or portfolio review appointment form, please e-mail tylerart@temple.edu.

Transfer Students

To enroll with advanced standing, applicants must fulfill the admission requirements of Temple University as well as the special requirements of the School of Art. Applicants should demonstrate a level of art performance appropriate to the year for which they are applying. Usually this requires completion of a proportion of studio and academic courses comparable to that taken by Tyler students, as well as a comparable portfolio of twenty (20) slides or a CD-ROM of at least twenty (20) images. The slides or CD should represent all studio coursework taken, as well as work towards a specific major. The slides or CD must also include five (5) strong examples of drawing from observation, regardless of the major the applicant wishes to pursue. Drawings should be complete, sustained works, not sketches.

All transfer students must submit a slide or CD-ROM portfolio through the U.S. mail instead of an in-person review of art work. The slides or CD must be accompanied by a detailed description list and a sturdy, self-addressed stamped envelope. To be as fair and precise as possible in making transfer decisions, the transfer committee consistently applies a uniform standard to all applicants. A transfer committee comprised of Tyler faculty and the Assistant Dean for Admissions will review the portfolios and academic records of each application to determine the best placement level possible. However, we strongly encourage all transfer applicants to schedule a campus tour.

Tyler accepts transfer students from accredited institutions of higher education. The transfer student will be required to complete a minimum of 30 studio credits as a full-time student on the Tyler campus. In order to be considered for transfer credit to the B.F.A. degree, studio credits must have been completed within the last 10 years.

If the transfer student has not completed the equivalent of Tyler's Foundation Program, he or she must take the deficient courses, beginning with the first semester enrolled at Tyler.

Transfer students are admitted at a specific studio level (second semester sophomore, first semester junior, etc.), which is determined by transferable courses, academic performance, and the portfolio evaluation by Tyler faculty. Students who choose to enroll do so with the understanding that they are accepting the studio placement as determined by the transfer committee.

Readmission Policy

See Tyler's [Academic Policies and Regulations](#) section.

Financial Aid & Scholarships

Financial Aid

Please see the [Student Financial Aid](#) section of the *Bulletin*. Detailed information can also be found on the Student Financial Services web site at www.temple.edu/sfs. Applications for financial aid (Free Application for Federal Student Aid) are available through the Student Financial Services office at the Tyler Elkins Park campus, 215-782-2769, on Wednesdays and Thursdays, or through main campus, 215-204-2244.

Scholarships

Tyler offers merit-based and merit/financial need-based B.F.A. scholarships dependent upon available funding. Generally, between 16 and 20 portfolio scholarships, ranging from \$1000 to full tuition, are awarded to undergraduate students entering in the fall semester. Some of these scholarships may continue dependent upon available funds, cumulative grade point average, and/or demonstrated financial need. All scholarships and guidelines for consideration are printed on the scholarship list form available in the Tyler Admissions Office and posted on the Tyler web site. Students who wish to compete for portfolio scholarships must follow the deadlines and application procedures indicated on the scholarship list form. B.F.A. applicants must submit a slide portfolio along with a sturdy self-addressed, stamped envelope that must be received by the published deadline.

Matriculated students also have the opportunity to compete for Tyler-specific scholarships, including the Wayne Becker Scholarship Award and the Betty-Ann Shema Morris Scholarship. Information about merit scholarships for continuing students is posted annually at the Tyler Elkins Park campus as well as through the dean's office and department offices.

In addition to portfolio-based scholarships, a number of scholarships for students based on academic achievement are awarded through Temple University to Tyler School of Art. These awards typically range from \$1000 to full tuition. For more information about these awards, please contact the Temple University Office of Undergraduate Admissions.

Emergency Grants and Loans

Funds donated by alumni and friends of the school are available to students in the form of emergency grants and loans. Two such funds are the Boris Blai Memorial Tyler Student Aid Fund and the Stella Elkins Tyler Short Term Student Loans. Information about these funds is available through the [Student Financial Services](#) Office and the Business Office at the Tyler Elkins Park campus.

Special Programs

Rome

Juniors may elect a year or semester abroad. Housed in the Villa Caproni, facing the Tiber River just north of the Piazza del Popolo, the school offers courses in painting, drawing, graphic and interactive design, photography, printmaking, sculpture, architecture, and art history. Facilities include a library, an art gallery, private work areas, and full equipment in studio disciplines. Art history is taught through direct observation of original works and historic sites. The student also may elect to take courses in Italian, anthropology, history, or literature. For more information about Study Abroad options, see [International Programs and Study Abroad](#).

Scotland

In conjunction with the Glasgow School of Art, the Crafts Department of the Tyler School of Art offers an interdisciplinary studio program in Scotland. The program consists of four weeks of traveling and intensive studio workshops in a variety of media while exploring the art, culture, and geographic beauty of Great Britain.

Japan

Art, Media, and Design Summer Workshop in Japan is offered at the Temple University Japan campus in Tokyo. The summer workshop course incorporates lectures, site visits, readings, and discussions as well as a workshop component. Temple Japan now offers a B.A. in Art degree (digital media concentration).

Yale Norfolk

Traditionally, Tyler has been invited to nominate a distinguished junior B.F.A. Painting or Sculpture major for participation in the Yale Norfolk Summer School of Art and Music in Connecticut. Nominations are made by the PDS faculty.

Black Hills/Pilchuck/Skowhegan

Tyler offers one full scholarship each summer to the Black Hills Print Symposium in South Dakota. Nominations are made by the Printmaking faculty. The Symposium brings together professional artists and students from all over the country for a serious exchange of ideas and information. One scholarship is also awarded to the summer program of the Pilchuck Glass School in Washington State. The Pilchuck School offers glassblowing, hot glass sculpture, casting, mixed media sculpture, flame working, and neon to students from around the world. The School emphasizes experimentation, investigation, teamwork, and personal growth. Nominations are made by the Glass faculty. Each year, students are nominated for a full scholarship to the nine-week Skowhegan School of Painting and Sculpture Summer Program in Maine. The scholarship covers full costs of room, board, and tuition. Skowhegan enrolls 60 advanced students of painting and sculpture from schools across the country who work independently under the guidance of six resident faculty members and weekly visiting artists. Students who have completed the junior year are nominated by presenting work to the PDS faculty.

Foreign Exchange Program

Tyler participates in an exchange program with the Glasgow School of Art, Scotland. This program involves a one-to-one student exchange for a B.F.A. major in the upper-division years for 10 weeks. The formal agreement allows students to pay tuition to their home institution and maintain class-level status while experiencing the culture and education process of another country.

Career Development Services

Career Development Services provides students with up-to-date material on career planning, résumé preparation, interviewing skills, and job search techniques. Students are encouraged to schedule appointments for career conversation and advisement. For more information, see the [Career Development Services](#) section of the *Bulletin*, or go to their web site at www.temple.edu/careerdev/ or telephone the office on the main campus at 215-204-7981.

Visiting Artists Program

The school and individual departments sponsor an active program of extracurricular events both on and off campus, including public lectures through critical dialogues and arranged introductions, exhibitions, and workshops. These offer students the opportunity to meet with the artists and discuss their work.

Honor Societies/Awards

Annual cash, book, and gift certificate awards are given to graduating students who have excelled in art, demonstrated outstanding scholastic achievement, or distinguished themselves in a particular department. Among these awards are the Alec Abels Memorial Award in Painting, the Alumni Service Award, the Art and Art Education Department Achievement Award, the Essie Baron Memorial Award, the Billikopf Awards, the Rudolf Staffel Award in Ceramics, the

Boris Blai Memorial Award in Sculpture, the Jane D. Bonelli Art Education Award, the Kristin Huggins Memorial Award, the Del Val Potters Supply Award, the East Bay Batch & Color Awards, the Faculty Award in Art Education, the Faculty Award in Art History, the Faculty Award in Metals, the Frei and Borel Student Awards, the Graphic Design Alumni Award, the Graphic and Interactive Design Senior Project Award, the Jack Malis Glass Award, the Kalnin Graphics Award, the Allen Koss Memorial Awards, the Ann and Jack Moskovitz Art Education Award, the Raphael Sabatini Memorial Award in Printmaking, the Herman Gundersheimer Award for Academic Excellence, the Herman Gundersheimer Award for Art History, the Carmela Corso Scholarship Prize, the Edith Weil Hecht Memorial Awards in Painting and Sculpture, the Lester and Violet Hecht Award in Printmaking, the Robert and Richard Hecht Awards, the Photography Faculty Awards, the Printmaking Faculty Award, the Bertha Lowenburg Prize for excellence in art, the Nathan Margolis Award in Ceramics, the Dorothy H. Ward Memorial Award, the Philadelphia Print Center Award, the Plastic Club Award, the Power Design Award, the Philadelphia Water Color Club Award, the Rio Grande Student Award, the Vivian Rosenberg Memorial Senior Project Award, the Sculpture Project Award, the Senior Painting Award, the Bruce Silver Outstanding Achievement Award, the Taws Artist Materials Award, the Rochelle Toner Award, the T.B. Habstoz Student Award, the Utrecht Supplies Award, and the Utrecht/Hallmark Award.

The Architecture Program offers the following awards: The Architecture Program Merit Award, the Bachelor of Architecture Award, the AIA Henry Adams Medal, the AIA Henry Adams Certificate of Merit, the Alpha Rho Chi Medal, the Alumni Thesis Prize, the Da Vinci Prize, and the Diener Brick Company Masonry Award.

Student Life

215-782-2883

Student Life, located on the third floor of the Tyler Elkins Park campus' Tyler Hall, handles most of the non-academic, extracurricular activities, including: entertainment, assistance and development of student organizations, off-campus jobs and housing, museum bus trips, recreational services, and the production of student publications. Student Life also handles student and faculty requests to reserve Tyler Gallery and Penrose Gallery for exhibitions. Student Life also maintains the schedule and reservations for Penrose Hall 107 critique space. It is given out on a first come, first served basis. This space is provided for faculty members only.

Additional information can be found at our Tyler Student Life web site -

www.temple.edu/tylerstudentlife

Student Organizations and Appointed Positions

Student Government - Two elected Tyler representatives participate in the Temple Student Government meetings on the main campus. This organization provides an integral link between students on all campuses and assures an ongoing dialogue with the administration.

Student Run Gallery - "Produce" serves as a venue to promote both student works as well as professional exhibitors. Every year, two exhibitions are chosen and curated by the student

advisory board, which is composed of one representative from each undergraduate class. A graduate student director manages the student advisory board and gallery budget. Students are encouraged to participate in the selection of exhibitions by becoming a part of the advisory board.

Student Program Board - Interested students organize, plan, and present culturally diverse and entertaining extracurricular programs open to the campus community as well as the general public. The General Activities Fee funds both groups.

GAF Steering Committee Representative (General Activities Fee) - Each year a student is appointed by the Director of Student Life to represent Tyler on the university's GAF Steering Committee. The committee oversees the equitable distribution of GAF money for the university/campus-wide programs, special events, and activities.

ACF (Artist Christian Fellowship) - Weekly Bible study along with a casual coffeehouse open to the campus community.

CATS - Students and alumni coordinate semi-annual fairs for the exhibition and sale of their craft work.

Beech Hall Residence Senate - Students discuss the rules and regulations of the residence hall and plan recreational events for residents.

Special Facilities

Tyler Exhibitions and Public Programs department encompasses exhibitions, lectures, symposia, publications, performances and artists-in-residence, and is designed to encourage experimentation and dialogue in contemporary arts practice and interpretation. Exhibitions of undergraduate student work are held in the Tyler campus galleries; exhibitions of work by artists with local, national and international reputations are held in the downtown Temple Gallery; MFA Thesis exhibitions are presented throughout the exhibition spaces. The programs offer students opportunities to meet and work with exhibiting artists as well as to participate in the gallery program working on research, administrative, and installation projects. The student-run-exhibition program, "Produce," organizes exhibitions, performances and lectures both on-campus and at other locations.

The Tyler Elkins Park and main campus programs house studios, workshops, and exhibition space for students in the curriculum. Specific information about facilities and studio spaces for individual majors can be found on the Tyler web site under the department pages.

The Student Computer Center, located in Penrose Hall Library, is available to all currently enrolled Tyler students, Monday through Sunday during posted library hours. Computer monitors are available to help.

Academic Advising Information

Tyler/Elkins Park Campus: Office of the Academic Coordinator
Tyler Hall, Room 207
215-782-2780
Monday through Friday, 8:30 a.m. to 4:30 p.m., by appointment

Main Campus: Office of the Academic Advisor for Architecture, Art, Art Education, Art History
Engineering & Architecture Building, Room 806
215-204-6389
lduffy@temple.edu
Monday through Friday, 8:30 a.m. to 4:30 p.m., by appointment

Major Advising

Architecture (Main)
Engineering & Architecture Building, Room 909
215-204-8813
archinfo@temple.edu

Art and Art Education (Main)
Jo-Anna J. Moore, Ed.D., Chairperson
Anderson Hall, Room 311
215-204-7191
artedart@temple.edu

Art
Undergraduate Contact: Marilyn Holsing, MA Professor of Art, Undergraduate Advisor
Anderson Hall, Room 311
215-204-7171
marilyn.holsing@temple.edu
artedart@temple.edu

Art Education (Elkins Park)
Tyler Hall, Room 304
215-782-2730
artedart@temple.edu

Art Education (Main)
Anderson Hall, Room 311
215-204-7191
artedart@temple.edu

Art History (Main)
Professor Glenn Bengé, Undergraduate Advisor
851 Ritter Annex
215-204-6935

215-204-7837
gbenge@temple.edu

Crafts (Elkins Park)
Professor Nicholas Kripal, Chairperson
Penrose Hall, Room 305
215-782-2868
nkripal@temple.edu

Ceramics (Elkins Park)
Professor Nicholas Kripal, Area Chairperson
Elkins Hall Ceramics Studio 004
215-782-2790
nkripal@temple.edu

Fibers (Elkins Park)
Professor Rebecca Medel, Area Chairperson
President's Hall, Room 004
215-782-2728
rmedel@temple.edu

Glass (Elkins Park)
Professor Jon Clark, Area Chairperson
Blai Hall 103-Glass Studio
215-782-2808
jonclark@temple.edu

Foundation Program (Elkins Park)
Jennifer Shanker, Chairperson
Tyler Hall, Room 205
215-782-2894
shanker@temple.edu

Graphic Arts and Design (Elkins Park)
Professor Stephanie Knopp, Chairperson
Penrose Hall, Room 302
215-782-2869
stephanie.knopp@temple.edu

Graphic & Interactive Design (Elkins Park)
Professor Alice Drueding, Area Chairperson
Penrose Hall, Room 206
215-782-2837
drueding@temple.edu

Photography (Elkins Park)
Professor Martha Madigan, Area Chairperson
Penrose Hall, Room 202
215-782-2893
mmadigan@temple.edu

Printmaking (Elkins Park)
Professor Daniel Dallmann, Area Chairperson
Penrose Hall, Room 203
215-782-2837
dallmann@temple.edu

Painting, Drawing, and Sculpture (Elkins Park)
Professor Margo Margolis, Chairperson
Penrose Hall, Room 303
215-782-2870
margom@temple.edu

Painting (Elkins Park)
Professor Margo Margolis, Area Chairperson
Penrose Hall, Room 203
215-782-2870
margom@temple.edu

Sculpture (Elkins Park)
Professor Winifred Lutz, Area Chairperson
Elkins Hall Sculpture Studio, Room 007
215-782-2863
wlutz@temple.edu

Tyler/Elkins Park Campus Advising

Advising is provided individually and in groups to full-time, matriculated students enrolled in Tyler School of Art. Additionally, the Wednesday before the start of registration is set aside each semester for advising purposes, at which time students receive their DARS and meet with an advisor. First-year students are advised by the academic coordinator and are automatically registered by the Tyler Office of Registration and Records. Studio advising is provided in the second year by sophomore studio advisors as assigned in each area. Major advising is by studio advisors in the student's area with academic advising provided by the academic coordinator.

Freshmen are automatically scheduled for both their fall and spring semester classes. Midway through their second semester, freshmen are advised both individually and in groups by the academic coordinator and designated assistants on policies, methods, and procedures to assist them in self-registration for their first sophomore semester.

Sophomores also meet with the academic coordinator and selected advisors who will help them register for their second sophomore semester. When sophomores register for their junior year, they are assigned to a major advisor, a faculty member from the major they enter, who will continue to advise the student during his/her junior and senior years on studio matters.

Juniors, seniors, and all transfer students should continue to consult the academic coordinator for advising and course requirements.

Additional Advising Services

The academic coordinator (Tyler Hall, Room 207; 215-782-2780) should be contacted if there are questions concerning courses that require placement testing. The coordinator meets with all students on academic probation or designated "at-risk" by virtue of multiple mid-term deficiency notices and is responsible for specific adjustments due students with disabilities. Although the coordinator has scheduled hours, we suggest calling 215-782-2780 for an appointment.

The associate dean for Academic Affairs (Tyler Hall, Room 200; 215-782-2718) is available for advising that cannot be handled through normal channels or to help with special problems.

Main Campus Advising

Advising is provided to matriculated students enrolled in the Architecture, Art & Art Education, and Art History programs on the Main Campus by the director of Academic Services and the major undergraduate advisors in the departments.

The week before the start of registration is set aside each semester for advising purposes, at which time students can obtain their DARS report and meet with an advisor. Major advising is by advisors in the student's area with academic advising provided by the academic advisor. The director of Academic Services meets with undeclared students who are interested in various Tyler majors.

The academic advisor should be contacted if there are questions concerning English 0802 (Analytical Reading & Writing), Mosaics (Intellectual Heritage 0851 & 0852), and other General Education (for new freshmen) or Core curriculum (for new transfer students) requirements, or developmental courses in English and Mathematics. The advisor meets with all students on academic probation or designated "at-risk" by virtue of multiple mid-term deficiency notices; is responsible for specific adjustments due students with disabilities; and is available by appointment to students with problems impacting on their academic and collegiate progress.

The associate dean of Tyler Main Campus Programs (Engineering & Architecture Building, Room 810; 215-204-4302) is available for advising that cannot be handled through normal channels or to help with special problems.

Academic Policies & Regulations

The university policies and regulations generally apply to all undergraduate students and provide a framework within which schools and colleges may specify further conditions or variations appropriate to students in their courses or programs.

Courses Inapplicable to Graduation

Credits earned in Mathematics 0015 (formerly Math 0001) and lower-level courses in Military Science are not included in the minimum number of credits required for graduation. A maximum of 4 courses or up to 12 semester hours for upper-level Military Science (Army ROTC), Naval Science (Navy ROTC), or Aerospace Studies (Air Force ROTC) courses will be applicable toward graduation credits. Courses transferred from other institutions or taken at Temple University that do not satisfy studio, art history, or core curriculum requirements are elective and inapplicable toward degree completion. In the Architecture Program, no math course below Mathematics 1031 will be credited towards graduation.

Honors

Each semester, those undergraduates who have a 3.50 average (3.2 for Architecture Program) in 15 or more credit hours for the previous semester are placed on the Dean's List.

Program Performance

Matriculated B.F.A. students (with the exception of those seeking Teaching Certification) in the Tyler School of Art must maintain a minimum grade point average (GPA) of 2.0* or may be subject to academic action including academic warning, probation, and dismissal from the university. Higher minimum GPAs are required by the Bachelor of Architecture Program (2.5)**, the B.F.A. with teaching certification (3.0), and the B.S. in Art Education program (3.0).

*Please contact the academic advisor for updates to this policy.

**Please contact the Architecture program office for updates to this policy.

Loss or Damage

Temple University is not responsible for loss of property of any student or other individual due to fire, theft, or other cause. The university may require residence hall students to present proof of insurance against loss by fire, theft, or other cause before assignment to any university housing.

Readmission Policy

All students who have attended Tyler School of Art of Temple University and wish to be considered for readmission to Tyler must fill out an appropriate application available through the associate dean's office.

For those students who have left Tyler in academic good standing and apply for readmission into a semester within three years of the last completed semester, no portfolio review or interview is required. A slide or CD-ROM portfolio is required for those B.F.A. students who have not attended Tyler for more than three years from the semester in which they intend to apply for readmission.

Students who are dismissed from Tyler must prove readiness to reenter the program by successfully completing one full-time semester (a minimum of 15 transferable credits) with a 3.0 cumulative GPA from a fully-accredited college or university. A slide or CD-ROM portfolio is also required of all B.F.A. students who were dismissed or who left Tyler on academic probation as well. It must include twenty (20) images of your studio work, ten (10) completed at Tyler, and ten (10) after leaving Tyler that demonstrate your studio progress.

Any student who attends another college or university and has taken studio art credits must send in slides or a CD that represent completed studio coursework in order to have those credits considered for transfer credit into the Tyler B.F.A. or B.A. in Art or B.S. in Art Education programs.

Academic credits will be accepted into the Tyler degree programs as determined by Temple University policy for the semester in which the student is applying for readmission.

All slide or CD-ROM portfolios for readmission to the B.F.A. must be sent to the assistant dean for Admissions at the Elkins Park campus, who will present them to the Transfer Committee for review. The portfolios of applicants for readmission with 35 or more total studio credit, which have been satisfactorily completed within the 10 years prior to the semester for which they seek admission, will also be sent to the area chairperson or senior faculty for review. The final decision regarding readmission will depend both on the recommendation of the transfer committee as well as the review of academic credentials by the associate dean. Students seeking readmission or transfer studio credit into the Tyler Main Campus programs in Architecture, Art or Art Education must contact the Advising Office for information regarding portfolio review requirements.

Slide carousels, videos, binders, photographs, and original work are not to be sent through the U.S. mail, and if sent, will not be returned. Diskettes or CD-ROMs may be sent in addition to, not in lieu of, a slide portfolio.

Any student applying for readmission must be aware that Tyler will not accept studio credits from transfer or readmission applicants that are more than 10 years old into the B.F.A. curriculum regardless of where those credits were completed.

Student Art Work

The school reserves the right to keep art work submitted for course credit. In practice, this privilege is exercised sparingly but, in certain studio areas, the selection of one piece by each graduating student contributes to an important instructional collection. When the student art work is reproduced in Tyler publications, either in print form or electronic form, every effort will be made to give credit to the student artist.

General College Graduation Requirements

Students in the Tyler School of Art must meet all degree requirements mandated by Temple University, including either the General Education (GenEd) curriculum or the Core curriculum, as well as requirements from individual departments and programs.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

Students are responsible for following the course requirements and department policies as listed in the [Undergraduate Bulletin](#) and in departmental handbooks, curriculum and advising publications.

Student Contact Information

Tyler Campus Students:

Academic Advisor
Fall 2008 Semester: Tyler Hall, Room 207
7725 Penrose Avenue
Elkins Park, PA 19027
215-782-2780
Spring 2009 Semester: Tyler School of Art
2001 N. 13th Street
Philadelphia, PA 19122
215-777-9000
hfishman@temple.edu

Main Campus Students:

Brigitte Knowles
Associate Dean
Fall 2008 Semester: Engineering and Architecture Building
1947 N. 12th Street
Philadelphia, PA 19122-6077
215-204-4302

Spring 2009 Semester: Tyler School of Art
2001 N. 13th Street
Philadelphia, PA 19122
215-777-9000
bknowles@temple.edu

Laurie Duffy
Director of Academic Services
1947 N. 12th Street
Philadelphia, PA 19122-6077
215-204-6389
lduffy@temple.edu

For other contact information, such as Financial Services, Registration, Health Services, and Academic Advising, see the [Tyler Elkins Park Campus](#) section of this *Bulletin*.

Faculty

For a list of faculty, go to the Tyler School of Art web site (www.temple.edu/tyler/contactus.html) and click on Faculty Directory.

Bachelor of Fine Arts

Tyler School of Art
2001 N. 13th Street
Philadelphia, PA 19122
215-777-9000
tyler@temple.edu

Tyler's curriculum is designed to give sound preparation to the future artist while at the same time avoiding narrow vocational goals. The freshman foundation program and introductory courses in each studio area develop a thorough understanding of fundamental processes and information. Advanced courses in the majors stress the development of an individual idiom and preparation for the professional world. At Tyler, art students find an atmosphere of aesthetic freedom that encourages personal experimentation and the exploration of visual concepts.

The B.F.A. with Teaching Certification program leads to certification for teaching art in kindergarten through twelfth grade. Students must complete B.F.A. requirements along with a three-year department core in Education and Art Education that begins in the sophomore year. Because of increased requirements, four years plus one summer session, or four years plus one semester (for some majors) are necessary to fulfill all requirements.

Freshman Year

The Foundation Program is highly structured and intensive; it forms the base that establishes the fundamental studio practice and principles for all visual art expression. In addition to presenting traditional vocabulary, theory, media, and technique, the Foundation Program develops creative thinking and problem solving, visual thinking, and perceptual and imaginative abilities. Faculty members from all areas of the school teach the Foundation courses, assuring a broad range of experience and diverse viewpoints.

Sophomore Year

Sophomore studio electives serve as prerequisites to enter the major, of which one or two specific courses are required in each major. During the sophomore year, students are offered the opportunity to explore a wide range of studio areas. This experience gives the necessary background with which to make an informed selection of a major and adds to the overall breadth of the educational experience. Requirements are six 2000-level studio courses (18 s.h.), not to exceed three courses from any one major area and to include at least one course from three different major areas; and additional credits in Art History electives and/or General Education.

Junior and Senior Years

The Bachelor of Fine Arts degree is completed after a final two-year concentration in a major studio area. Because expressive work is often achieved by synthesis of disparate media, a substantial amount of studio work outside the major is allowed. Requirements are eight specified 3000-4000 level major courses (24 s.h.), with a minimum grade of C- required in each course; three studio electives which may be taken outside the major or as additional major (9 s.h.), one major capstone course (3 s.h.); and additional credits in Art History electives, General Education and non-Tyler courses.

B.F.A. Degree

The Bachelor of Fine Arts degree in Studio Art may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 126 semester hours of credit with a minimum cumulative GPA of 2.00.

B.F.A. Curriculum

Requirements	Credits
Studio courses	74
Art History	14
General Education	32 (maximum)
Courses Outside of Tyler and GenEd	6
Total	126

Suggested Four Year B.F.A. Sequence for New Freshmen starting in Academic Year 2008-2009

Freshman Year					
Department	Course #	Course Name	Fall	Spring	RCI
Foundation	1511 & 1512	Foundation Drawing	3	3	
Foundation	1521 & 1522	2-D Foundation Principles	3	3	
Foundation	1531 & 1532	3-D Foundation Principles	3	3	
Foundation	1541/1542	Foundation Computer & Lab*	0	2	
Art History	1155	Art Heritage of the Western World I	3		
Art History	1156	<i>and</i> Art Heritage of the Western World II		3	
English	0802	Analytical Reading & Writing	4	0	GW
IH	0851	Mosaic: Humanities Seminar I	0	3	GY
Subtotal			16	17	
*Freshmen will be assigned Foundation Computer in either Fall or Spring, pending placement testing.					

Sophomore Year					
Department	Course #	Course Name	Fall	Spring	RCI
		Studio Electives/Prerequisites	9	9	
IH	0852	Mosaic: Humanities Seminar II	3	0	GZ
GenEd	08xx	Quantitative Literacy	4	0	GQ
GenEd	08xx	U.S. Society	0	3	GU
GenEd	08xx	Race & Diversity	0	3	GD
Subtotal			16	15	

Junior Year					
Department	Course #	Course Name	Fall	Spring	RCI
		Studio Major Courses	6	6	
		Studio Electives	3	3	
GenEd	08xx	World Society	0	3	GG
		Non-Tyler Electives	3	0	
Art History		Art History Elective	4*	0	
Art History		Art History Writing Intensive Elective (required by some majors)	0	4*	WI
Subtotal			16	16	
*May be taken in Fall or Spring Semester					

Senior Year					
Department	Course #	Course Name	Fall	Spring	RCI
		Studio Major Course	6	6	
		Studio Electives	0	3	
		Writing Intensive course in major	0	3	WI

		Non-Tyler Electives	3	0	
GenEd	08xx	Human Behavior	3	0	GB
GenEd	08xx	Science & Technology	3	3	GS
Subtotal			15	15	

B.F.A. Degree with Teaching Certification

The Bachelor of Fine Arts degree with Teaching Certification may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 146 semester hours of credit with a minimum cumulative GPA of 3.0.

B.F.A. with Teaching Certification Curriculum

Requirements	Credits
Studio Courses	74
Art History Courses	14
General Education	32
Education Core	10
Art Education	16
Total	146

Suggested Four Year B.F.A. with Teaching Certification Sequence

(Note: some majors may require four years plus one semester)

Freshman Year					
Department	Course #	Course Name	Fall	Spring	RCI
Foundation	1511 & 1512	Foundation Drawing	3	3	
Foundation	1521 & 1522	2-D Foundation Principles	3	3	
Foundation	1531 & 1532	3-D Foundation Principles	3	3	
Foundation	1541/1542	Foundation Computer & Lab	0	2*	
Art History	1155	Art Heritage of the Western World I	3		
Art History	1156	Art Heritage of the Western World II		3	
English	0802	Analytical Reading & Writing	4	0	GW
IH	0851	Mosaic: Humanities Seminar I	0	3	GY
Subtotal			16	17	
*may be taken in Fall or Spring Semester					

Sophomore Year					
Department	Course #	Course Name	Fall	Spring	RCI
		Studio Electives/Prerequisites	9	9	
IH	0852	Mosaic: Humanities Seminar II	3	0	GZ
Art Education	2001	Science & Art of Teaching (Prerequisite for ART ED 3002)	0	4	
Psychology	1061	Psychology as a Social Science	3	0	

GenEd	08xx	U.S. Society	3	0	GU
GenEd	08xx	Quantitative Literacy	0	4	GQ
Subtotal			18	17	

Summer Session - Main or Ambler Campus					
Department	Course #	Course Name	Summer Session I	Summer Session II	RCI
Art History		Elective	4	0	
Subtotal			4		

Junior Year					
Department	Course #	Course Name	Fall	Spring	RCI
		Studio Major Courses	9	6	
		Studio Electives	3	3	
Art Education	3002	Art in Elementary & Secondary Education	0	4	
Art History		Elective (*may be writing intensive for some majors)	4	0	WI*
STOC	1111	Public Speaking	0	3	
GenEd	08xx	Science & Technology	3	0	GS
Subtotal			19	16	

Summer Session - Main or Ambler Campus					
Department	Course #	Course Name	Summer Session I	Summer Session II	RCI
Education	1322	The Developing Individual Across the Life Span (prerequisite for ART ED 4088)	3	0	
Education	1196	Education & Schooling in America (Prerequisite for ART ED 4088)	3	0	
GenEd	08xx	Human Behavior	0	3	GB
GenEd	08xx	Race & Diversity	0	3	
Subtotal			6	6	

Senior Year					
Department	Course #	Course Name	Fall	Spring	RCI
		Studio Major Courses	9	0	
		Studio Electives	3	0	
		Capstone in Major	0	3	WI
Art Education	4088	Student Teaching	0	12	
GenEd	08xx	World Society	3	0	GG
GenEd	08xx	Science & Technology	3	0	GS
Subtotal			18	15	

B.F.A. Foundation Program

Studies for the B.F.A. degree at Tyler (including those who seek Art Teaching Certification K-12) begin with a common freshman experience, the Foundation Year. During this year, students are enrolled in studio courses in Drawing, 2-D and 3-D Principles, and Foundation Computer. The Foundation Program Department is highly structured and intensive. It forms the fundamental basis for studio practice, critical thinking, and the understanding and implementation of principles of visual expression. The program emphasizes creative and critical thinking, problem solving, visual thinking, perception and observation through the use of visual vocabulary, theory, media, and techniques of artistic practice. The Foundation Faculty is comprised of artists from all the fields represented in the school's majors, providing freshmen with a broad perspective and diverse points of view from which to build their experience as artists.

B.F.A. Foundation Year

Department	Course #	Course Name	Fall	Spring	RCI
Foundation	1511/1512	Foundation Drawing	3	3	
Foundation	1521/1522	2-D Foundation Principles	3	3	
Foundation	1531/1532	3-D Foundation Principles	3	3	
Foundation	1541/1542	Foundation Computer & Lab	2*		
Art History	1155	Art Heritage Western World I	3		
		<i>and</i>			
Art History	1156	Art Heritage Western World II		3	
English	0802	Analytical Reading & Writing	4		GW
IH	0851	Mosaic: Humanities Seminar I		3	GY
*May be taken in Fall or Spring Semester					

Crafts

Nicholas Kripal, M.F.A.
Penrose Hall, Room 305
215-782-2868
nkripal@temple.edu

The Crafts Department encompasses the media disciplines of Ceramics/Glass, Fibers, and Metals/Jewelry/CAD-CAM. These disciplines are rooted in a rich history, developed and refined within a contemporary context, and practiced and experienced through a series of formal presentations and evaluations. The Crafts Department faculty endeavor to refine and interpret Crafts traditions, techniques, and concepts while also pursuing the frontiers of their disciplines through their studio practice.

Students are challenged to explore the broad cultural and historical contexts in which their disciplines are made, exhibited, and experienced. They are encouraged to pursue their individual

visions with an attitude of curiosity and imagination. The end goal of the curriculum is the education of a Crafts artist who will be creatively active throughout their lives, contributing to the enrichment of not only the communities in which they live and work, but the world community as well.

Upon graduation, students go on to careers in art education, design, the arena of not-for-profit and commercial galleries, and the professional practice of a studio artist. Many students go on to graduate school in order to receive further training and research for their eventual professional careers.

Foundation Department

Sharyn O'Mara, Chairperson
Tyler Hall, Room 205
215-782-2894
sharyn.omara@temple.edu

Studies for the B.F.A. degree at Tyler begin with a common freshman experience, the Foundation Year. During this year, students are enrolled in studio courses in Drawing, 2-D and 3-D Principles, and Foundation Computer. The Foundation Program is highly structured and intensive. It forms the fundamental basis for studio practice, critical thinking, and the understanding and implementation of principles of visual art expression. The program emphasizes creative and critical thinking, problem solving, visual thinking, perception and observation, as well as presents traditional vocabulary, theory, media, and techniques of artistic practice. The Foundation Faculty is comprised of faculty from all major areas in the school, providing freshmen with a broad perspective and diverse points of view from which to build their experience as artists.

For curriculum, please see the [Freshman year](#) sequence on the B.F.A. Degree and B.F.A. with Teaching Certification page.

Ceramics/Glass

Nicholas Kripal, Area Head, Ceramics
Elkins Hall, Room 004
215-782-2790
nkripal@temple.edu

Jon Clark, Area Head, Glass
Blai Hall, Room 103
215-782-2790
jonclark@temple.edu

In the Ceramics area, equipment is available for wheel work, mold making, and slip casting projects, as well as large kilns for hand building and sculpture. Processes include: wood firing,

raku, salt glazing, stoneware, and porcelain. The glass curriculum incorporates glass blowing, casting, fusing, and kiln work.

Major Requirements for B.F.A. in Ceramics

SOPHOMORE PREREQUISITES:

Department	Course #	Course Name	Hours	RCI
Crafts	2151	Beginning Ceramics	3	
Crafts	2161	Intermediate Ceramics	3	

JUNIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
Crafts	3162	Advanced Ceramics	6	
		Two additional specialized Ceramics courses	6	

SENIOR REQUIREMENTS:

Department	Course	Course Name	Hours	RCI
Crafts	4162	Advanced Ceramics	6	
		Two additional specialized Ceramics courses	6	

Major Requirements for B.F.A. in Glass

SOPHOMORE REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
Crafts	2258	Introduction to Glass	3	

JUNIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
Crafts	3243	Advanced Glass Seminar	3	
Crafts	3244	Advanced Glass, Topic: Visiting Artist Series	3	
<i>At least two of the following courses:</i>				
Crafts	3237	Glass Construction, Topic: Kiln Working	3	
	3238	<i>or</i> Glass Construction, Topic: Cold Glass	3	
Crafts	3231	Hot Glass, Topic: Blowing	3	
	3242	<i>or</i> Hot Glass Casting	3	

SENIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
Crafts	4252	Advanced Glass Seminar	3	
Crafts	4244	Advanced Glass Seminar: Visiting Artist Series	3	
<i>At least two of the following courses:</i>				
Crafts	4237	Glass Construction, Topic: Kiln Working <i>or</i>	3	
Crafts	4238	Glass Construction, Topic: Cold Glass	3	
Crafts	4241	Hot Glass Blowing <i>or</i>	3	
Crafts	4242	Hot Glass Casting	3	

Fibers

Rebecca Medel, Area Head
 Presidents Hall, Room 004
 215-782-2728
rmedel@temple.edu

The Fibers major includes equipment and classes in weaving, off-loom structures, fabric dyeing and surface processes, screen printing on fabric, digital printing, and the use of alternative materials. Once students acquire an understanding and proficiency of techniques and media, the program promotes experimentation and development of a personal direction.

Major Requirements for B.F.A. in Fibers**SOPHOMORE PREREQUISITE:**

Department	Course #	Course Name	Hours	RCI
Crafts	2305	Fabric Pattern & Image I	3	
Crafts	2317	Off Loom Structure I	3	

JUNIOR AND SENIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
<i>Eight of the following courses:</i>				
Crafts	2318	Woven Structure I	3	
	3312	Alternative Materials	3	
	3314	Digital Printing	3	
	3317	Off Loom Structure II	3	
	3318	Woven Structure II	3	
	3371	Silkscreen on Fabric I	3	

	3385	Field Internship in Fibers	3	
	4305	Fabric Pattern & Image II	3	
	4317	Off Loom Structure III	3	
	4318	Woven Structure III	3	
	4371	Silkscreen on Fabric II	3	

Metals/Jewelry/CAD-CAM

Stanley Lechtzin, Area Head
Elkins Hall, Room 101
215-782-2863
stanlech@temple.edu

This program stresses the use of traditional techniques and materials in relation to their historical significance while encouraging the use of new technologies in the advanced courses. The assignments are focused on the design and creation of jewelry, functional forms, tableware, furniture, lighting, toys, and product design, to name a few. Along with teaching studio practices centered around the utilization of metal, plastics, and composite materials, the curriculum integrates the technologies of digital practices as they relate to three dimensional form realization, and include computer-aided-design, computer-aided manufacture and 3D printing technologies.

Major requirements for B.F.A. in Metals/Jewelry/CAD-CAM

SOPHOMORE PREREQUISITE:

Department	Course #	Course Name	Hours	RCI
Crafts	2453 or 2454	Jewelry	3	

JUNIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
Crafts	2433	CAD-CAM I	3	
Crafts	3465	Junior Metalsmithing	3	
Crafts	3466	Junior Metalsmithing	3	
		One specialized Metals course	3	

SENIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
Crafts	3434	CAD-CAM II	3	
Crafts	4463	Senior Metals & Plastics	3	
		One specialized Metals course	3	

Graphic Arts & Design

Stephanie Knopp, Department Chairperson
Penrose Hall, Room 302
215-782-2869
stephanie.knopp@temple.edu

The Graphic Arts and Design Department encompasses three distinct areas of study -- Graphic and Interactive Design, Photography, and Printmaking. Our mission is to prepare students for the challenges of each discipline and to help them maximize their potential as artists.

The Graphic Arts and Design faculty is made up of practicing artists and designers who are professionally active and able to teach the fundamental principles of their disciplines while keeping abreast of innovations in their fields. During the two-year program of coursework in the major, conceptual thinking aimed at the development of the student's personal artistic vision is stressed; at the same time, technical skills using appropriate tools and techniques to solve creative problems are developed. Our majors are encouraged to integrate each discipline's traditional image-making techniques with rapidly-evolving 21st-century digital technologies. Upon graduation, our students are prepared to enter their respective fields as professionals and to continue their growth as artists.

Graphic & Interactive Design

Alice Drueding, Area Head
Penrose Hall, Room 302
215-782-2869
drueding@temple.edu

[Graphic & Interactive Design](#) is visual communication that uses creative combinations of ideas, art, and technology to inform and influence specific audiences. Course offerings include assignments in corporate identity, packaging, publishing, poster design, advertising, signage, environmental design, illustration, and design for the web and CD-ROM.

Major Requirements for B.F.A. in Graphic & Interactive Design

SOPHOMORE REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
GAD	2001	Graphic Design	3	
GAD	2021	Computers for Design	3	

Note 1: A final grade of B-minus or better is required in Graphic Design 2001 in order to continue in the major at the junior level.

Note 2: Graphic and Interactive Design majors who plan to go to Rome should do so in the second semester of their sophomore year if they plan to graduate in four years. These students should see the Area Head for advising before going to Rome.

JUNIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
GAD	3001	Advanced Graphic Design (Fall)	3	
GAD	3002	Advanced Graphic Design (Spring)	3	
GAD	3011	Typography	3	
GAD	3021	Intermediate Computer Graphics	3	
<i>Electives strongly recommended:</i>				
GAD	3013 or 3015	Advanced Typography	3	
	3023 or 3025	Interactive Design	3	
	3027	Digital Narratives	3	
	3031 or 3033	Illustration	3	
	3041	Advertising Design (Spring)	3	

Note 1: In the junior year Advanced Graphic Design must be taken in sequence (3001 in Fall/3002 in Spring).

Note 2: The prerequisites for Senior level design courses are the four required courses at the junior level: GAD 3001: *Advanced Graphic Design* (Fall), GAD 3002: *Advanced Graphic Design* (Spring), GAD 3011: *Typography* (Fall or Spring), and GAD 3021: *Intermediate Computer Graphics* (Fall or Spring). GAD 3023 or 3025: *Interactive Design* is also required for students taking GAD 4007: *Senior Interactive Design* or GAD 3027: *Digital Narratives*.

Note 3: Students who plan to have an interactive portfolio only should take GAD 3023 or 3025: *Interactive Design* in the junior year. GAD 3021: *Intermediate Computer Graphics* is the prerequisite for this course.

SENIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
GAD	4196	Senior Portfolio (Spring only)	3	WI*
<i>Select three specialized courses in Senior Graphic Design from the following:</i>				
GAD	3013 or 3015	Advanced Typography	3	
	3027	Digital Narratives	3	
	3041	Advertising Design	3	
	4000 or 4001	Senior Design/Special Topics or Workshop	3	
	4002	Senior Design/Advanced Projects in Design	3	
	4003	Senior Design/Art Direction	3	
	4004	Senior Design/Packaging	3	
	4005	Senior Design/Publishing	3	

	4006	Senior Design/Corporate	3	
	4007	Senior Interactive Design	3	
	4008 or 4009	Senior Design/Projects in Authorship	3	
	4011	Senior Design/Design for the Public Good	3	
	4111 or 4112	Senior Illustration	3	
Note: GAD 4196: <i>Senior Portfolio</i> fulfills the writing-intensive requirement in the major.				
*Indicates Writing Capstone				

Photography

Martha Madigan, Area Head
Elkins Hall, Room 102
215-782-2785
mmadigan@temple.edu

In addition to traditional black and white and color photography, [Tyler's Photography Area](#) will introduce you to various other creative approaches to the medium. Some of these include digital imaging techniques, large-format professional digital printing in black and white and color, handmade cameras, large format photography, historical alternative processes, critical theory, and career options for artists who wish to enter the field of photography. The emphasis in the Photography Major is the development of personal vision for the artist.

Major Requirements for B.F.A. in Photography

SOPHOMORE PREREQUISITE:

Department	Course #	Course Name	Hours	RCI
GAD	2441 or 2451	Photography I	3	
GAD	2461	Digital Imaging (prereq for Digital Photography)	3	

JUNIOR AND SENIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
GAD	3402	View Camera	3	
GAD	3411	Digital Photography (prereq: Digital Imaging)	3	
GAD	3412	Photography II	3	
GAD	3431	Color Photography I	3	
GAD	3441	Advanced Photo Workshop (fall or spring)	3	
GAD	3461	Photo Process Workshop	3	
GAD	4441	Senior Photography (Fall)	3	
GAD	4451	Senior Photography (Spring)	3	
<i>Electives:</i>				
GAD	3185	Field Internship in Photography	3	

GAD	3421	Digital Projects	3	
GAD	3422	Contemporary Photography	3	
GAD	3432	Color Photography II	3	
GAD	3471	Photo Process Workshop	3	

Printmaking

Dan Dallmann: Area Head
 Penrose Hall, Room 203
 215-782-2837
dallmann@temple.edu

The [Printmaking Area](#) is housed in large, fully-equipped modern studios where you first learn the fundamentals of the three printmaking disciplines (silkscreen, lithography, and etching) before exploring at least two of these disciplines in depth. After students master the basic technical aspects of printmaking, the faculty encourages the exploration of advanced subjects that include color and photo-etching, photo-lithography, metal engraving, mezzotint, viscosity color printing, woodcut, and the full utilization of the computer as an image-creating tool.

Major Requirements for B.F.A. in Printmaking

SOPHOMORE PREREQUISITE:

Department	Course #	Course Name	Hours	RCI
GAD	2701	Survey of Printmaking Techniques (Lithography and Serigraphy)	3	
	or 2702	Survey of Printmaking Techniques (Relief Printing and Etching)	3	

JUNIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
GAD	2711	Serigraphy (Prereq for Adv. Serigraphy)	3	
GAD	2731 or 2741	Etching (Prereq for Adv. Etching)	3	
GAD	2751 or 2761	Lithography (Prereq for Adv. Litho)	3	
GAD	3896	Art Career Workshop	3	WI*
*Indicates Writing Capstone				

SENIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
<i>Two or more advanced courses chosen from the following:</i>				
GAD	3711	Advanced Serigraphy	3	
	3731	Advanced Etching	3	
	3751	Advanced Lithography	3	

<i>One or more specialized course in Printmaking from the following:</i>				
GAD	3811	Printmaking Workshop (Intermedia)	3	
	3831	Relief & Monoprint Workshop	3	
	3841	Color Print Workshop (Intermedia)	3	
	4911	Senior Project Workshop/Seminar	3	

Painting/Drawing/Sculpture

Margo Margolis, Department Chair
 Penrose Hall, Room 303
 215-782-2870
margom@temple.edu

The Painting, Drawing, and Sculpture Department emphasizes artmaking as an ongoing discipline rooted in rich history. We provide our students with a rigorous experience of the disciplines of drawing, painting, and sculpture. This experience ranges through the aesthetic, the technical, and the well-formed idea. We are committed to providing our students with the understanding of the broad cultural and historical context in which art is made and experienced.

The Painting, Drawing, and Sculpture Department has a weekly schedule of visiting lectures. Our lectures include practicing studio artists, museum curators, and critics, all of national standing. Special effort is made to put the visiting artist in contact with our graduate students.

Painting/Drawing

Margo Margolis, Department Chair, Painting Area Head
 Penrose Hall, Room 303
 215-782-2870
margom@temple.edu

Tyler's Painting and Drawing program provides the skills and concepts essential to artistic growth. The faculty has designed studio and seminar courses that foster the development of pictorial concepts realized in the tangible form of painting and drawing.

The course offerings range from Figure Drawing to Senior Painting Studio, a capstone course for Painting majors. Advanced level courses offer a range of technical, topic, and theory based exposures to contemporary approaches to painting. The faculty advises each student to participate in a variety of studio experiences to facilitate the integration of technique with personal vision.

Major Requirements for B.F.A. in Painting

SOPHOMORE REQUIREMENTS:

Painting				
Department	Course #	Course Name	Hours	RCI
PDS	2011 or 2111	Painting	3	

Drawing				
Department	Course #	Course Name	Hours	RCI
PDS	2311, 2321 or 2331	Intermediate Drawing	3	

Note: PDS 2341 or 3341 (*Digital Drawing*) may be substituted for PDS 2311, 2321, or 2331 (*Intermediate Drawing*).

Note: PDS 2051: *Painting Materials & Techniques* is suggested, but not required, for those interested in becoming a Painting major.

Note: PDS 2511: *Art Matters* is strongly recommended for students interested in Painting as a major.

JUNIOR AND SENIOR REQUIREMENTS:

Eight courses totaling 24 credit hours. These courses must satisfy the following grade level requirements: Two Painting courses must be taken at the 3000-level, and two Painting courses must be taken at the 4000-level. Two Drawing courses must be taken at the 3000-level, and two Drawing courses must be taken at the 4000-level.

Any Painting or Drawing courses taken in excess of the required eight courses will count as studio electives. This is a common practice encouraged by the Painting Faculty.

Painting				
Department	Course #	Course Name	Hours	RCI
<i>Select three courses, a total of 9 hours, from the following list:</i>				
PDS	2051	Painting Materials & Techniques	3	
PDS	3021 or 4021	Landscape	3	
PDS	3041, 3141 or 4041	Color	3	
PDS	3031 or 4031	Figure Painting	3	
PDS	3596	PDS Seminar (for Painting credit)	3	WI
PDS	3011, 3111, 4011, 4111	Advanced Painting	3	
PDS	4072 and 4172	Senior Painting Studio (see note #1, 2 & 3)	6	
Note 1: 4072 and 4172 is Jury-selected by the faculty and must have faculty approval.				
Note 2: 4072 and 4172 is a six-credit course that counts as two courses. The course is team-taught by two faculty members and meets four times a week.				
Note 3: 4072 and 4172 may be taken for Painting and/or Drawing Credit.				
Capstone Course				
PDS	3596	PDS Seminar	3	WI

Drawing				
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Department	Course #	Course Name	Hours	RCI
<i>Select three courses, a total of 9 hours, from the following list:</i>				
PDS	3451	Interactive Projects	3	
PDS	3431, 3441, 4431 or 4441	Figure Drawing	3	
PDS	3411, 3421 or 4411	Advanced Drawing	3	
PDS	3596	PDS Seminar (for Drawing credit)	3	WI
Note: The faculty strongly recommends PDS 3596: <i>PDS Seminar</i> , as one of the eight courses. This seminar course may be counted as either a Drawing or Painting course. <i>PDS Seminar</i> fulfills the writing-intensive requirement in the major.				
Note: Any of the Painting or Drawing courses may be taken in excess of the required eight courses. Additional Painting and Drawing courses will count as studio electives. This is a common practice encouraged by the Painting Faculty.				

Sculpture

Winifred Lutz, Area Head
Elkins Hall, Room 007
215-782-2809
wlutz@temple.edu

The Sculpture Program provides the skills and concepts essential to creative growth. Courses are designed to integrate the development of technical skills with critical discourse and theory, and knowledge of contemporary sculpture. Students are encouraged to explore a broad range of sculptural strategies through studio courses including installation, sound, video, robotics, public art, and wood and metal fabrication. All courses provide intensive studio experience and intense critical dialogue combined with exhibition opportunities and field trips. All majors are provided with studios in the sculpture shop starting in the junior year. The sculpture area includes a metal shop, wood shop, plaster and mold making facilities, a small sound studio and individual studios for undergraduate majors and for graduate sculpture students.

Major Requirements for B.F.A. in Sculpture

SOPHOMORE PREREQUISITE:

Students are encouraged to take *Installation* or *Mold Making* in the second semester of the sophomore year after *Sophomore Sculpture*.

Department	Course #	Course Name	Hours	RCI
PDS	2611 or	Sculpture	3	

Note: A "B" grade or above is required in *Sophomore Sculpture* in order to enter the major.

JUNIOR AND SENIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
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PDS	3611, 3621	Advanced Sculpture <i>or</i>	3	
	3612, 3622	Advanced Sculpture		
PDS	3611, 3621	Advanced Sculpture, Special Topics <i>or</i>	3	
	3612, 3622	Advanced Sculpture, Special Topics	3	
PDS	4611	Senior Sculpture	3	
Note: "Special Topics" include: Sound, Performance, Metal Fabrication, and Robotics. These vary from semester to semester. More than the two required Advanced Sculpture courses are recommended in order to intensify creative development of sculptural practice.				
<i>Three Specialized Courses in Sculpture from the following list:</i>				
PDS	2632, 3631	Installation	3	
PDS	3731	Sculpture Techniques & Materials	3	
PDS	2641 or 3641	Mold Making Technology	3	
PDS	2631	Figure Modeling	3	
PDS	3721	Public Art Projects	3	
PDS	4585	Field Internship	3	
PDS	4582	Independent Study	3	
Note: It is possible to do Field Internships with alternative arts organizations and art fabrication companies in the Philadelphia area.				
<i>Two advanced-level courses in drawing from the following list:</i>				
PDS	3411, 3421, 4411	Advanced Drawing	3	
PDS	3431, 3441, 4431, 4441	Figure Drawing	3	
PDS	3341	Digital Drawing	3	
PDS	2521	Video Workshop	3	
Students can select studio elective courses from anywhere in the Temple system. However the faculty encourages taking sculpture courses in excess of the required. These additional courses can count as studio electives.				

Capstone recommendation (students are advised to take the capstone in their Junior Year)				
PDS	3596	PDS Seminar (for Sculpture credit)	3	WI

Architecture

Lindsay Bremner, Chair
Engineering & Architecture Building, Room 907
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www.temple.edu/architecture

About the Architecture Department

Temple University is located in Philadelphia, one of America's founding cities. It and architectural practice have been transformed by post-industrialization, global restructuring and the urgent imperative to reduce its carbon footprint. Our pedagogy and research are framed by this urban and professional condition. The city is used as a laboratory for critical engagement and architectural enquiry, and as a lens for global investigations.

The Department offers the National Architectural Accrediting Board (NAAB) accredited Bachelor of Architecture degree (five-year) and the Bachelor of Science in Architecture degree (four-year). The Architecture curricula share a common two-year Basic Studies Program. Upon successful completion of this preparatory program, students may either continue in the Bachelor of Science in Architecture curriculum or apply for acceptance into the Professional Bachelor of Architecture degree program. Admission to the Bachelor of Architecture Program is competitive and requires a minimum GPA of 2.75 and an excellent portfolio. Completion of minimum entrance requirements does not guarantee admission.

The five-year Bachelor of Architecture (B.Arch.) professional degree program prepares students for the practice of architecture in entry-level positions and is part of an intern development program that leads to professional registration. This curriculum is designed to enable students to learn theories and methodologies of architectural design as well as to understand the social, economic, political, and technological forces that shape the built environment. The principal educational component of the Program is a coordinated series of studio courses in which creative design talents and management skills are developed. Holders of this degree may, upon completion of postgraduate work experience, be admitted to the architectural licensing examinations offered in each state, through which they may become registered architects. Bachelor of Architecture majors have the opportunity of a semester in Temple Rome and/or Temple Japan in either their third or fourth year.

The four-year Bachelor of Science in Architecture (B.S. in Architecture) degree is designed to develop a strong base in architectural technology and practice upon which students may develop additional areas of special competence. Graduates are qualified for a variety of positions in architecture and related fields for which a professional degree and registration are not requirements for advancement. Additionally, students may utilize this degree toward the goal of architectural education at the graduate level.

According to the NAAB, in the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The NAAB, which is the sole agency authorized to accredit U.S. professional degree programs in architecture, recognizes two types of degrees: the Bachelor of Architecture and the Master of Architecture. A program may be granted a six-year, three-year, or two-year term of accreditation, depending on its degree of conformance with established educational standards. Master's degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree, which, when earned sequentially, comprise an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree.

University Requirements

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum in addition to major requirements.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum in addition to major requirements.

Architecture Basic Studies Courses (Year 1 & 2)

Department	Course #	Course Name	Hours	RCI
ARCH	1001	Introduction to Design & the Environment	3	AR
ARCH	1011	Design Representation I	2	
ARCH	1012	Design Representation II	2	
ARCH	1031	Design Fundamentals I	4	
ARCH	1032	Design Fundamentals II	4	
ARCH	2131	Architectural Design I	6	
ARCH	2132	Architectural Design II	6	
ARCH	2141	Architectural History: Ancient through Early Renaissance	3	AR
ARCH	2142	Architectural History: Late Renaissance through 20th Century	3	AR
ARCH	2151	Architecture, Technology, & the Environment	3	
ARCH	2152	Architectural Materials & Methods of Construction	4	
Total			40	

Required Courses Also Satisfying General Education or University Core

Department	Course #	Course Name	Hours	RCI
MATH	1031	Differential & Integral Calculus	4	QB
Physics	1021	Introduction to General Physics I	4	SA
Intellectual Heritage	0851	Mosaic: Humanities Seminar I	3	GY
Intellectual Heritage	0852	Mosaic: Humanities Seminar II	3	GZ
English	0802	Analytical Reading & Writing	4	GW
GenEd	08xx	Science & Technology	3	GS
GenEd	08xx	U.S. Society	3	GU
Total			24	

After completion of Architecture Basic Studies, students will follow either the Bachelor of Science in Architecture Curriculum or the Bachelor of Architecture curriculum. (Separate application is required for Bachelor of Architecture.)

Bachelor of Science in Architecture (Year 3 & 4)

Department	Course #	Course Name	Hours	RCI
ARCH	3243	Movements in Modern Architecture	3	
ARCH	3251	Structural Analysis for Architects	3	
ARCH	3252	Structural Design for Architects I	3	
ARCH	4096	Professional Practice	3	WI*
ARCH	4253	Structural Design for Architects II	4	
ARCH	4351	Environmental Control Systems for Buildings	3	
ARCH		Required electives from remaining Architecture Program Courses and approved courses from associated disciplines	18	
		University Free Electives	12	
Gen Ed	08xx	Global/World Society	3	GG
Gen Ed	08xx	Arts	3	GA
Gen Ed	08xx	Human Behavior	3	GB
Gen Ed	08xx	Race & Diversity	3	GD
Total			61	

*Indicates Writing Capstone

Bachelor of Architecture (Year 3, 4, 5)

Department	Course #	Course Name	Hours	RCI
ARCH	3174	Site Investigations	3	
ARCH	3231	Architectural Design III	6	
ARCH	3232	Architectural Design IV	6	
ARCH	3243	Movements in Modern Architecture	3	
ARCH	3251	Structural Analysis for Architects	3	
ARCH	3252	Structural Design for Architects I	3	
ARCH	4096	Professional Practice	3	WI
ARCH	4253	Structural Design for Architects II	4	
ARCH	4331	Architectural Design V	6	
ARCH	4332	Architectural Design VI	6	
ARCH	4351	Environmental Control Systems for Buildings	3	
ARCH	4431	Advanced Architectural Design	6	
ARCH	4596	Architectural Seminar I	3	WI*
ARCH	4671	Thesis Program Prep	3	
ARCH	4691	Thesis Advising I	1	
ARCH	4699	Architectural Thesis	6	
ARCH	4791	Thesis Advising II	1	
ARCH		Required electives from remaining Architecture Program Courses	6	
		University Free Electives	9	
GenEd	08xx	Global/World Society	3	GG

GenEd	08xx	Arts	3	GA
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	Race & Diversity	3	GD
Total			93	
*Indicates Writing Capstone				

A total of 125 s.h. is required for completion of the Bachelor of Science in Architecture; 157 s.h. is required for completion of the Bachelor of Architecture degree.

Following a student's matriculation into the Architecture Program, transfer credits for architecture courses are accepted only from accredited architectural programs in four-year institutions. Students must receive permission in advance to take courses at other institutions. All University policies governing this process will be enforced.

Art & Art Education

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The Art and Art Education Department (AAE), located at Temple University, Main Campus, offers the Bachelor of Arts in Art degree with three different concentrations: the B.A. in Art, Studio Concentration; the B.A. in Art, Digital Media Concentration; and the B.A. in Art, Visual Studies Concentration. Our studio courses offer the chance to study art within a liberal arts context, basing course content and pedagogical approach on a view of studio experience as part of education in a broad sense rather than primarily as training for a profession. We offer the Bachelor of Science in Art Education, an accredited program leading to Pennsylvania Certification in Art, K-12. Newly-expanded offerings in the Community Arts have developed courses with outreach to the Philadelphia community. Graduates from our Art programs have gone on to graduate study, field work in art galleries, studios, and a wide variety of art-related occupations. We have a 92% placement rate for Art Education in K-12 schools and also in community sites.

Bachelor of Arts in Art

(Studio, Digital Media, or Visual Studies Concentration)

The Bachelor of Arts in Art with a Studio concentration offers students a strong focus in visual art practice within a liberal arts context. The curriculum is devised to offer students a rich range of choices in other academic disciplines to augment their studio studies. The faculty approaches the teaching of studio art from the viewpoint of its connection to a wide sphere of interests, such

as psychology, literature, philosophy, mathematics, biology, and physics. Students graduating with this major are well prepared to pursue graduate studies in the fine arts, work as professional artists, or work in galleries or museums.

The Bachelor of Arts in Art with a Digital Media concentration is a fine-art oriented course of study focusing on the use of the computer as a creative tool. This concentration helps students develop their artistic vision using new technology to focus on personal expression; it is not graphic design. Students in this concentration pursue a variety of projects designed to help them explore the boundaries between technology and studio art processes. Students interested in graphic design should investigate the B.F.A. in Graphic and Interactive Design.

The Bachelor of Arts in Art with a Visual Studies concentration enables students to organize multiple approaches to visual thinking that cut across various disciplines into a logical whole. Students will analyze visual communication from a variety of aesthetic, theoretical, scientific, sociological, and historical viewpoints. Analysis will include the consideration of the medium, its impact on the image and message, and its social and cultural context. While the majority of their coursework is in academic disciplines, students take studio courses in part because the making of images is closely aligned to their analysis. This major provides a sound basis for pursuing graduate study in art history, art theory and criticism, or visual anthropology.

In addition to the major and college requirements, students must complete a set of university requirements: General Education (GenEd) or Core.

New *freshman students* starting in the 2008-2009 academic year and after are required to complete the [General Education](#) (GenEd) curriculum. In addition to the GenEd World Society requirement, B.A. candidates in Art under the GenEd curriculum are required by their department to successfully complete the second semester of a foreign language. Study abroad for a summer or semester will satisfy the World Society requirement.

For students in the B.A. in Art program who fall under the General Education curriculum, there will be no requirement to take the GenEd Arts course if all of the following courses are completed: Art 1101, Art 1201, Art 1401 (or 1496 or 1996), and Art 1501. If the student changes majors before completing all four courses, s/he must complete a GenEd Arts course to satisfy the requirement for General Education.

New *transfer students* starting in the 2008-2009 academic year are required to complete the University [Core](#) curriculum. B.A. candidates under the Core curriculum are required by the department to successfully complete both the International Studies and the Foreign Language requirements. This may be done by completing the third semester of a language and one international studies course or by completing the second semester of a language and two international studies courses. Studying abroad may satisfy all or part of the international studies requirements.

Students must complete at least 15 semester hours in upper-level Liberal Arts courses. Courses taken in the major count toward the requirement.

The Bachelor of Arts degree for all concentrations may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 123 semester hours of credit with a minimum cumulative GPA of 2.00.

While a portfolio is not required for admission into the B.A. in Art degree program, if you have completed college-level studio courses and are seeking studio equivalency credit you must complete a transfer portfolio review. The department will only accept up to 24 transfer credits of studio work toward the major. The transfer portfolio consist of five to seven images of work for each studio art course you have completed along with a list of the size of the medium and the title of the course. Slides or CDs will be accepted; however, they will be discarded after review if there is no return, self-addressed, stamped (US Postage) envelope. No ZIP disks or floppy will be viewed. Do not send original art work, portfolio, or slide carousels. Clearly mark your name and telephone number on the front of the CD or each slide. These materials are to be sent to the Tyler Admissions Office, 2001 North 13th Street, Philadelphia, PA 19122.

Bachelor of Arts in Art Major Requirements

Department	Course #	Course Name	Hours	RCI
Art	1501	Introduction to Visual Language: Design	3	AR
Art	1401	Introduction to Visual Language: Drawing	3	AR
		or		
	1496	Introduction to Visual Language: Drawing		AR
		or		
	1996	Honors Introduction to Visual Language: Drawing		AR
Art	1101	Introduction to Visual Language: Painting	3	AR
Art	1201	Introduction to Visual Language: 3-D Design	3	AR
Art	4796	Art Seminar	3	WI
Art History	1155	Art Heritage of the Western World I	3	AR
Art History	1156	Art Heritage of the Western World II	3	AR
<i>Select one from the following list:</i>			3	
Art History	Elective	2000 or above		AR
		or		
Philosophy	1061	Art and Society		
		or		
Art Education	3011	Interdisciplinary Seminar in Community Arts		
A course chosen here cannot be used as part of upper-level CLA requirements.				

Students must also satisfy all requirements of one of the following three concentrations:

Studio Concentration Requirements

Department	Course #	Course Name	Hours	RCI
Art	2102	Intermediate Painting	3	

Art	2111	Aqueous Media	3	
Art	2402	Intermediate Drawing	3	
			8	
<i>Select two from the following list:</i>			6	
Art	2301	Relief Printmaking I		
	2302	Intermediate Printmaking: Relief		
	2311	Lithography		
	2312	Intermediate Printmaking: Lithography		
	3321	Intermediate Printmaking: Digital		
<i>Plus:</i>				
Art		Five Studio Electives	15	
CLA		Five upper-level CLA courses, one must be in Social Science. Upper-level Art History courses can be counted.	15	

Digital Media Concentration Requirements

Department	Course #	Course Name	Hours	RCI
Art		Two Non-Digital Studio Electives	6	
<i>Select one from the following list:</i>			3	
Art	2301	Relief Printmaking I		
	2302	Intermediate Printmaking: Relief		
	2311	Lithography		
	2312	Intermediate Printmaking: Lithography		
Art	2801	Art Photography: Darkroom		
	2802	Intermediate Art Photography: Darkroom		
<i>Plus:</i>				
Art		Five Digital Studio Electives	15	
Art		Two additional Studio Electives, digital or non-digital.	6	
CLA		Five upper-level CLA courses, one must be in Social Science. Upper-level Art History courses can be counted here.	15	

Visual Studies Concentration Requirements

Department	Course #	Course Name	Hours	RCI
<i>Select one from the following list:</i>			3	
Art	2301	Relief Printmaking I		
	2311	Lithography		
Art	2601	Computer Imaging		
	2602	Intermediate Computer Imaging		
Art	2801	Art Photography: Darkroom		
	2802	Intermediate Art Photography: Darkroom		
Art	2811	Art Photography: Digital		
	2812	Intermediate Art Photography: Digital		

<i>Select four from the following list:</i>			12	
Anthropology	3324	Anthropology and Art		
Philosophy	1061	Art and Society		AR
	2131	Introduction to Aesthetics		
History	1011	Modern U.S. History Through Film		
FMA	1172	Introduction to Film & Video Analysis		
English	2711	Introduction to Cinema Studies		
	2712	International Film		
	2713	Art of the Film		RS
<i>Plus:</i>				
Art History		Two Art History Electives (except 1001)	8	
		Six Concentration Electives drawn from Studio, Theory, History or Science. See department advisor. Courses used in the category "Select four from the following" cannot be used in this category.	18	

Art Minor Requirements

Department	Course #	Course Name	Hours	RCI
Art	1501	Introduction to Visual Language: Design	3	AR
Art	1401	Introduction to Visual Language: Drawing	3	AR
Art	1101	Introduction to Visual Language: Painting	3	AR
Art History	1155	Art Heritage of the Western World I <i>or</i>	3	AR
	1156	Art Heritage of the Western World II		AR
Select one from the following list:			3	
Art	2301	Relief Printmaking		
	2311	Lithography		
	2601	Introduction to Computer Imaging		
	2801	Art Photography: Darkroom		
	2811	Art Photography: Digital		
Plus:				
Art		Two additional Studio Electives	6	
Note: The department will accept a maximum of 9 s.h. of transfer studio credits towards the minor. A portfolio of work must be submitted for review by department faculty.				

Bachelor of Science in Art Education

Jo-Anna J. Moore, Chairperson

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215-204-7181

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The Art Education program ensures a fully-rounded preparation for the elementary and secondary school teacher. This program provides content study for art teacher preparation and teacher certification to teach art in kindergarten through twelfth grade. The requirements for the degree are 128 total credits. 42 credits are in studio art, 9 credits in Art History, 20 credits in Art Education, 18 credits in Education, and 35 to 45 credits in General Education or University Core Curriculum. The department will accept a maximum of 24 semester hours of transfer studio credits toward the major. The Bachelor of Science degree in Art Education may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 128 semester hours of credit with a minimum cumulative GPA of 3.0.

Major Requirements for the B.S. in Art Education

A minimum of 128 hours is required for the degree.

In addition to the major and college requirements, students must complete a set of university requirements: General Education (GenEd) or Core:

New *freshman students* starting in the 2008-2009 academic year are required to complete the [General Education](#) curriculum.

New *transfer students* starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

Department	Course #	Course Name	Hours	RCI
Art	1101	Introduction to Visual Language: Painting	3	AR
Art	1201	Introduction to Visual Language: 3-D Design	3	AR
Art	1401/1496	Introduction to Visual Language: Drawing	3	AR/WI
Art	1501	Introduction to Visual Language: Design	3	AR
Art	2102	Intermediate Painting	3	
Art	2111	Aqueous Media	3	
Art	2301	Relief Printmaking I	3	
		<i>or</i>		
Art	2311	Lithography		
Art	2402	Intermediate Drawing	3	
Art	4796	Art Seminar (offered only in the Fall)	3	WI
Crafts	2151	Beginning Ceramics	3	
Art History	1155	Art Heritage of the Western World I	3	AR

Art History	1156	Art Heritage of the Western World II	3	AR
Art History		Art History Elective (not Art History 1001)	3	
Art		Studio Art Electives from University Art Department (four courses)	12	

Required Courses Also Satisfying University Core

Department	Course #	Course Name	Hours	RCI
Psychology	1061	Psychology as a Social Science	3	IN
History	1101	History of US 1600-1877	3	AC
	1102	<i>or</i> History of US 1877-Present		AC

Additional Liberal Arts Requirements

Department	Course #	Course Name	Hours	RCI
STOC	1111	Public Speaking	3	
Literature Elective		Any University literature course. (See Department Advisor for pre-approval.)	3	

Department	Course #	Course Name	Hours	RCI
Art Education	2001	Science & Art of Teaching (Only offered in Spring) (Prerequisites: English 1002 & Psych 1061.) (B-)	4	
Art Education	3002	Art in Elementary & Secondary Education (Prerequisites: Speech Screening, PPST tests, ART ED 2001. Application must be submitted during pre-registration the semester prior to taking the course.)(B-)	4	
Art Education	4088	Student Teaching is now five full days per week. (Prerequisites: All EDUC and ART ED courses must be completed. Application must be submitted during pre-registration the semester prior to taking the course.) (C)	12	

Department	Course #	Course Name	Hours	RCI
EDUC	1196	Education & Schooling in America (C)	3	AC/WI
EDUC	1255	Inclusive Education For a Diverse Society (C)	3	
EDUC	1322	The Developing Individual Across the Lifespan (C+)	3	
EDUC	2205	Curriculum, Instruction and Technology in Education (C+)	3	
EDUC	2255	Effective Use of Instructional Technology in Classrooms (Prerequisite: Skills Test) (C+)	3	
EDUC	2306	Assessment and Evaluation (C)	3	

Note: Grades in parentheses indicate minimum grade necessary to count towards degree requirements.

Art History Department

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The Department of Art History offers broad-ranging introductory surveys of art, from prehistoric times to the present, and more closely focused courses, treating limited segments of the vast historic panorama in both western and non-western art. Approximately sixty courses are offered over the span of a four-year period. Students majoring in art history should graduate with a thorough knowledge of the art historical traditions of each major period from ancient through postmodern art.

Students majoring in art history, especially those pursuing the advanced degree, should be qualified to teach at all levels of lower and higher education. They can also obtain jobs as museum curators, gallery directors, corporate art employees, researchers, and work in a variety of capacities for cultural associations.

The Graduate Student Art History Association sponsors lectures and exhibition visits throughout the year.

Bachelor of Arts in Art History Degree Stipulations

A minimum of 123 credits is required for the degree. A minimum of 45 semester hours in CLA upper-level courses must be completed. A minimum GPA of 2.0 is required at graduation.

In addition to the required major courses, students must complete a set of university requirements: General Education (GenEd) or Core Curriculum.

New freshman students starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum. In addition to the GenEd World Society requirement, B.A. candidates are required by their department to successfully complete the second semester of a foreign language.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum. B.A. candidates are required by their department to successfully complete both the International Studies and Foreign Language requirement. See [International Studies/Language](#) requirements in the Core Curriculum section of this *Bulletin*.

Required Major Courses: Introductory

Department	Course #	Course Name	Hours	RCI
Two of the following four:				

Art History	1001	Visual Experience	3	AR
Art History	1801	Arts of Asia	3	AR
Art History	1155, 1955	Art Heritage Western World I	3	AR
Art History	1156, 1956	Art Heritage Western World II	3	AR

Upper-Level Requirements for the Major

Department	Course #	Course Name	Hours	RCI
<i>One course from five of the following seven categories:</i>				
Art History		Ancient: 1003, 2111, 2117, 2129, 2135, 2196		
Art History		Medieval: 2215, 2216, 2217, 2325		
Art History		Renaissance: 2323, 2325, 2329, 3301, 3324		
Art History		Baroque: 2329, 2428, 2431, 2432, 2496, 2596		
Art History		19th Century: 2535, 2543, 2563, 2704		
Art History		20th Century: 2008, 2013, 2642, 2644, 2651, 2701		
Art History		Non-Western: 2807, 2815, 2818, 2819, 2868		
Note: Courses listed in more than one field may only count for one field. If a course is a 2100/2200/2300/2990 "topics" class, see the Undergraduate Advisor to find out if the topic will cover a time period/cultural area.				

Art History Major Elective and Studio Requirements

Department	Course #	Course Name	Hours	RCI
Art History		Three additional upper-level electives drawn from courses listed above and 2001, 2002, 2003, 2011, 2039, 2061, 2141, 2142, 2622, 2658, 2751, 2752, 3082, 3182, 3302, 4082, 4182. (Note: Two courses must be Writing Intensive, one of which is the capstone course Art History 2197.)	12 minimum	
Art		Any Art studio offered by the Temple University Art Department, or appropriate transfer equivalency.	3	

Art History Minor

Art History Minor Requirements (for Main Campus Students)

Department	Course #	Course Name	Hours	RCI
Art History		Introductory Course: Select from 1001, 1801, 1155, 1156, 1955, 1956	3	AR
Art History		Upper-Level Electives: Select four from 2000 and above	16	

Art History Minor Requirements (Tyler School of Art B.F.A. Students)

Department	Course #	Course Name	Hours	RCI
Art History	1155/1955	Art Heritage Western World I	3	
Art History	1156/1956	Art Heritage Western World II	3	
Art History		Upper-Level Electives: Select four from 2000 and above	16	

FOX SCHOOL OF BUSINESS & MANAGEMENT

Founded 1918

M. Moshe Porat, Dean
111 Speakman Hall
1810 N. Broad Street
215-204-7676
www.fox.temple.edu

Accreditation

The Fox School of Business and Management is one of only seven schools in the greater Philadelphia area with curricula at both the undergraduate and graduate levels accredited by The Association to Advance Collegiate Schools of Business (AACSB), the International Association for Management Education.

Vision

Our vision is to be recognized as the premier center of business management education for the Philadelphia region and beyond and to position the school as one of the leading public-urban business schools in the country. We strive to achieve high rankings in selected programs, both nationally and internationally, with the overall goal of being recognized consistently among the top 10th percentile of all accredited business schools in the world.

Mission Statement

Our mission and agenda are shaped by the forces driving today's economy, the anticipation of tomorrow's emerging trends, and our continuing commitment to our region and to our public-urban community. At the same time, we are always true to the vision of Temple University founder, Russell Conwell, and the core values that made his university a gateway to opportunity and prosperity for all with the talent and determination to succeed, particularly those with lesser financial means.

To ensure that our students acquire the tools and perspective that provide them with a competitive edge in today's global marketplace, we are committed to these five major themes:

- Providing quality, student-centered business and management education founded on our traditions and values, and one that responds to the driving forces of the economy – globalization, informational technology, entrepreneurship and innovation.
- Engaging in state-of-the-art research necessary for managing in an increasingly-competitive and dynamic global economy.
- Integrating cutting-edge information technology into teaching, learning and research at all levels.

- Providing the best professional development opportunities for our students, faculty and staff with special efforts to facilitate development of ethical values, social networking skills and leadership skills.
- Linking, through our curriculum, research and outreach, to the dominant and growth industries in our region: financial services, healthcare, pharmaceuticals/biotechnology, information technology, and tourism and hospitality.

Learning Outcomes for the B.B.A. Program

The four main learning goals for the B.B.A. program will be a demonstration that all students are competent in the following:

- Understand critical business concepts.
- Apply critical thinking to business problems
- Demonstrate effective oral and written communication.
- Understand the ethical, legal, and social responsibilities of individuals and organizations.

Special Facilities & Programs

Center for Student Professional Development (CSPD)

<http://fox.temple.edu/cspd>

The Center for Student Professional Development (CSPD) is a vital link between the Fox School and the business community. Utilizing a unique "professional development model," CSPD ensures all undergraduates develop the requisite professional skills that will help them locate meaningful internship and permanent jobs with regional and national companies. The center provides:

- one-on-one coaching sessions
- group workshops
- on-campus recruiting
- leadership training
- numerous networking events with employers.

Being successful requires a balance of good academic performance, an understanding of the markets, and industry expectations and experience gained through active involvement in Student Professional Organizations. In addition, the CSPD staff teaches Business Administration 2101, a course designed to help students develop the basic professional tools that they will need to find internships and permanent jobs.

Internship & Co-op Programs

The Center for Student Professional Development and Student Professional Organizations work in partnership with employers to connect students with a wide variety of internship positions, both full and part-time. For more information on internship opportunities, please contact the

student professional organization for your major or the Center for Student Professional Development at 215-204-2371.

In addition to the Fox School's Internship Program, the university also offers co-op opportunities through its Cooperative Education Office located in Career Development Services. For more information about the University's Co-op Program, and the requirements necessary to participate in the program, please call the Co-op Office at 215-204-7981 or www.temple.edu/careerdev.

Honors Program

The Fox School of Business and Management offers a stimulating Honors Program for students who demonstrate exceptional ability and achievement in their studies. High school students with SAT scores of at least 1300 (Math/Critical Reading) and rank in the top 15% of their class, and college students with at least a 3.6 grade point average are encouraged to apply. The program consists of a Lower-Division component and an Upper-Division component. Students earn an Honors Certificate upon completion of each. Students who enter Temple University as freshmen are part of the University Honors Program. For more information on this program, please visit the web site at www.fox.temple.edu/honors.

Students admitted to the Honors Program may apply to join the Research Scholars program. Research Scholars work with faculty mentors on research projects in their chosen field. The research culminates in a senior thesis that students present during the spring of their senior year. Special scholarships are available for Research Scholars.

Students who enter the FSBM Honors Program are expected to join the Business Honors Student Association as well as the student organization in their major. For more information about the FSBM Honors Program and the Research Scholars Program, please contact Dr. Lynne Andersson, Faculty Director, FSBM Honors Program, 106E Speakman Hall, 215-204-5088, or Charles Allen, Administrative Director, FSBM Honors Program, 106F Speakman Hall, 215-204-8122, or visit the web site at www.fox.temple.edu/honors.

Learning Communities

All freshmen in the Fox School of Business and Management are part of a learning community. Courses within the community typically include Human Resource Management (*Organization and Management* 1101) paired with either *Macroeconomic Principles* 1101 or *Microeconomic Principles* 1102.

Temple University Learning Communities are designed to help orient students to Temple University and will help students make friends and build a network for academic and social support. See the [Learning Communities section](#) of the *Bulletin* or the web site: www.temple.edu/vpus/programs_initiatives/#LC.

Honorary Societies, Awards, & Student Associations

Beta Gamma Sigma

The Gamma Chapter of Beta Gamma Sigma, the international honorary business society, was installed in the Fox School of Business and Management in March 1935. Membership is limited to seniors and juniors who are in the upper 10 percent of their class. The members of Beta Gamma Sigma are elected on the basis of high scholarship. Eligible students will be notified by mail in March and invited to attend a special induction ceremony in April. Please contact Charles Allen at 215-204-8122 for more information.

Beta Alpha Psi

This national honorary fraternity was established for students of accountancy, finance, and information systems. For more information, please contact the officers of Beta Alpha Psi at 215-204-8889, www.temple.edu/bap.

Financial Management Association/National Honor Society

This national honorary society strives to provide opportunities to enhance the professional development of its members. For more information, contact the FMA executive officers at 215-204-6673, or go to [The Fox School | Financial Management Association](http://sbm.temple.edu/org/fma.htm) web site at <http://sbm.temple.edu/org/fma.htm>.

Gamma Iota Sigma

This is an international Risk Management, Insurance, and Actuarial Science fraternity. The purpose of the Sigma Chapter of Gamma Iota Sigma is to encourage, establish, and enhance the professionalism of students in the Risk Management, Healthcare Risk Management, and Actuarial Science programs. Contact Dr. R.B. Drennan in the Risk, Insurance, and Healthcare Management Department at 215-204-8894 or contact the GIS Officers at 215-204-9368.

Omicron Delta Epsilon

This is a national honor society for students interested in Economics and whose GPA's are at least 3.0. This group is a subgroup of the Temple University Economics Society. For more information, please contact Donald Wargo at docwargo@temple.edu or phone 215-204-8165, or go to [The Fox School | Omicron Delta Epsilon](http://sbm.temple.edu/org/ode.htm) web site at <http://sbm.temple.edu/org/ode.htm>.

Student Organizations

www.fox.temple.edu/org/

As part of the student's overall professional development, all FSBM students are strongly encouraged to participate in student organizations, professional associations, and academic fraternities. All major areas of concentration in the undergraduate curriculum have an associated

organization. Freshmen and sophomores can utilize the organizations to find out more about the major fields of studies available to them. The student organizations provide an opportunity for students to meet one another outside the classroom as well as to meet practicing professionals from industry and government. Many organizations have an array of social activities that range from fundraising and community service projects to evening gatherings.

The Fox School of Business and Management has the following student professional organizations: Accounting Professional Society, Ascend, Association of Computing Machinery, American Marketing Association, Association of Management Information Systems, Beta Alpha Psi, Business Honors Student Association, Entrepreneurial Student Association/SIFE, Financial Management Association/National Honor Society, Gamma Iota Sigma, International Business Association, National Association for Black Accountants, Omicron Delta Epsilon, Phi Alpha Delta Pre-Law Fraternity, Phi Beta Lambda Business Fraternity, Rho Epsilon, the Society for Human Resource Management, Students for Responsible Business, Temple Economics Society, Toastmasters, and Upsilon Pi Epsilon.

Please contact the College Council Officers at 215-204-6660 for more information about student organizations on the Main Campus. At the Ambler Campus, please call David Kaiser at 267-468-8366.

Fox School of Business & Management College Council (FSBMCC)

The college council is comprised of the presidents from each of the recognized FSBM student organizations, associations, and fraternities. The council's role is to assist the individual student organizations in recruiting members, obtaining funding, sponsoring activities, identifying outside speakers, and communicating with students. The college council sponsors volunteer opportunities, student organization fairs, Spring Fling activities, and social events for all FSBM students. The council also works closely with the dean's office and the Center for Student Professional Development to identify issues that are of concern to students and the student organizations. To contact the Main Campus college council, please call 215-204-6660. At the Ambler Campus, please call 267-468-8366.

Center for Undergraduate Advising

The Center for Undergraduate Advising provides advising at three campuses: Main, Ambler, and TUCC. The Main Campus and Ambler offices are open every weekday. The Center City office is open on selected days and evenings. Please see our web site for current office hours and staff: www.fox.temple.edu/advising. Students are expected to know [University Policies](#) and their program requirements as defined in their *Bulletin* and on their DARS report at www.owl.net.temple.edu. Advisors will help students with program questions and will provide information to help students define their academic goals and plan the academic course sequence to meet these goals. They may also refer students to additional academic resources and university support services as needed. Students will find additional resources for planning their program in the Fox Undergraduate Advising Blackboard community.

Office of the Ombudsperson

The Fox School of Business and Management Ombudsperson will assist students in resolving problems that might arise from the classroom, acting as mediator between faculty and students when problems arise. The grievance procedures can be reviewed online at www.fox.temple.edu/advising/ombuds or contact the Center for Undergraduate Advising at 215-204-4560 for further information.

Academic Advising

Center for Undergraduate Advising

<http://sbm.temple.edu/advising/>

The Center for Undergraduate Advising provides advising at three campuses: Main, Ambler, and TUCC. The Main Campus and Ambler offices are open every weekday. The Center City office is open on selected days and evenings. Students are expected to know [University Policies](#) and their program requirements as defined in their Bulletin and on their DARS report at www.owl.net.temple.edu. Advisors will help students with program questions and will provide information to help students define their academic goals and plan the academic course sequence to meet these goals. Advisors will also refer students to additional academic resources and university support services as needed. Students will find additional resources for planning their program in the Fox Undergraduate Advising Blackboard community.

Academic Policies & Regulations

The university policies and regulations apply to all undergraduate students and provide a framework within which schools and colleges may specify further conditions or variations appropriate to students in their courses or programs. Policies specific to FSBM are as follows:

Anticipation of Graduation

Students must submit an application for graduation along with the receipt for payment of graduation fees to their campus of record prior to the Continuing Student Registration period for their final semester. Graduation application deadlines and current graduation information is available from the advising web site at www.fox.temple.edu/advising.

Course Eligibility

To be eligible to enroll in courses numbered 3000 or higher, a matriculated FSBM student must have completed at least 57 semester hours of college coursework in courses, including:

- Accounting 2101 and 2102 or 2521
- Computer & Information Sciences 1055 or 0835 or pass Fox School computer literacy test
- Economics 1101, 1102

- Risk Management & Insurance 2101
 - Law 0856 (1001) or 1101
 - Statistics 1001, 1102, 2101, 2102 or 2103
 - Marketing 2101
 - Human Resource Management 1101
- and have met any specific course prerequisites.

Courses Inapplicable to Graduation Requirements

Semester hours earned in SRAP or ELECT, Preparatory Mathematics (formerly Mathematics 0001 or 0015), and lower-division (under 3000) Military Science courses do not yield academic credit toward the minimum total of 124 (for new freshmen) or 123 (for new transfer students).

Dean's List (Scholastic Distinction List)

Undergraduate students who achieve a semester GPA of 3.5 or above with a completed semester load of 12 or more credits are selected for the Dean's List, which is posted on official bulletin boards in Speakman Hall and West Hall. Any MG's, NR's, or I's must be completed within two weeks after the semester ends to be eligible for the Dean's List for that semester.

Dean's List for Part-time Students

Matriculated undergraduate students who have earned at least 12 credit hours across an academic year (fall and spring semesters) with semester GPAs of 3.5 or above in each semester are eligible to be considered for Dean's List recognition for that academic year. Students are not eligible for the Dean's List if the fall semester contains any MG's, NR's or I's; any MG's, NR's or I's from the spring semester must be completed within two weeks after the semester ends to be eligible for the Dean's List for that academic year.

Probation and Drop

Students in the Fox School of Business and Management are bound by the university policy on Academic Warning, Probation, Dismissal, and Reinstatement. The university policy can be found at http://policies.temple.edu/getdoc.asp?policy_no=02.10.11.

Grade Point Average Requirement for Graduation

FSBM students are required to attain a 2.0 (2.0=C) average in all of their Temple coursework and in their major in order to graduate from the Fox School of Business and Management. Some courses may have specific higher minimum grade requirements for degree applicability. Please check current course descriptions and the section pertaining to your major for this information. Major GPA calculators are available at www.fox.temple.edu/advising.

Life Experience

The Fox School of Business and Management does not offer credits for life experiences. Please see [Credit for Prior Learning](#) under the Academic Policies section of this *Bulletin* for information about advanced placement or CLEP examinations.

Readmission

Students who have not enrolled for two consecutive semesters must apply for readmission to the Fox School. Deadlines for completed readmission applications are July 1 for fall, November 1 for spring, and April 1 for summer. Any existing holds must be cleared prior to readmission and official transcripts provided for any college-level courses completed after leaving Temple University. Please note that students who have been absent from Temple for five or more years will be required to meet current program requirements and upper-level business credits (courses 3000 and higher) earned previously may no longer apply toward the degree. Readmission applications can be found at http://sbm.temple.edu/advising/documents/Readmitapplicationrev805_000.pdf.

Residence Requirement

A minimum of 30 of the last 45 semester hours, including the majority of the requirements of a major, must be completed in the Fox School of Business and Management at Temple University in order to receive a degree. In addition, a minimum of 50% of the business courses must be completed at Temple University. See the Academic Residency Requirements policy at www.temple.edu/bulletin/policies/policies_part1.htm#acad_res_req.

Transfer Credits

Business courses taken at colleges or universities which are not members of The Association to Advance Collegiate Schools of Business ([AACSB](#)) will be accepted for transfer business credits only if they are equivalent to Economics 1101, 1102, Accounting 2101, 2102, Computer & Information Sciences 1055, Risk Management & Insurance 2101, Law 0856 (1001), Law 1102, Statistics 1001, 1102, 2101, 2102. Marketing 2101 and Human Resource Management (formerly Human Resource Administration) 1101 will be accepted for transfer if they were taken during the fall 1994 semester or later. Human Resource Management 2501 will be accepted for transfer if taken during the spring 2005 semester or later. Specific articulation agreements with local colleges may expand on this list. Current articulation agreements can be viewed at www.fox.temple.edu/transfer/index.htm.

Additional business credits are accepted from colleges that are members of the AACSB. It should be understood that it is possible for a student to transfer in a large number of credits, which, while accepted by the university, may exceed the maximum number of elective credits applicable to the degree.

Permission to Take Courses at Another Institution

Consistent with the University Policy, www.temple.edu/bulletin/policies/policies_part4.htm#another_inst, students will not receive transfer credit for courses taken at another institution while they are matriculated at Temple University unless prior permission has been obtained. Permission forms are available in the Fox School advising offices. Please refer to the above section on transfer credits. Students should allow one to two weeks for processing once permission forms and documentation have been submitted.

Non-Matriculated Student Policy

[Students not formally admitted to Temple University](#) may take undergraduate courses numbered under 3000 in the Fox School of Business and Management. Undergraduate courses numbered above 3000 are open to visiting students who have completed a minimum of 60 credits, have met course prerequisites, and have written permission from their home institution. Students who have a baccalaureate degree and the prerequisites for the course desired may also enroll in advanced courses.

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

[New freshmen](#) starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

[New transfer students](#) starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

College Graduation Requirements for Freshmen (GenEd)

The degree of Bachelor of Business Administration (B.B.A.) may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 124 semester hours of credit with a minimum cumulative GPA of 2.0 overall and in the major. A minimum of 124 credit hours will be earned in the following four requirement categories:

[University General Education \(GenEd\) Requirements](#)

[Fox School of Business & Management lower- and upper-division requirements](#)

[Major requirements](#)

[Electives](#)

General Education Curriculum (For Freshmen)

Go to the [General Education](#) pages in this *Bulletin* for information on the GenEd curriculum for new freshman students.

Fox School of Business & Management Requirements for Freshmen (GenEd)

Lower-Division Foundation Requirements

Note: 1000-level courses are normally taken in freshmen year; 2000-level courses are normally taken in sophomore year.

Department	Course #	Course Name	Hours
Economics	1101	Macroeconomic Principles	3
Economics	1102	Microeconomic Principles	3
Human Resource Management	1101	Organization & Management	3
Law S.B.M.	1101	Legal Environment of Business	3
Statistics*	1001	Pre-Calculus for Business	3
Statistics	1102	Calculus for Business	3
Statistics**	2103	Business Statistics	4
Accounting	2101	Financial Accounting	3
Accounting ***	2102	Managerial Accounting	3
Management Information Systems	2101	Information Systems in Organizations	3
Marketing	2101	Marketing Management	3
Business Administration	2101	Professional Development Strategies	1
Business Administration	2102	Business Communications	3
Risk Management & Insurance	2101	Introduction to Risk Management	3
Subtotal			41

*Higher level courses may be recommended depending on the mathematics placement score or the student's intended major. Actuarial Science majors should refer to the math courses listed under the Actuarial Science major description.

** Successful completion of this course will meet the Quantitative Literacy General Education requirement.

*** Accounting majors will substitute Accounting 2521: *Cost Accounting*.

Note: In order to graduate, a grade of C- or better must be obtained in all FSBM lower-division requirements.

Upper-Division Foundation Requirements

Note: 3000-level courses are normally taken in the junior or senior year; 4000-level courses are taken in the senior year.

Department	Course #	Course Name	Hours	RCI
Finance	3101	Financial Management	3	
Management Science/Operations Management	3101	Operations Management	3	
Business Administration	3102	Business, Society & Ethics	3	
Business Administration	3103	Integrative Business Applications	3	
Business Administration	4196	Global Business Policies	3	WI

International Business Administration	3101*	Fundamentals of International Business	3	
Subtotal			18	

*This course is waived for students who major in Economics, Finance, Marketing, or Real Estate. It is waived for students who major in Accounting and Management Information Systems only if a second major or a minor is not completed.

Summary of Graduation Requirements (for new freshmen)

Credits for B.B.A. Degree	Hours
University General Education	32
Lower-Division Foundation Requirements	41
Upper-Division Foundation Requirements	18
Major Requirements	18
Electives	15
Total	124

Major Requirements for Freshmen

Twenty business courses (59 s.h.) are required as part of the lower- and upper-division foundation requirements for the B.B.A. program. In addition, a minimum of six business courses must be completed in the major. In completing the courses in the major, students will become competent in understanding critical business concepts and the practice of ethical decision-making, and demonstrate both effective written and oral communication and the ability to apply critical thinking to business problems. All FSBM students must take a minimum of two writing-intensive courses. One of these courses will be Business Administration 4196; the second will be a writing-intensive capstone course in the major. The writing capstone is normally taken in the students' final semester.

NOTE: Many upper-division foundation courses and major courses have prerequisites and some of these prerequisites also include grade requirements. Students are required to meet all prerequisites. Prerequisites will be strictly enforced and the school reserves the right to de-enroll students from courses when prerequisites have not been met. Course descriptions, including prerequisites, are found at www.temple.edu/bulletin/ugradbulletin/ucd/ucdtoc.html.

Electives for Freshmen

Free electives: Students who have satisfied all of the requirements for GenEd, the Fox School Foundation, and the major (listed above) will need additional credits to achieve the 124 credit minimum required for graduation. These credits may be taken in either business or non-business courses. Students are encouraged to explore completing a minor, a certificate, or a second major for these credits.

College Graduation Requirements for Transfer Students (Core Curriculum)

The degree of Bachelor of Business Administration (B.B.A.) may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 123 semester hours of credit with a minimum cumulative GPA of 2.0 overall and in the major. A minimum of 123 credit hours will be earned in the following four requirement categories:

[University Core Curriculum requirements](#)

[Fox School of Business & Management lower- and upper-division requirements](#)

[Major requirements](#)

[Electives](#)

University Core Curriculum (for Transfer students)

Go to the [Core Curriculum](#) pages in this *Bulletin* for information on the Core curriculum for new transfer students.

Fox School of Business & Management Requirements for Transfer Students (Core Curriculum)

Lower-Division Foundation Requirements

Note: 1000-level courses are normally taken in freshmen year; 2000-level courses are normally taken in sophomore year.

Department	Course #	Course Name	Hours	RCI
Computer & Information Sciences	1055*	Computers & Applications	4	SB
Economics	1101	Macroeconomic Principles	3	IN
Economics	1102	Microeconomic Principles	3	IN
Strategic & Organizational Communication	1111	Public Speaking	3	
Statistics**	1001	Pre-Calculus for Business	3	QA
Statistics	1102	Calculus for Business	3	QB
Statistics	2101	Statistical Methods & Concepts	3	QB
Statistics	2102	Selected Statistical Applications	3	
Subtotal			25	
Accounting	2101	Financial Accounting	3	
Accounting	2102	Managerial Accounting	3	
Human Resource Management	1101	Organization & Management	3	
Law S.B.M.	0856	Law & American Society	3	AC
Marketing	2101	Marketing Management	3	
Risk Management & Insurance	2101	Introduction to Risk Management	3	
Subtotal			18	
* This computer requirement can be satisfied by the successful completion of either 1) C+IN SC 1055:				

Computers & Applications (meets the Fox School computer literacy requirement and the University Core Science B [SB] requirement) OR 2) C+IN SC 0835: *Cyberspace & Society* (meets the Fox School computer literacy requirement and the University Core Science B [SB] requirement) OR 3) passing the Fox School [computer literacy test](#) (students required to complete the full Core curriculum must take a different course to meet the Core Science B [SB] requirement.)

**Higher level QA & QB courses may be recommended depending on the mathematics placement score or the student's intended major. Actuarial Science majors should refer to the math courses listed under the Actuarial Science major description.

Note: In order to graduate, a grade of C- or better must be obtained in all FSBM lower division requirements.

Upper-Division Foundation Requirements (limited to juniors and seniors)

Note: 3000-level courses are normally taken in the junior or senior year; 4000-level courses are taken in the senior year.

Department	Course #	Course Name	Hours	RCI
Business Administration	2101	Professional Development Strategies	1	
Business Administration	3102	Business, Society & Ethics	3	
Business Administration	4196	Global Business Policies (graduating seniors only)	3	WI
Finance	3011	Introduction to Financial Markets	3	
Finance	3101	Financial Management	3	
Management Science/Operations Management	3101	Operations Management	3	
Subtotal			16	

Summary of Graduation Requirements

Credits for B.B.A. Degree	Hours
University Core Curriculum	6-31
Lower Division Foundation Requirements	43
Upper Division Foundation Requirements	16
Major Requirements	27-46
Electives	0-31
Total	123

Major Requirements for Transfer Students

Twenty courses (59 s.h.) are required as part of the lower- and upper-division foundation requirements for the B.B.A. program. In addition, a minimum of nine business courses must be completed in the major, which is comprised of 1) required major courses, 2) one information

technology course, 3) an international course, 4) one upper-level (3500+) Economics course, 5) and business electives. Business electives can be satisfied with upper-level business courses (3000+ level).

NOTE: Many upper-division foundation courses and major courses have prerequisites. Some of these prerequisites also include grade requirements. Students are required to meet all prerequisites. The school reserves the right to de-enroll students from courses when prerequisites have not been met. Prerequisites will be strictly enforced. The majority of the major coursework, as well as all prerequisites, must be completed prior to taking the capstone course for the major. Students not meeting the requirements for the courses they enroll in may be de-enrolled from those courses. You can review course descriptions at www.temple.edu/bulletin/ugradbulletin/ucd/ucdtoc.html.

Electives for Transfer Students

Free electives: Students who have satisfied all of the requirements listed above may need to take additional credits to achieve the 123 credit minimum required for graduation. These credits may be taken in either business or non-business courses.

Student Contact

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Faculty

Please see our faculty/staff directory at <http://sbm.temple.edu/directory/>.

All Business Minors & Certificates

108 Speakman Hall
1810 N. 13th Street
Philadelphia, PA 19122
215-204-7676

<http://sbm.temple.edu/programs/busmng.htm>

Many Temple University undergraduates are currently taking selected business courses to prepare themselves better for their careers after graduation. The Fox School of Business and Management offers a number of minor and certificate programs to facilitate this preparation. Some programs are open to all students in the university; others are restricted to a limited student population. After the student completes the requirements for a minor, it will be recorded on the student's official university transcript upon graduation. Please visit our [minor and certificate web site](http://sbm.temple.edu/advising/minor.html) at <http://sbm.temple.edu/advising/minor.html> for further information.

Minors

The Business Minor

- Open to non-business students only.
- Quantitatively oriented - provides a good foundation for non-business students to facilitate the transition into an M.B.A. program.
- Eight courses (five of these must be taken at Temple University):
 - Economics 1101, Economics 1102, Human Resource Management 1101, Accounting 2101, Accounting 2102, Marketing 2101, Risk Management & Insurance 2101, Statistics 2101 or 2103.
- A grade point average of 2.0 in courses in the minor is required as well as a minimum grade of C- in each course.
- Visit the [Fox School web site](http://www.fox.temple.edu/advising/minors.html#business) at www.fox.temple.edu/advising/minors.html#business to declare or rescind this minor.

Interested students should discuss with their home college advisors how the courses in the minor will fit into their overall degree plan and are strongly encouraged to submit the minor declaration form early in their academic career.

General Business Studies Minor

- Open to non-business students only.
- Less quantitative - provides a good foundation of business skills with the flexibility to explore selected areas of interest in business.
- Eight courses required (five of these must be taken at Temple University):
 - Four courses required for foundation: Economics 1101, Human Resource Management 1101, Accounting 2101, Marketing 2101;
 - Four electives chosen from approved list: Accounting 2102 or 2902, Accounting 3511 or 3911; Business Administration 3102; Economics 1102 or 1902, Economics 3500-level

elective where prerequisites are met; General & Strategic Management 2501, 2502, 3501; Healthcare Management 3501, 3502, 4596; Human Resource Management 2501, 3501, 3502, 3503; Law 0856 or 0956, 1102, 3502, 3503, 3504; Management Information Systems 2101, 2501, 2502; Marketing 3501, 3503, 3504, 3508; Risk Management & Insurance 2101 or 2901; Statistics 2101 or 2901 or Statistics 2103 or 2903.

- A grade point average of 2.0 in courses in the minor is required.
- Visit the [Fox School web site](http://sbm.temple.edu/advising/minors.html#general_business_studies) at http://sbm.temple.edu/advising/minors.html#general_business_studies to declare or rescind this minor.

Interested students should discuss with their home college advisors how the courses in the minor will fit into their overall degree plan and are strongly encouraged to submit the minor declaration form early in their academic career.

The Accounting Minor

- Open to business or non-business students.
- Understand basic business foundations, financial statements, and the accountant's role in the management of a company.
- Twelve courses required (seven of these, including three departmental, must be taken at Temple University):
 - Eight courses for foundation (completion of the Business Minor): Economics 1101, Economics 1102, Human Resource Management 1101, Accounting 2101, Accounting 2102, Marketing 2101, Risk Management & Insurance 2101, Statistics 2101 or 2103;
 - Four departmental courses: Accounting 3511, 3512, plus two additional courses in accounting.
- A grade point average of 2.0 in courses in the minor is required as well as minimum grades of C- in each foundation course and minimum grades of C in accounting courses unless otherwise specified.
- Visit the [Fox School web site](http://sbm.temple.edu/advising/minors.html#accounting) at <http://sbm.temple.edu/advising/minors.html#accounting> to declare or rescind this minor.

Interested students should discuss with their home college advisors how the courses in the minor will fit into their overall degree plan and are strongly encouraged to submit the minor declaration form early in their academic career.

The Economics Minor

- Open to business or non-business students.
- Understand basic business foundations and learn how the impact of economics affects public and personal issues.
- Twelve courses required (seven of these, including three departmental, must be taken at Temple University):
 - Eight courses for foundation (completion of the Business Minor*): Economics 1101, Economics 1102, Human Resource Management 1101, Accounting 2101, Accounting 2102, Marketing 2101, Risk Management & Insurance 2101, Statistics 2101 or 2103;

- *Students may substitute completion of the General Business Studies Minor for the eight course foundation; course prerequisites must still be met.
- Four departmental courses: Economics 3501 or 3502, plus three* additional courses in economics at the 3000-level.
 - *If both Economics 3501 and 3502 are taken, one counts as one of these electives.
 - *Business students who complete a required 3000 level economics elective as part of their BBA requirements may count this as one of the 3 electives. (This applies to freshmen admitted prior to fall 2008 and transfer students admitted prior to spring 2010.)
- A grade point average of 2.0 in courses in the minor is required as well as a minimum grade of C- in each course unless otherwise specified.
- Visit the [Fox School web site](http://sbm.temple.edu/advising/minors.html#economics) at <http://sbm.temple.edu/advising/minors.html#economics> to declare or rescind this minor.

Interested students should discuss with their home college advisors how the courses in the minor will fit into their overall degree plan and are strongly encouraged to submit the minor declaration form early in their academic career.

The Entrepreneurship Minor

- Open to business or non-business students.
- Provides the basic business foundation to manage a successful entrepreneurial enterprise.
- Eleven courses required (six of these, including two departmental, must be taken at Temple University):
 - Eight courses for foundation (completion of the Business Minor*): Economics 1101, Economics 1102, Human Resource Management 1101, Accounting 2101, Accounting 2102, Marketing 2101, Risk Management & Insurance 2101, Statistics 2101 or 2103;
 - *Students may substitute completion of the General Business Studies Minor for the eight course foundation.
 - Three departmental courses: General & Strategic Management 3501, 3585, 4596.
- A grade point average of 2.0 across courses in both the foundation and the department is required as well as a minimum grade of C- in each course unless otherwise specified.
- Visit the [Fox School web site](http://sbm.temple.edu/advising/minors.html#entrepreneurship) at <http://sbm.temple.edu/advising/minors.html#entrepreneurship> to declare or rescind this minor.

Interested students should discuss with their home college advisors how the courses in the minor will fit into their overall degree plan and are strongly encouraged to submit the minor declaration form early in their academic career.

The Healthcare Management Minor

- Open to business or non-business students.
- Develop value-added skills for health-related professions through understanding the business principles underlying healthcare systems.
- Three courses required (all three courses must be taken at Temple University):
 - Healthcare Management 3501, 3502, 4596;

- Economics 3507 is recommended but not required as an additional course.
- A grade point average of 2.0 in courses in the minor is required as well as a minimum grade of C- in each course unless otherwise specified.
- Visit the [Fox School web site](http://sbm.temple.edu/advising/minors.html#healthcare_management) at http://sbm.temple.edu/advising/minors.html#healthcare_management to declare or rescind this minor.

Interested students should discuss with their home college advisors how the courses in the minor will fit into their overall degree plan and are strongly encouraged to submit the minor declaration form early in their academic career.

Information Technology Innovation & Entrepreneurship Minor

- Open only to business students.
- Integrate two of the most important elements of the Fox School: the enabling role of IT and the drive of entrepreneurial thinking.
- Three courses required (all three must be taken at Temple University):
 - General Strategic Management 3501;
 - Management Information Systems 3536;
 - One elective from: MIS 3596, MIS 2502, GSM 3503, GSM 3585, or Marketing 3580 (*Entrepreneurial Marketing*). BTMM 4614 (*Creating a Media Business*) can be substituted for Marketing 3580.
 - Fox school majors cannot double count courses they have already completed for their major.
 - Entrepreneurship majors can take the ITIE minor but they cannot double count courses already taken for their major. A different course will need to be substituted for the required GSM 3501 for the minor. Students are encouraged to find a relevant course appropriate to their interest. This substitution will need to be approved in advance by the department and Senior Assistant Dean for Undergraduate Programs
 - MIS majors can take the ITIE minor but they cannot double count courses already taken for their major. They are encouraged to take the non-MIS courses for the electives.
 - A grade point average of 2.0 in courses in the minor is required as well as a minimum grade of C in each course unless otherwise specified.
 - Visit the MIS departmental [web site](http://mis.temple.edu/programs/undergraduate/itie.htm) at <http://mis.temple.edu/programs/undergraduate/itie.htm> for more information and to declare or rescind this minor.

The Management Information Systems (MIS) Minor

- Open to business or non-business students.
- Learn to identify, select and evaluate technology solutions for business problems, become a knowledgeable user of IT and become the person in the organization who can successfully interact with technology professionals.
- Eleven courses required (six of these, including two departmental, must be taken at Temple University):

- Eight courses for foundation (completion of the Business Minor*): Economics 1101, Economics 1102, Human Resource Management 1101, Accounting 2101, Accounting 2102, Marketing 2101, Risk Management & Insurance 2101, Statistics 2101 or 2103;
 - *Students may substitute completion of the General Business Studies Minor for the eight course foundation.
- Three departmental courses: MIS 2101 and 2502; Select one from: 2501, 3533, 3534, 3536, 3580, or 3596.
 - Note for freshmen admitted fall 2008 and after: MIS 2101 will be replaced by MIS 3596.
- A grade point average of 2.0 in courses in the minor is required as well as a minimum grade of C- in each course unless otherwise specified.
- Visit the MIS departmental [web site](http://www.mis.temple.edu/minor/) at www.mis.temple.edu/minor/ for more information and to declare or rescind this minor.

Interested students should discuss with their home college advisors how the courses in the minor will fit into their overall degree plan and are strongly encouraged to submit the minor declaration form early in their academic career.

Certificates

Asian Business & Society Certificate

- Open to business or non-business students.
- Develop international business, area studies, cultural understanding and language skills through interdisciplinary study.
- Seven courses required.
 - Please visit [Temple CIBER](http://sbm.temple.edu/ciber/programs_asian.htm) at http://sbm.temple.edu/ciber/programs_asian.htm for complete program description.

Business Basics Certificate

- Open only to non-matriculated students.
- Explore foundation courses that will apply toward B.B.A. if matriculate into this degree program.
- Five courses required (three of these must be taken at Temple University):
 - Law 0856, English 0802, Human Resource Management 1101, Accounting 2101, Statistics 1001.
 - Prior to enrolling in English and statistics, students must take a placement test and complete additional English or math review courses if need is indicated by placement test results.
- A minimum grade of C in each course is required.
- The certificate will be awarded upon satisfactory completion of all required courses.

Business Plus Certificate

- Open only to non-matriculated students.
- Explore foundation courses that will apply toward B.B.A. if matriculate into this degree program.
- Five courses required (three of these must be taken at Temple University):

- Economics 1101, Economics 1102, Marketing 2101, Accounting 2102, Risk Management & Insurance 2101.
- A minimum grade of C in each course is required.
- The certificate will be awarded upon satisfactory completion of all required courses.

Certificate in Entrepreneurship

- Designed to provide coursework to support alternative, entrepreneurial career paths for students across the university; to promote the entrepreneurial spirit by fostering opportunity recognition and resource acquisition that leads to innovation and invention; and to increase awareness of, and participation in, entrepreneurial opportunities available to all Temple students. This certificate will be jointly issued by the Fox School of Business and Management and its partner schools, and will appear on the student's transcript.
- Students must complete the following three-course sequence within five semesters of completing the first course:
 - The appropriate "Entrepreneurial Thinking" or "Entrepreneurship" course for their specific subject, General & Strategic Management 3001, 3002.
- For more information on the Certificate in Entrepreneurship, go to the Fox School of Business and Management [advising](http://sbm.temple.edu/advising/minors.html) web site at <http://sbm.temple.edu/advising/minors.html>.

Latin American Studies & Spanish for Business

- Open to business or non-business students.
- Develop international business, area studies, cultural understanding and language skills through interdisciplinary study.
- Six courses required (all must be taken at Temple University).
- Please visit [Temple CIBER](http://sbm.temple.edu/ciber/programs_latam.htm) at http://sbm.temple.edu/ciber/programs_latam.htm for complete program description.

Management Information Systems (MIS) Certificate

- Open to non-business students.
- Learn to identify, select and evaluate technology solutions for business problems, become a knowledgeable user of IT and become the person in the organization who can successfully interact with technology professionals.
- Three courses required (all must be taken at Temple University):
 - MIS 2101 (course requirement pending review) and 2502; Select one from: 2501, 3533, 3534, 3596.
- A grade point average of 2.0 in courses is required, including a minimum grade of C in each course.
- Visit the MIS departmental [web site](http://www.mis.temple.edu/minor/) at www.mis.temple.edu/minor/ for more information and to declare or rescind this certificate.

Interested students should discuss with their home college advisors how the courses in the certificate will fit into their overall degree plan and are strongly encouraged to submit the certificate declaration form early in their academic career.

People First Certificate

- Open only to business students.
- Enhance management skills with people-oriented perspective.
- Three courses required (at least 2 must be taken at Temple University):
 - Human Resource Management 3501, 3502, 3503.
- A grade point average of 2.0 is required.
- Declare your intention to complete this certificate when you apply for graduation.

Accounting

Eric G. Press, Chair

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215-204-8127

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<http://fox.temple.edu/dept/accounting/>

The program provides students with a broad general education and intensive study within the major as preparation for professional careers in public accounting, industry, consulting, government, and not-for-profit institutions.

The curriculum in accounting is designed to acquaint students with the conceptual framework and theory of accounting, transactional analysis, asset management, liabilities, owners' equity, and financial reporting. Cost analysis and control, accounting information systems, taxation, consolidated financial statements, and foreign operations also are covered, along with auditing techniques and an understanding of the ethical and performance standards of the profession.

Accounting majors have the opportunity to join the Accounting Leadership Program (ALP). Students accepted to the ALP will demonstrate high levels of academic preparation and leadership-skill development for careers as Certified Public Accountants with major international and regional professional accounting firms, or careers in industry with large corporations, or federal and state governments. ALP students will be mentored by faculty and outside professionals, and will participate in other enrichment activities that prepare them to meet the hiring expectations and challenges of the top public accounting firms and leading industry employers. Students in the Accounting Leadership Program will enhance their professional development by building a sense of community among participants, and will improve career opportunities through increased knowledge of financial accounting, auditing and income taxation. Graduates of the Program will receive an Accounting Leadership Program certificate along with a Bachelor of Business Administration (B.B.A.). For further information go to www.sbm.temple.edu/alp/.

Accounting majors are encouraged to join a professional student organization: [Beta Alpha Psi](#) (BAP--National Honorary Fraternity), the [Accounting Professional Society](#) (APS), the [National Association of Black Accountants](#) (NABA), or [Ascend](#).

Summary of Requirements

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

College Requirements

Students must meet [College Graduation Requirements](#) including the requirements of the major listed below. Accounting students must attain a 2.0 GPA in the major and a 2.0 cumulative GPA in order to graduate. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.

Major Requirements [for Freshmen](#)

Major Requirements [for Transfers](#)

Requirements of Accounting Major for Freshmen Only

Department	Course #	Course Name	Hours	RCI
Accounting	3511	Intermediate Accounting I	3	
Accounting	3512	Intermediate Accounting II	3	
Accounting	3526	Accounting Information Systems	3	
Accounting	3531	Federal Taxes on Income	3	
Accounting	3533	Advanced Accounting	3	
Accounting	3596	Auditing	3	WI
Accounting	4596 ^	Senior Seminar in Accounting	3	WI
Subtotal			21	

NOTE: All accounting majors must complete Accounting 2521 (*Cost Accounting*) in the foundation prior to taking the major courses listed above.

NOTE: All accounting majors are waived from the college requirement of International Business Administration 3101 unless they add a second major or a minor.

^ This major capstone is taken in the final semester and all prerequisites must be met.

Requirements of Accounting Major for Transfer Students only

Department	Course #	Course Name	Hours	RCI
Accounting	2521	Cost Accounting	3	
Accounting	3511	Intermediate Accounting I	3	
Accounting	3512	Intermediate Accounting II	3	
Accounting	3526^	Accounting Information Systems	3	

Accounting	3531	Federal Taxes on Income	3	
Accounting	3533	Advanced Accounting	3	
Accounting	3596	Auditing	3	WI
Accounting	4596 *	Senior Seminar in Accounting	3	WI*
Law S.B.M.	3507	Business Law for Accountants	3	
<i>Select one Economics course from either:</i>			3	
Economics^^	3563	International Trade		
		or		
Economics^^	3564	International Monetary Economics		
Subtotal			30	
* indicates Writing Capstone				
^ Accounting 3526 meets the Technology requirement for the Accounting major.				
^^Economics 3563 or 3564 will meet the 3500+ level Economics requirement as well as the International Business requirement for Accounting students.				

Actuarial Science

Department of Risk, Insurance & Healthcare Management

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Actuaries are highly-educated business executives who specialize in the evaluation of insurance and financial risks. They hold positions of responsibility with insurance companies, consulting firms, investment banks, self-insurers, government regulators, and government insurance programs. Because of their valuable talents and expertise, actuaries are generally well compensated and often rise to the highest levels of management. While undergraduates, students prepare for and take some of the professional examinations given by the Society of Actuaries and the Casualty Actuarial Society. The material in the first four actuarial exams include calculus-based probability with applications in risk management, theory of interest, actuarial mathematics, finance, and loss distributions.

Students should meet with the program director as soon as they enter the actuarial science program. In addition to their coursework and professional examinations, students are strongly

encouraged to become active in the Sigma chapter of Gamma Iota Sigma, Temple's national award-winning professional student organization in Risk Management, Insurance, and Actuarial Science. The organization hosts numerous guest speakers from the industry, sponsors a variety of career development seminars, and maintains a widely-distributed résumé book. For more information, please contact the GIS President, at 215-204-9368, or visit the web site at www.sigmachapter.org.

Summary of Requirements

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

College Requirements

Students are strongly encouraged to take the professional actuarial exams immediately after completing the relevant coursework. Students can sit for the Society of Actuaries Exam P/Casualty Actuarial Exam 1 immediately after taking Actuarial Science 2101 or Actuarial Science 2501. Students must meet the [College Graduation Requirements](#) including the requirements of the major listed below. Students must attain a 2.0 cumulative GPA and 2.0 in the major to graduate with the actuarial science major. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.

Major Requirements [for new Freshmen](#) starting in academic year 2008-2009

Major Requirements [for new Transfer students](#) starting in academic year 2008-2009

Requirements of Actuarial Science Major for Freshmen Only

Department	Course #	Course Name	Hours	RCI
Actuarial	1501	Introduction to Actuarial Science	3	
Actuarial	2502	Theory of Interest	3	
Actuarial	3501	Actuarial Modeling I	3	
Actuarial	3502	Actuarial Modeling II	3	
Actuarial	3596*	Casualty Contingencies	3	WI
Subtotal			15	

*This is the major capstone and all prerequisites must be met.

Non-Business Required courses

Department	Course #	Course Name	Hours
Math	1041*	Calculus I*	4
Math	1042*	Calculus II*	4

Math	2043	Calculus III	4
Actuarial Science	2101**	Actuarial Probability & Statistics**	3
Statistics	2512**	Intermediate Statistics**	3
Subtotal			18
*Math 1041 & 1042 replace the Statistics 1001 & 1102 requirements listed in the Fox School of Business & Management foundation course requirements. Math 1041 also satisfies the QL requirement for GenEd.			
**These courses replace Statistics 2103 in the Fox School of Business & Management foundation course requirements.			

Requirements of Actuarial Science Major for Transfer Students Only

Required courses				
Department	Course #	Course Name	Hours	RCI
Actuarial Science	1501	Introduction to Actuarial Science	3	
Actuarial Science	2501	Basic Actuarial Mathematics	3	
Actuarial Science	2502	Theory of Interest	3	
Actuarial Science	3501	Actuarial Modeling I	3	
Actuarial Science	3502	Actuarial Modeling II	3	
Actuarial Science	3596	Casualty Contingencies	3	WI
Statistics	3503*	Intermediate Business Statistics	3	
International course – select one:			3	
Economics	3563	International Trade		
Economics	3564	International Monetary Economics		
Finance	3551	International Financial Markets		
Finance	3552	International Financial Management		
GSM	3566	Global Strategic Management		
HR MGMT	3565	International Human Resource Management		
Law S.B.M.	3562	International Law		
Marketing	3553	International Marketing		
Economics	3500+**	Any upper-level Economics, excluding 3581	0-3	
Business Elective		Select one elective from business dept. 2500+	0-3	
Subtotal			27	
*Satisfies the technology requirement for the major.				
**If either Economics 3563 or 3564 is taken to fulfill the Economics upper-level elective, this class will also fulfill the International requirement. You will need to take an additional business elective.				

Non-Business Required courses

Department	Course #	Course Name	Hours	RCI
Math	1041	Calculus I*	4	QB
Math	1042	Calculus II*	4	

Math	2043	Calculus III	4	
Actuarial Science	2101	Actuarial Probability & Statistics**	3	
Statistics	2512	Intermediate Statistics**	3	
Math	4033	Introduction to Probability Models	3	
Total			21	
*Math 1041 & 1042 replace the Statistics 1001 & 1102 requirements listed for Fox School of Business & Management course requirements.				
**Actuarial Science 2101 and Statistics 2512 replace the Statistics 2101 & 2102 requirements listed for Fox School of Business & Management course requirements.				

Business Management

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Philadelphia, PA 19122
215-204-7676

<http://sbm.temple.edu/programs/busmng.htm>

The business management curriculum is designed for students who wish to follow a broad and general curriculum. The program requires students to select a specific concentration with a minimum of three courses selected from a menu provided by the department. Concentrations are available in: Economics, Employment Benefits, Healthcare Management, Legal Studies, Marketing, and Property Liability. Contact the department in which you would like to concentrate.

Freshmen are encouraged to join a student professional organization that meets their interests; transfer students are encouraged to join the student professional organization represented by their concentration. Please contact the College Council President at 215-204-6660 at the Main Campus or 267-468-8366 at the Ambler Campus for a list of these organizations or visit the College Council web site at <http://sbm.temple.edu/ccouncil/org.html>.

Summary of Requirements

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

College Requirements

Students must meet [College Graduation Requirements](#), including the requirements of the major listed below. Business Management students must attain a 2.0 GPA in the major and a 2.0 cumulative GPA in order to graduate. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major. Transfer students in this major cannot complete a second major in the Fox School of Business and Management.

Major Requirements [for Freshmen](#)

Major Requirements for Transfers

Transfer students combine Business Management with a specific concentration: [BM/Economics](#), [BM/Employee Benefits](#), [BM/Healthcare Management](#), [BM/Legal Studies](#), [BM/Marketing](#), or [BM/Property Liability](#).

Requirements of Business Management - For Freshmen Only

Department	Course #	Course Name	Hours	RCI
Human Resource Mgmt	3501	Power, Influence, & Negotiation	3	
Human Resource Mgmt	3503	Communicating in Organizations	3	
Human Resource Mgmt	4597^	Critical Skills for Successful Managers	3	WI
Select three courses:			9	
Economics	3507	Health Economics		
Economics	3511	Economics & Management of Privatization		
Economics	3513	Economics of State & Local Governments		
Economics	3535	Public Control of Business: Anti-trust Economics		
Economics	3541	The Economics of Sports		
Gen & Strategic Mgmt	2501	Fundamentals of Asian Business		
Gen & Strategic Mgmt	2502	Fundamentals of Latin American Business		
Gen & Strategic Mgmt	3501	Entrepreneurship		
Gen & Strategic Mgmt	3502	Software Applications to Business Problems		
Healthcare Management	3501	Health Services Management		
Healthcare Management	3502	Healthcare Financing & Information Technology		
Human Resource Mgmt	2501	Introduction to Human Resource Management		
Law S.B.M.	1102	Law of Contracts		
Law S.B.M.	3502	Law for the Entrepreneur		
Law S.B.M.	3503	The Consumer & the Law		
Law S.B.M.	3504	Sports & the Law		
Marketing	3501	Integrated Marketing Communications		
Marketing	3503	Promotion Management		
Marketing	3504	Sales & Sales Management		
Real Estate	3501	Real Estate Fundamentals		
Real Estate	3502	Real Estate Practice		
Subtotal			18	
^ This major capstone is taken in the final semester and all prerequisites must be met.				

Requirements of Business Management/Economics Major - For Transfer Students Only

Required courses				
Department	Course #	Course Name	Hours	RCI
Human Resource courses – select two:			6	
Human Resource Mgmt	3501	Power, Influence, & Negotiation		
Human Resource Mgmt	3502	Managing People at Work		
Human Resource Mgmt	3503	Communicating in Organizations		
Intermediate Economic Theory – select one:			3	
Economics	3501	Intermediate Microeconomic Analysis		
Economics	3502	Intermediate Macroeconomic Analysis		
Economics elective – select one 3501+ level:			3	
Economics		Economics elective, excluding 3581		
Writing Capstone – select one economics writing intensive course:			3	
Economics	3596	Energy, Ecology, & Economy		WI
Economics	3597	Health Economics		WI
Economics	3598	Economics Writing Seminar		WI
Required course:				
MIS	2101*	Information Systems in Organizations	3	
International course – select one:			3	
Economics	3563**	International Trade		
Economics	3564**	International Monetary Economics		
Finance	3551	International Financial Markets		
Finance	3552	International Financial Management		
Gen & Strategic Mgmt	3566	Global Strategic Management		
Human Resource Mgmt	3565	International Human Resource Management		
Law S.B.M.	3562	International Law		
Marketing	3553	International Marketing		
Business Electives		Select one to two electives from business departments 2500+	3-6	
Economics**	3501+	Any upper-level Economics courses, excluding Economics 3581, to meet the Fox School Economics requirement.	0-3	
Subtotal			27	
*Satisfies technology requirement for the major.				
**If Economics 3563 or 3564 is chosen to satisfy the International requirement, you will also have satisfied the 3501+ level Economics requirement. You will need to take an additional business elective to complete the nine courses required for the major.				

Requirements of Business Management/Employment Benefits Major - For Transfer Students Only

Required courses				
Department	Course #	Course Name	Hours	RCI
Human Resource courses – select two:			6	
Human Resource Mgmt	3501	Power, Influence, & Negotiation		

Human Resource Mgmt	3502	Managing People at Work		
Human Resource Mgmt	3503	Communicating in Organizations		
Required courses:				
RSK MGT	3501	Life & Health Insurance & Employee Benefits	3	
RSK MGT	3503	Retirement Plans	3	
RSK MGT	4596	Advanced Topics in Health & Welfare Employee Benefits	3	WI
MIS	2101*	Information Systems in Organizations	3	
International course – select one:			3	
Economics	3563**	International Trade		
Economics	3564**	International Monetary Economics		
Finance	3551	International Financial Markets		
Finance	3552	International Financial Management		
Gen & Strategic Mgmt	3566	Global Strategic Management		
Human Resource Mgmt	3565	International Human Resource Management		
Law S.B.M.	3562	International Law		
Marketing	3553	International Marketing		
Business Electives		Select one to two electives from business departments 2500+	3-6	
Economics**	3501+	Any upper-level Economics courses, excluding Economics 3581.	0-3	
Subtotal			27	
*Satisfies technology requirement for the major.				
**If Economics 3563 or 3564 is chosen to satisfy the International requirement, you will also have satisfied the 3501+ level Economics requirement. You will need to take an additional business elective to complete the nine courses required for the major.				

Requirements of Business Management/Healthcare Management - For Transfer Students Only

Required courses				
Department	Course #	Course Name	Hours	RCI
Human Resource courses – select two:			6	
Human Resource Mgmt	3501	Power, Influence, & Negotiation		
Human Resource Mgmt	3502	Managing People at Work		
Human Resource Mgmt	3503	Communicating in Organizations		
Required courses:				
Healthcare Management	3501	Introduction to Healthcare Management	3	IN
Healthcare Management	3502	Healthcare Financing & Information Technology	3	
Healthcare Management	4596	Integrated Delivery Systems & Managed Care	3	WI
MIS	2101*	Information Systems in Organizations	3	
International course – select one:			3	
Economics	3563**	International Trade		
Economics	3564**	International Monetary Economics		

Finance	3551	International Financial Markets		
Finance	3552	International Financial Management		
Gen & Strategic Mgmt	3566	Global Strategic Management		
Human Resource Mgmt	3565	International Human Resource Management		
Law S.B.M.	3562	International Law		
Marketing	3553	International Marketing		
Business Electives		Select one to two electives from business departments 2500+	3-6	
Economics	3501+	Any upper-level Economics courses, excluding Economics 3581.	0-3	
Subtotal			27	
*Satisfies technology requirement for the major.				
**If Economics 3563 or 3564 is chosen to satisfy the International requirement, you will also have satisfied the 3501+ level Economics requirement. You will need to take an additional business elective to complete the nine courses required for the major.				

Requirements of Business Management/Legal Studies Major - For Transfer Students Only

Required courses				
Department	Course #	Course Name	Hours	RCI
Human Resource courses – select two:			6	
Human Resource Mgmt	3501	Power, Influence, & Negotiation		
Human Resource Mgmt	3502	Managing People at Work		
Human Resource Mgmt	3503	Communicating in Organizations		
Law and Business Courses - select two:			6	
Law S.B.M.	1102	Law of Contracts		
Law S.B.M.	3502	Law for the Entrepreneur		
Law S.B.M.	3503	The Consumer & the Law		
Law S.B.M.	3504	Sports & the Law		
Law S.B.M.	3505	Constitutional Law		
Law S.B.M.	3506	Law, Technology & E-Commerce		
Law S.B.M.	3507	Business Law for Accountants		
Law S.B.M.	3508	The Litigation Process		
Law S.B.M.	3562***	International Law		
Required courses:				
Law S.B.M.	4596	Legal Research, Writing & Advocacy	3	WI
MIS	2101*	Information Systems in Organizations	3	
International course – select one:			0-3	
Economics	3563**	International Trade		
Economics	3564**	International Monetary Economics		
Finance	3551	International Financial Markets		
Finance	3552	International Financial Management		
Gen & Strategic Mgmt	3566	Global Strategic Management		

Human Resource Mgmt	3565	International Human Resource Management		
Law S.B.M.	3562	International Law		
Marketing	3553	International Marketing		
Business Electives		Select one to two electives from business departments 2500+	3-6	
Economics**	3501+	Any upper-level Economics courses, excluding Economics 3581.	0-3	
Subtotal			27	
*Satisfies technology requirement for the major				
**If Economics 3563 or 3564 is chosen to satisfy the International requirement, you will also have satisfied the 3501+ level Economics requirement. You will need to take two business electives to complete the nine courses required for the major.				
***If Law and Business 3562 is taken, it will satisfy one law elective and the International requirement; you will need to take two business electives to meet the nine courses required for the major.				

Requirements of Business Management/Marketing Major - For Transfer Students Only

Required courses				
Department	Course #	Course Name	Hours	RCI
Human Resource courses – select two:			6	
Human Resource Mgmt	3501	Power, Influence, & Negotiation		
Human Resource Mgmt	3502	Managing People at Work		
Human Resource Mgmt	3503	Communicating in Organizations		
Required courses:				
Marketing	3596	Consumer & Buyer Behavior	3	WI
Marketing		Select two electives in Marketing 3501-3553	6	
MIS	2101*	Information Systems in Organizations	3	
International course – select one:			0-3	
Economics	3563**	International Trade		
Economics	3564**	International Monetary Economics		
Finance	3551	International Financial Markets		
Finance	3552	International Financial Management		
Gen & Strategic Mgmt	3566	Global Strategic Management		
Human Resource Mgmt	3565	International Human Resource Management		
Law S.B.M.	3562	International Law		
Marketing	3553***	International Marketing		
Business Electives		Select one to two electives from business departments 2500+	3-6	
Economics**	3501+	Any upper-level Economics courses, excluding Economics 3581.	0-3	
Subtotal			27	
*Satisfies technology requirement for the major.				

**If Economics 3563 or 3564 is chosen to satisfy the International requirement, you will also have satisfied the 3501+ level Economics requirement. You will need to take two business electives to complete the nine courses required for the major.

***If Marketing 3553 is chosen to satisfy a Marketing elective course, it will also satisfy the International requirement, and you will need to take two business electives to complete the major.

Requirements of Business Management/Property Liability Major - For Transfer Students Only

Required courses				
Department	Course #	Course Name	Hours	RCI
Human Resource courses – select two:			6	
Human Resource Mgmt	3501	Power, Influence, & Negotiation		
Human Resource Mgmt	3502	Managing People at Work		
Human Resource Mgmt	3503	Communicating in Organizations		
Required courses:				
RSK MGT	3502	Property & Liability Insurance Coverage	3	
RSK MGT	3504	Property & Liability Insurance Functions	3	
RSK MGT	4597	Global Corporate Risk Management	3	WI
MIS	2101*	Information Systems in Organizations	3	
International course – select one:			3	
Economics	3563**	International Trade		
Economics	3564**	International Monetary Economics		
Finance	3551	International Financial Markets		
Finance	3552	International Financial Management		
Gen & Strategic Mgmt	3566	Global Strategic Management		
Human Resource Mgmt	3565	International Human Resource Management		
Law S.B.M.	3562	International Law		
Marketing	3553	International Marketing		
Business Electives		Select one to two electives from business departments 2500+	3-6	
Economics**	3501+	Any upper-level Economics courses, excluding Economics 3581.	0-3	
Subtotal			27	
*Satisfies technology requirement for the major.				
**If Economics 3563 or 3564 is chosen to satisfy the International requirement, you will also have satisfied the 3501+ level Economics requirement. You will need to take an additional business elective to complete the nine courses required for the major.				

Economics

Dr. William Stull, Chair
Dr. William Holmes, Advisor
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william.holmes@temple.edu
www.sbm.temple.edu/dept/economics

Economics is the study of how we allocate resources among alternative uses to satisfy our wants. Virtually all of the public and personal issues which confront us today have an important economic component. For this reason, the economic way of thinking plays a valuable role in helping us make sense of the complex world in which we live. In addition, the study of economics is excellent preparation for a wide range of careers. Economics majors with bachelor's degrees are well prepared to be managers in both the public and private sectors. Training in economics also provides a solid basis for professional study in law, business, public administration, and the health sciences.

The Temple Economics Society is the student professional organization for economics majors and is open to all students interested in economics. Economics majors may also become members of Omicron Delta Epsilon (ODE), the National Honor Society, if they meet the admissions requirements of the organization. For more information, please contact Dr. William Holmes at william.holmes@temple.edu or phone 215-204-8175

Summary of Requirements

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

College Requirements

In addition to completing the economics courses required of all students in the Fox School of Business and Management (for freshmen: 1101 and 1102; for transfer students: 1101, 1102, and one upper-division course other than 3581), majors in economics must fulfill the additional requirements listed below as well as meet [College Graduation Requirements](#). Students must attain at least a 2.0 GPA in their major and 2.0 GPA overall in order to graduate. Use the major GPA calculator at www.sbm.temple.edu/advising to calculate the GPA in the major.

[Major Requirements for Freshmen](#)

[Major Requirements for Transfers](#)

Requirements of Economics Major - For Freshmen Only

Department	Course #	Course Name	Hours	RCI
Economics	3501	Intermediate Microeconomic Analysis	3	
Economics	3502	Intermediate Macroeconomic Analysis	3	
Economics	3598^	Economics Writing Seminar	3	WI
<i>Select one:</i>			3	
Economics	3563	International Trade		
Economics	3564	International Monetary Economics		
<i>Select three Economics electives at the 3500+ level or higher:</i>			9	
Economics	3500+	Excluding Economics 3581 (Co-op Experience in Economics)		
Subtotal			21	
^ This major capstone is taken in the final semester and all prerequisites must be met.				
NOTE: All economics majors are waived from the college requirement of International Business Administration 3101.				

Requirements of Economics Major - For Transfer Students Only

Required courses				
Department	Course #	Course Name	Hours	RCI
Economics	3501	Intermediate Microeconomic Analysis	3	
Economics	3502	Intermediate Macroeconomic Analysis	3	
<i>Select one:</i>			3	
Economics	3596	Energy, Ecology, & Economy		WI
Economics	3597	Health Economics		WI
Economics	3598	Economics Writing Seminar		WI
<i>Select two electives at the 3500+ level or above:</i>			6	
Economics	3500+	Excluding Economics 3581 (Co-op Experience in Economics)		
<i>Select one:</i>			0-3	
Accounting	3526	Accounting Information Systems		
Economics*	3544	Computer-Based Modeling		
<i>Select one International course:</i>			0-3	
Economics	3563**	International Trade		
Economics	3564**	International Monetary Economics		
Finance	3551	International Financial Markets		
Finance	3552	International Financial Management		
GSM	3566	Global Strategic Management		
HR MGMT	3565	International Human Resource Mgmt		
Law S.B.M.	3562	International Law		
Marketing	3553	International Marketing		

Economics***	3500+	Any 3500+ level Economics courses, excluding Economics 3581.	3	
Business Electives****	2500+	Select one to three from business departments 2500+	3-9	
Subtotal			27	

*Accounting 3526 or Economics 3544 will fill the technology requirement for the Economics major. Economics 3544 will also fill one of the two electives in Economics.

**If Economics 3563 or 3564 is chosen to satisfy the International requirement, you will also have satisfied one of the 3500+ Economics elective requirements, and you will need to take an additional business elective.

***This course meets the Economics 3500+ requirement that is part of the Fox School of Business core.

****The number of business electives required depends on what courses are chosen to satisfy the technology and international areas.

Entrepreneurship

Ram Mudambi, Chair

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The entrepreneurship major offered by Temple University's Fox School of Business and Management integrates entrepreneurship theory and practice in an interdisciplinary approach to develop an understanding of the creation and management of an entrepreneurial business. The entrepreneurship major prepares students to start a business, be a productive member of an entrepreneurial business, assume responsibilities in a family business or become an effective manager in a growing business. Entrepreneurship majors create an idea for a new business, assess its feasibility, and develop a business plan. Students also experience at least one internship. Entrepreneurship majors are expected to be active members in the Entrepreneurial Student Association (ESA). Go to www.temple.edu/esa for information on the ESA.

Summary of Requirements

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

College Requirements

Students must meet [College Graduation Requirements](#), including the requirements of the major listed below. Students must attain an overall GPA of 2.0 or higher in the major and must maintain a 2.0 GPA overall in order to graduate as an entrepreneurship major. Students pursuing the entrepreneurship major are expected to participate in the Entrepreneurial Student Association. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.

Major Requirements [for Freshmen](#)

Major Requirements [for Transfers](#)

Requirements of Entrepreneurship Major for Freshmen Only

Department	Course #	Course Name	Hours	RCI
Accounting	2521	Cost Accounting	3	
General & Strategic Management	3501	Entrepreneurship	3	
General & Strategic Management	3503	Managing New & Small Enterprises	3	
General & Strategic Management	3685	Internship in Entrepreneurship II	3	
General & Strategic Management	4596^	Senior Entrepreneurship Seminar	3	WI
Choose one:			3	
Marketing	3511	Marketing Research		
Marketing	3580	Special Topics: Marketing for Entrepreneurs		
Subtotal			18	

^ This major capstone is taken in the final semester and all prerequisites must be met.

Requirements of Entrepreneurship Major for Transfer Students Only

Required courses				
Department	Course #	Course Name	Hours	RCI
Accounting	2521	Cost Accounting	3	
Finance	3503	Corporate Finance	3	
General & Strategic Management	3501	Entrepreneurship	3	
General & Strategic Management	3502*	Software Applications to Business Problems	3	
General & Strategic Management	3566**	Global Strategic Management	3	
General & Strategic Management	3685	Internship in Entrepreneurship II	3	
General & Strategic Management	4596	Senior Entrepreneurship Seminar	3	WI
Economics	3500+	Any upper level Economics courses, excluding Economics 3581 and 3685.	3	
Choose one:			3	
General & Strategic Management	3585	Internship in Entrepreneurship I		
General & Strategic Management	3503	Managing New & Small Enterprises		
Choose one:			3	
Marketing	3511	Marketing Research		
Marketing	3580	Special Topics: Marketing for Entrepreneurs		
Subtotal			30	

* Technology Course for Entrepreneurship majors.		
** Fills International Requirement for the major.		

Requirements for the Certificate in Entrepreneurship

The nine-credit, three course undergraduate Certificate in Entrepreneurship is designed to provide coursework to support alternative, entrepreneurial career paths for students across the university; to promote the entrepreneurial spirit by fostering opportunity recognition and resource acquisition that leads to innovation and invention; and to increase awareness of, and participation in, entrepreneurial opportunities available to all Temple students. This certificate will be jointly issued by the Fox School of Business and Management and its partner schools, and will appear on the student's transcript.

Students must complete the following three-course sequence within five semesters of completing the first course:

- the appropriate "Entrepreneurial Thinking" or "Entrepreneurship" course for their specific subject;
- General & Strategic Management 3001: *Fundamentals of Managing a Small Business*;
- General & Strategic Management 3002: *Business Plan Development*.

For more information on the Certificate in Entrepreneurship, go to the Fox School of Business and Management [advising](http://sbm.temple.edu/advising/minors.html) web site at <http://sbm.temple.edu/advising/minors.html>.

Finance

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Finance plays a central role in the operation of the economy and is at the heart of the resource allocation system. Individuals often come in contact with financial instruments (money, stocks, bonds, etc.) and financial institutions and need to understand the role of the financial system in managing their lifetime financial portfolio.

Finance majors typically have one of four career objectives: (1) a position in the finance department of a business firm; (2) a position in a financial institution, such as a bank, investment bank, or mutual fund; (3) a career in the area of financial investments; and (4) a position with a government or non-profit organization.

Finance majors are encouraged to become involved in the Financial Management Association/National Honor Society (FMA/NHS). This student professional organization offers students the opportunity to meet business leaders in the financial industry, hosts career development seminars, and maintains a résumé book. The Financial Management Association is open to all business majors. To join the National Honor Society division of this organization, students must meet admission requirements. For more information, please contact the FMA executive officers at 215-204-6673.

Summary of Requirements

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

College Requirements

Students must meet [College Graduation Requirements](#), including the requirements of the major listed below. Students must attain an overall GPA of 2.0 and a 2.0 GPA in the major to graduate as a Finance major. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.

Major Requirements [for Freshmen](#)

Major Requirements [for Transfers](#)

Requirements of Finance Major - For Freshmen Only

Department	Course #	Course Name	Hours	RCI
Finance	3502	Financial Markets	3	
Finance	3503	Corporate Finance	3	
Finance	4596^	Senior Seminar in Financial Management	3	WI
Select one:			3	
Finance	3551^^	International Financial Markets		
Finance	3552^^	International Financial Management		
Select three:			9	
Finance	3504	Advanced Corporate Finance		
Finance	3505	Management of Financial Institutions		

Finance	3506	Derivatives & Financial Risk Management		
Finance	3507	Investments		
Finance	3508	Money & Fixed Income Markets		
Finance	3509	Real Estate Investment & Finance		
Subtotal			21	
^ This major capstone is taken in the final semester and all prerequisites must be met.				
^^ This course will waive International Business Administration 3101 in the Fox upper-division foundation.				

Requirements of Finance Major - For Transfer Students Only

Required courses				
Department	Course #	Course Name	Hours	RCI
Accounting	3511	Intermediate Accounting I	3	
Finance	3503	Corporate Finance	3	
Finance	3507	Investments	3	
Finance Electives – Choose two:			6	
Finance	3504	Advanced Corporate Finance		
Finance	3505	Management of Financial Institutions		
Finance	3506	Derivatives and Financial Risk Management		
Finance	3508	Money and Fixed Income Markets		
Finance	3509	Real Estate Investment and Finance		
Finance	3551	International Financial Markets*		
Finance	3552	International Financial Management*		
International Requirement – Choose one:			0-3	
Finance	3551	International Financial Markets*		
Finance	3552	International Financial Management*		
Economics	3564**	International Monetary Economics		
Economics	3500+	Any upper-level Economics courses, excluding Economics 3581**	3	
Business Elective		Select one to two business electives from business departments 2500+	3-6	
Finance	4596***	Seminar in Financial Management	3	WI
Subtotal			27	
*If either Finance 3551 or 3552 are chosen to fulfill a Finance elective, it will also satisfy the International requirement. You will need to take an additional business elective.				
**If Economics 3564 is chosen to fulfill the International requirement, you must select a different 3500+ level Economics course.				
***This course satisfies the writing and the technology requirements for this major.				

Human Resource Management

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The Human Resource Management (HR MGMT) major prepares you for careers in human resource (HR) management and general management. Increasingly, organizations are hiring well-trained professionals to manage the most important asset of the business, its human resources. The Human Resource Management department offers students the training needed to prepare for this important area of business.

Typical first jobs for Human Resource Management majors include corporate recruiter, employee relations specialist, compensation analyst, corporate trainer, HR generalist, and management trainee. Typical jobs held five-ten years out include HR director, staffing manager, compensation manager, training manager, and employee relations director.

Human Resource Management majors are encouraged to become involved in the Society for Human Resource Management (SHRM). Guest speakers, networking events, internships and co-ops, career development activities, and the résumé book are just a few benefits of joining. This organization is open to all FSBM majors. There are two student SHRM chapters, one at Main Campus and the other at Ambler. The Main Campus chapter office is located on the ground floor of Speakman Hall. For more information, contact Dr. Kathleen Davis at 215-204-8435, davisk@temple.edu or Dr. Blau at 215-204-6906, gblau@temple.edu, or the SHRM office at 215-204-1626. At Ambler, contact Megan Rimer at 215-204-2371, mrimer@temple.edu, or the SHRM officers at 267-468-8365.

Summary of Requirements

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

College Requirements

Students must meet [College Graduation Requirements](#), including the requirements of the major listed below. Human resource management students must attain a 2.0 GPA in the major and a 2.0 cumulative GPA in order to graduate. Use the major GPA calculator at www.sbm.temple.edu/advising to calculate the GPA in the major.

Major Requirements [for Freshmen](#)

Major Requirements [for Transfers](#)

Requirements of the Human Resource Management Major - For Freshmen Only

Department	Course #	Course Name	Hours	RCI
HR MGMT	2501	Introduction to Human Resource Management	3	
HR MGMT	4596*	Organizational Staffing	3	WI
<i>Select three additional 3500+ level Human Resource Management courses from this list:</i>			9	
HR MGMT	3511	Compensation Management		
HR MGMT	3512	Human Resource Management & Public Policy		
HR MGMT	3513	Labor Relations: Strategy & Practice		
HR MGMT	3581	Co-op Experience in Human Resource Management		
<i>Select one additional course from this list:</i>			3	
HR MGMT	3501	Power, Influence & Negotiation		
HR MGMT	3502	Managing People at Work		
HR MGMT	3503	Communicating in Organizations		
HR MGMT	3565	International Human Resource Management		
Subtotal			18	
*This major capstone is taken in the final semester and all prerequisites must be met.				

Requirements of the Human Resource Management Major - For Transfer Students Only

Required courses				
Department	Course #	Course Name	Hours	RCI
HR MGMT	2501	Introduction to Human Resource Management	3	
HR MGMT	4596*	Organizational Staffing	3	WI
<i>Select two additional 3500+ level Human Resource Mgmt courses from this list:</i>			6	
HR MGMT	3511	Compensation Management		
HR MGMT	3512	Human Resource Management & Public Policy		
HR MGMT	3513	Labor Relations: Strategy & Practice		
HR MGMT	3581	Co-op Experience in Human Resource Management		
<i>Select one additional course from above list or courses listed below:</i>			3	
HR MGMT	3501	Power, Influence & Negotiation		
HR MGMT	3502	Managing People at Work		
HR MGMT	3503	Communicating in Organizations		
International course - select one:			3	
Economics	3563**	International Trade		
Economics	3564**	International Monetary Economics		
Finance	3551	International Financial Markets		

Finance	3552	International Financial Management		
General & Strategic Management	3566	Global Strategic Management		
HR MGMT	3565	International Human Resource Management		
Law S.B.M.	3562	International Law		
Marketing	3553	International Marketing		
Economics**	3500+	Any upper-level Economics course, excluding Economics 3581.	0-3	
Business Electives		Select two to three electives from business departments 2500+	6-9	
Subtotal			27	
* Human Resource Management 4596 will fill the technology requirement for the Human Resource Management major.				
** If either Economics 3563 or 3564 is taken to fulfill the Economics 3500+ elective, the course will also satisfy the International requirement. Students will need to take an additional business elective.				

People First Certificate

Good management is a key to any successful enterprise. In today's business environment, managers need to have an edge on the competition. The Human Resource Management Department offers three courses that we call our People First sequence to provide Fox School of Business and Management students the edge they need:

- HR MGMT 3501: *Power, Influence & Negotiation*
- HR MGMT 3502: *Managing People at Work*
- HR MGMT 3503: *Communicating in Organizations*

Take all three courses and receive our People First Certificate, an approved certificate program within FSBM. Or, take just one or two to further your training in the people side of business. People First Certification is available to FSBM students or students who have completed the Business Minor or General Business Studies Minor. In the case of students who have completed the General Business Studies Minor, the People First courses cannot also fill elective credits for that minor. For further information on these courses, students should contact their academic advisor.

Joint Program for RMI & HRM Majors

The Risk Management and Insurance (RMI) Department and the Human Resource Management Department now offer several joint programs for students interested in a career in employee benefits and/or human resource management. These programs allow students to broaden their career options by taking advantage of the cross-training offered by these departments.

- HR MGMT major with a RSK MGT concentration. Students take RSK MGT 3501 (*Life and Health Insurance and Employee Benefits*) and RSK MGT 3503 (*Retirement Plans*).

- RSK MGT major with a HR MGMT concentration. Students take HR MGMT 2501 (*Introduction to Human Resource Management*) and HR MGMT 3511 (*Compensation Management*).
- Dual HR MGMT/RSK MGT major. Students fulfill all requirements for both majors.

For more information on joint HR MGMT/RSK MGT courses, contact Rob Drennan 215-204-8894.

International Business Administration

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Kim Cahill, Program Advisor

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www.fox.temple.edu/programs/iba.html

A major in International Business Administration combines coursework in international business (IB), area studies, and foreign language. This educational experience is designed to equip students with the knowledge and global perspectives required to thrive in the global workforce of the twenty-first century.

Students are required to demonstrate proficiency in a second language at the fourth semester level through coursework or examination. A cultural, historical, and geographic area of understanding is also essential. Students are encouraged to acquire this background through completion of a Certificate of Specialization in Spanish and Latin American Studies for Business or Asian Business and Society facilitated by IGMS/CIBER, or elective courses offered by the College of Liberal Arts. See Temple CIBER, [Spanish and Latin American Studies for Business](#) and Temple CIBER, [Asian Business and Society Certificate Program](#) for information.

To further round out a students' education, study abroad is strongly recommended. Students are provided opportunities to spend a summer, a semester or a year abroad in various countries where the university has established business programs. See Temple CIBER, [Study Abroad](#) for information.

International Business Administration majors are strongly encouraged to study abroad, earn an Area Studies and Language Certificate, and become actively involved in the International Business Association. This student organization hosts the Global Lecture Series with guest speakers from international business disciplines, networking events, and career development activities. This organization is open to all FSBM majors. For more information, contact the International Business Association officers at 215-204-8185.

Summary of Requirements

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

College Requirements

Students must meet [College Graduation Requirements](#), including the requirements of the major listed below. Students must maintain a 2.0 GPA overall and a 2.0 GPA in the major to graduate as an International Business major. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.

Major Requirements [for Freshmen](#)

Major Requirements [for Transfers](#)

Requirements of International Business Administration Major - For Freshmen Only

Undergraduate students may earn a Bachelor of Business Administration (B.B.A.) degree in international business (IB). Students are strongly encouraged to pursue one of two complementary tracks to enhance their professional marketability by specializing in a functional area of business and/or pursuing area studies expertise.

Department	Course #	Course Name	Hours	RCI
Foreign Language requirement		All students must be proficient in two languages		
IBA	4597^	Global Strategic Management (GSM 4597)	3	WI
IBA	4587*	International Business Practicum	3	
Marketing	3511	Marketing Research	3	
Select one:			3	
IBA	2501	Fundamentals of Asian Business		
IBA	2502	Fundamentals of Latin American Business		
IBA	2503	Business in the European Union (Temple Rome)		
Select two:			6	
IBA/Finance	3551	International Financial Markets		
IBA/Marketing	3553	International Marketing		
IBA/Law	3562	International Law		
IBA/Economics	3563	International Trade		
IBA/HR MGMT	3565	International Human Resource Management		
Subtotal			18	
^ This course is pending approval.				
* This major capstone is taken in the final semester and all prerequisites must be met.				

Requirements of International Business Administration Major - For Transfer Students Only

The International Business Administration major results in a multidisciplinary degree with a strong, functional business component. All International Business majors will complete the requirements for a functional business major AND the international requirements listed below.

Required courses****				
Department	Course #	Course Name	Hours	RCI
Requirements of FSBM Functional major*				
IBA/Economics	3563**	International Trade	3	
IBA	4587	International Business Practicum	3	
Select one of the following:			3	
IBA	3101	Fundamentals of International Business		
IBA/Finance	3551	International Financial Markets		
IBA/Finance	3552	International Financial Management		
IBA/Economics	3564	International Monetary Economics		
Select one of the following:			3	
IBA	2503	Business in the European Union (Temple Rome)		
IBA/Marketing	3553	International Marketing		
IBA/LAW	3562	International Law		
IBA/HR MGMT	3565	International Human Resource Management		
IBA/GSM	3566	Global Strategic Management		
Foreign Language Requirement***		Arabic, Chinese, French, German, Italian, Japanese, Portuguese, Russian, or Spanish (these are non-business credit hours)	0-14	LA
Subtotal			12-26	
* Technology requirement is filled through the functional Business Major.				
** The IBA 3563/ECON 3563 class may be able to satisfy the 3500+ level Economics requirement for the functional major that is chosen. Please check with the functional major description and your academic advisor.				
*** Students are required to take four courses of a foreign language or the Latin American Studies Semester (LASS). Students fluent in a foreign language will be waived from this requirement if they have demonstrated fourth-level competency in one of the languages listed above.				
**** IB majors must also complete the requirements for a functional major such as accounting, economics, finance, etc.				

Notes:

- International Business courses are cross-listed with the corresponding functional department. IBA majors must use the IBA course number when registering.
- IBA 4587 is no longer considered a writing-intensive course.

- It is recommended that students take IBA 2501 and IBA 2502 as Business electives if they have room in their degree program.

Legal Studies

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The Legal Studies curriculum is designed to acquaint students with the broad spectrum of the economic, political, and sociological framework within which the law functions. It also may be pursued as a pre-law major in preparation for law school. Majors will be exposed to a curriculum that will challenge their thinking process and reasoning abilities through the use of actual court cases, trial simulations, negotiations and other advocacy skills that stress written and oral communication. All faculty are law trained, and the courses offer an interesting blend of theory and practice.

Students pursuing this curriculum in preparation for the study of law should acquaint themselves with the content and format of the Law School Admissions Test. Information about the test and the [Law School admission's process](#) may be accessed by visiting our web site.

Legal Studies majors are encouraged to become involved in Phi Alpha Delta Law Fraternity, International. This organization hosts guest speakers, sponsors law-related field trips, and assists students in gaining internships within the legal field.

Summary of Requirements

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

College Requirements

Students must meet [College Graduation Requirements](#), including the requirements of the major listed below. Legal Studies students must attain a 2.0 GPA in the major and a 2.0 cumulative GPA in order to graduate. Please note that GPA requirements for Law School admission will be significantly higher. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.

Major Requirements [for Freshmen](#)
Major Requirements [for Transfers](#)

Requirements of Legal Studies Major - For Freshmen Only

Department	Course #	Course Name	Hours	RCI
Law S.B.M.	1102	Law of Contracts	3	
Law S.B.M.	3562	International Law	3	
Law S.B.M.	4596*	Legal Research, Writing & Advocacy	3	WI
Choose three:			9	
Law S.B.M.	3502	Law for the Entrepreneur		
Law S.B.M.	3503	The Consumer & the Law		
Law S.B.M.	3504	Sports & the Law		
Law S.B.M.	3505	Constitutional Law		
Law S.B.M.	3506	Law, Technology & E-Commerce		
Law S.B.M.	3507	Business Law for Accountants		
Law S.B.M.	3508	The Litigation Process		
Law S.B.M.	3582	Independent Study		
Real Estate	3502	Real Estate Practice		
Subtotal			18	
*This major capstone is taken in the final semester and all prerequisites must be met.				

Requirements of Legal Studies Major - For Transfer Students Only

Required courses				
Department	Course #	Course Name	Hours	RCI
Law S.B.M.	1102	Law of Contracts	3	
Law S.B.M.	4596*	Legal Research, Writing & Advocacy	3	WI
Law S.B.M.	3562**	International Law	3	
<i>Select any two of the following:</i>			6	
Law S.B.M.	3502	Law for the Entrepreneur		
Law S.B.M.	3503	The Consumer & the Law		
Law S.B.M.	3504	Sports & the Law		
Law S.B.M.	3505	Constitutional Law		
Law S.B.M.	3506	Law, Technology & E-Commerce		
Law S.B.M.	3507	Business Law for Accountants		
Law S.B.M.	3508	The Litigation Process		
Law S.B.M.	3582	Independent Study		
Real Estate	3502	Real Estate Practice		
Economics	3500+	Any upper-level Economics courses, excluding Economics 3581	3	
Business Electives		Select three electives from business departments 2500+	9	
Subtotal			27	
* Satisfies the technology requirement for the major.				
** Satisfies the International Requirement for the major.				

The Temple Law Scholars Program

Temple University School of Law and the Temple University Fox School of Business and Management have created a program for exceptional students who plan on attending law school. The Temple Law Scholars Program provides an opportunity for outstanding students to gain provisional admission to Temple University School of Law at the same time they are accepted into the Fox School of Business and Management. As Temple Law Scholars, students will spend their undergraduate years in Temple's Honors Program with a major in Legal Studies, after which they will enroll in Temple University School of Law, leading to the degree of Juris Doctor. While undergraduates, students may choose to add a second major or minor.

The Temple Law Scholars Program offers two options:

1. The 3/3 option offers an accelerated experience in which the student begins law school after three years of undergraduate work in the Honors program. The bachelor's degree in Business Administration with a major in Legal Studies is awarded after completion of the first year of law school, and the law degree is received after three years of law school.
2. The 4/3 program offers an enriched undergraduate experience in which the student receives the bachelor's degree in Business Administration with a major in Legal Studies after four years in the Honors Program, and the law degree after three years of law school.

Students who wish to seek additional work experience prior to matriculating in law school can also be granted a one-year deferral between college and law school.

For more information about the Department of Legal Studies and its course offerings, please visit our web site at <http://sbm.temple.edu/dept/legal/>.

Management Information Systems

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The B.B.A. Major in Management Information Systems (MIS) is a full-time undergraduate degree designed to train business-oriented, technically proficient information systems professionals. Information technology (IT) is the engine that drives business today. The professional of the future must understand how IT can solve business problems and create

innovative solutions. The Fox B.B.A. in MIS will train you to identify, evaluate, build, and acquire innovative IT solutions.

You will learn how to:

- Apply IT to automate and improve business tasks (e.g., airline reservation systems)
- Transform a business with IT (e.g., web site to reach new customers)
- Manage the systems for an organization (e.g., select a new e-mail system)

The program prepares MIS students to perform, and eventually lead, analysis, integration, and technology management activities, using state-of-the-art web-based tools and methodologies. MIS students will develop the skills and knowledge necessary to analyze and understand business problems and apply information technology to transform business and innovate. Students will learn how to analyze client needs, define systems to meet these needs, integrate applications, manage operations, and act as technical intermediaries between management and technical staff.

The MIS major at Fox has three distinctive elements:

Connected

- Designed in partnership with MIS Industry Advisory Board
- Established relationships with industry

Recognized

- Fox is one of the largest and most highly ranked Business Schools
- Student placement is 100%

Innovative

- Learn the latest technologies: Mobile computing and wireless
- Exclusive interactive case study provides real world experience
- Curriculum is first in the country to focus on integration as a unifying theme

Courses require extensive hands-on projects, teamwork, and use of high-end technology.

Typical career options for MIS students graduating with the B.B.A. in MIS include systems/business analyst, MIS consultant, application developer, information systems manager, web developer, project manager, systems architect, and database administrator.

All MIS students are strongly encouraged to become involved in the Association of Management Information Systems (AMIS). [AMIS](#) is a professional organization open to any student interested in joining the synergistic revolution of business management and technology in a global economy. AMIS offers students opportunities that forge professional development skills, structured social and networking events, and an outlet to bring change to our communities

through MIS and business. For more information, please contact Professor Cindy Joy Marselis at cindy.joy.marselis@temple.edu (215-204-3077).

Summary of Requirements

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

College Requirements

Students must meet [College Graduation Requirements](#), including the requirements of the major listed below. MIS students must attain a 2.0 GPA in the major, including a minimum grade of C in every course, and a 2.0 cumulative GPA in order to graduate. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.

Major Requirements [for Freshmen](#)

Major Requirements [for Transfers](#)

Requirements of Management Information Systems Major - For Freshmen Only

Department	Course #	Course Name	Hours	RCI
Note that minimum grades of C are required in the courses below.				
Semester 5				
MIS	2501	IT Architecture & Software Development	3	
MIS	3596	Business Process Analysis	3	WI
Semester 6				
MIS	2502	Database Management	3	
MIS	3501	Application Development	3	
Semester 7				
MIS	3502	Application Integration & Evaluation	3	
MIS	3535*	Managing Global Information Systems Projects	3	
Semester 8				
MIS	4596**	Information Systems Integration	3	WI
Subtotal			21	
*This course will waive International Business Administration 3101 in the Fox upper-division foundation.				
**This major capstone is taken in the final semester and all prerequisites must be met.				
NOTE: All MIS majors are waived from the college requirement of International Business Administration 3101 unless they add a second major or a minor.				

Requirements of Management Information Systems Major - For Transfer Students Only

Required courses				
Department	Course #	Course Name	Hours	RCI
MIS	2101	Information Systems in Organizations	3	
MIS	2501	IT Architecture & Software Development	3	
MIS	2502	Database Management	3	
MIS	3501	Application Development	3	
MIS	3502	Application Integration & Evaluation	3	
MIS	3535	Managing Global Information Systems Projects	3	
MIS	3596	Business Process Analysis	3	WI
MIS	4596	Information Systems Integration	3	WI
<i>Select one MIS elective:</i>			3	
MIS	3533	Electronic Commerce Site Design		
MIS	3534	Strategic Management of Information Technology		
MIS	3580	Special Topics (topics may change)		
MIS	3581	Co-op Experience in MIS		
<i>Select one:</i>			3	
Economics	3563*	International Trade		
Economics	3564*	International Monetary Economics		
Subtotal			30	
* Economics 3563 or 3564 will satisfy the International requirement and the upper-level Economics requirement for the MIS major.				
** The technology requirement is filled by courses within the MIS major.				

Minor

A minor in MIS provides undergraduate students the ability to specify, select, utilize, and apply information technology (IT) to their major field of study. The minor provides the skills and terminology needed to become an expert user of IT in the business world.

Who Should Do a Minor in MIS?

Business students will benefit from a minor in MIS, particularly majors in marketing, finance, accounting, risk management, entrepreneurship, and business management. The minor in MIS will position such students for jobs in business application areas, consulting positions, technical liaisons, and selling and acquisition of business software.

Benefits

- Exposure to key computing technologies that are likely to be used by organizations.
- Provide the key tools that would enable business professionals to interact with the IT professionals to specify technology solutions.

- View business processes in terms of information inputs and outputs and identify how specific IT solutions can be designed and implemented to enable these business processes to make the company more effective and efficient.
- Identify information needs of the organization and methods to collect, store, analyze, and disseminate this information.

For more information about the MIS minor visit: <http://mis.temple.edu/minor>

Certificate

Students who wish to earn a Certificate in MIS can do so by completing the courses listed on the [MIS](#) web site. The Certificate does not require the completion of the Business Minor or the Business Studies Minor. Certificates are not listed on the academic transcript.

Marketing

Richard Lancioni, Department Chair
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215-204-8885
richard.lancioni@temple.edu

Marketing is one of the most important business areas in the economy. Companies of all sizes must develop effective marketing strategies to reach the customers who will buy their products and services. To develop a successful marketing strategy, an individual must understand how to develop new products, create effective promotional programs, price the products, and distribute them to customers in domestic and foreign markets. The goals of the marketing curriculum are to enable students to develop occupationally-viable skills and to pursue careers in marketing.

Students are taught in quantitative methods and the behavioral sciences to solve marketing problems. Methods of instruction may range from programmed learning for simple vocabulary and concept formation to team participation in systems simulations. Class projects are sometimes conducted in cooperation with business and government organizations.

Marketing majors have career choices in several fields, including:

- Advertising and advertising management
- Sales and sales management
- International Marketing
- Marketing Research
- Marketing Management
- Logistics and supply chain management
- Careers in local, state, and federal governments
- Non-profit organizations such as hospitals and universities
- Direct marketing
- Public relations
- Customer service

- Wholesaling

Marketing majors are encouraged to become involved in the American Marketing Association. This student professional organization offers students the opportunity to meet business leaders in marketing; the group also hosts regular meetings and career development programs. The [American Marketing Association](#) is open to all majors. For more information, please contact Professor Mary Conran at mconran@temple.edu (215-204-8152).

Summary of Requirements

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

College Requirements

Students must meet [College Graduation Requirements](#), including the requirements of the major listed below. Students must attain an overall GPA of 2.0 and a 2.0 GPA in the major to graduate as a Marketing major. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.

Major Requirements [for Freshmen](#)

Major Requirements [for Transfers](#)

Requirements of Marketing Major - For Freshmen Only

Department	Course #	Course Name	Hours	RCI
Marketing	3596	Consumer & Buyer Behavior	3	WI
Marketing	3511	Marketing Research	3	
Marketing	3553*	International Marketing	3	
Marketing	4501**	Marketing Strategy Planning	3	
Choose three:			9	
Marketing	3501	Integrated Marketing Communications		
Marketing	3502	Information Management for Marketing Strategies		
Marketing	3503	Promotion Management		
Marketing	3504	Sales & Sales Management		
Marketing	3506	Retailing & Supply Chain Management		
Marketing	3507	Direct Marketing		
Marketing	3508	Strategic Application of Technology in Marketing		
Marketing	3581	Marketing Internship/Co-Operative Experience		
Marketing	3582	Independent Study		

Subtotal			21	
*This course will waive International Business Administration 3101 in the Fox upper-division foundation.				
**This major capstone is taken in the final semester and all prerequisites must be met.				

Requirements of Marketing Major - For Transfer Students Only

Required courses				
Department	Course #	Course Name	Hours	RCI
Marketing	3596	Consumer & Buyer Behavior	3	WI
Marketing	3511*	Marketing Research	3	
Marketing	3553	International Marketing	3	
Marketing	4596	Marketing Strategy Planning	3	WI
Marketing Electives - select two of the following:			6	
Marketing	3501	Integrated Marketing Communications (formerly called <i>Advertising</i>)		
Marketing	3503	Promotion Management		
Marketing	3504	Sales & Sales Management		
Marketing	3506	Retailing & Supply Chain Management		
Marketing	3507	Direct Marketing		
Marketing	3508	Strategic Application of Technology in Marketing		
Marketing	3582	Independent Study		
Economics	3500+	Any upper-level Economics courses, excluding Economics 3581.	3	
Business Electives		Select two electives from business departments 2500+	6	
Subtotal			27	
* Satisfies the technology requirement for the major.				

Real Estate

Kenneth Kopecky, Department Chair

Office: Speakman Hall 329

215-204-8279

kkopecky@temple.edu

<http://sbm.temple.edu/faculty/kkopecky/>

Forrest Huffman, Undergraduate Advisor

Office: Speakman Hall 206E

215-204-6675

fhuffman@temple.edu

The real estate major is designed to provide an educational foundation for students interested in pursuing careers in real estate. Career areas include real estate investment and financial analysis, real estate finance and mortgage lending, corporate real estate asset analysis, and commercial and residential real estate brokerage.

Core competencies to be developed include the ability to analyze: real estate investment opportunities from both investor and corporate perspectives; financial and lending alternatives; and the effect of financing and taxation on real estate asset cash flows, net present values, and internal rates of return. Students will also learn the fundamentals of real estate markets and develop an understanding of the legal framework surrounding real estate ownership, title transfer, and sale.

All real estate students are encouraged to participate in the Temple University chapter of Rho Epsilon, the Real Estate student professional organization. Chapter members can take advantage of career advisement, résumé development, and networking opportunities. Real estate majors are also eligible for various university and professional scholarships, including the program's E. Fred Kemner Award. For more information please contact Professor Huffman at 215-204-6675.

Summary of Requirements

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

College Requirements

Students must meet [College Graduation Requirements](#), including the requirements of the major listed below. Students must maintain a 2.0 GPA overall and a 2.0 GPA in the major to graduate. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.

Major Requirements [for Freshmen](#)

Major Requirements [for Transfers](#)

Requirements of Real Estate Major - For Freshmen Only

Department	Course #	Course Name	Hours	RCI
Real Estate	3501	Real Estate Fundamentals	3	
Real Estate	3502	Real Estate Practices	3	
Finance	3502	Financial Markets	3	
Finance	3503	Corporate Finance	3	
Finance	3509	Real Estate Investment & Finance	3	
Finance	4597^	Seminar in Real Estate Asset Analysis	3	WI
Select one:			3	
Finance	3551 ^^	International Financial Markets		

Finance	3552 ^^	International Financial Management		
Subtotal			21	
^ This major capstone is taken in the final semester and all prerequisites must be met.				
^^ This course will waive International Business Administration 3101 in the Fox upper-division foundation.				

Requirements of Real Estate Major - For Transfer Students Only

Required courses				
Department	Course #	Course Name	Hours	RCI
Accounting	3511	Intermediate Accounting I	3	
Finance	3503	Corporate Finance	3	
Finance	3509	Real Estate Investment & Finance	3	
Real Estate	3501	Real Estate Fundamentals	3	
Real Estate	3502	Real Estate Practices	3	
International Requirement – choose one of the following three:			3	
Finance	3551	International Financial Markets		
Finance	3552	International Financial Management		
Economics	3564	International Monetary Economics		
Economics	Elective	Select one from the following list: ECON 3501; 3502; 3503; 3504; 3505; 3538; or 3544.	3	
Finance	4596^	Seminar in Financial Management	3	WI*
Business Electives	Elective	Select one elective from business department 2500+	3	
Subtotal			27	
^ This course satisfies the writing and the technology requirements for the major.				
*Indicates Writing Capstone.				

Risk Management & Insurance

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Temple University's program in Risk Management and Insurance (RSK MGT) is nationally recognized. Located in the Department of Risk, Insurance, and Healthcare Management, the program prepares students to identify and evaluate various sources of risk, then select and implement solutions to control these risks through insurance and other mechanisms of risk transfer and distribution.

Graduates of this program often enter the risk management or employee benefit departments of large businesses and other organizations. They may also take challenging positions within insurance or benefit consulting firms, brokerage firms, agency operations, or insurance companies.

Risk management and insurance majors are strongly encouraged to become active in the Sigma chapter of Gamma Iota Sigma, Temple's national award-winning professional student organization in Risk Management, Insurance, and Actuarial Science. The organization hosts numerous guest speakers from the industry, sponsors a variety of career development seminars, and maintains a widely-distributed résumé book. For more information, please contact the GIS President, at 215-204-9368 or visit the web site at www.sigmachapter.org.

Major Tracks within Risk Management & Insurance

Students in the Risk Management & Insurance major may select from one of three tracks depending on their interests. These include:

- Employee Benefit Management
- Healthcare Risk Management
- Property-Liability/Corporate Risk Management

Summary of Requirements

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

College Requirements

Students must meet [College Graduation requirements](#), including the requirements of the major listed below. Students pursuing any of the Risk Management and Insurance major/tracks must attain a 2.0 cumulative GPA and 2.0 in the major/track to graduate with the Risk Management major. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.

Major Requirements for Freshmen

[Freshmen Employee Benefits track](#)

[Freshmen Healthcare Risk Management track](#)

[Freshmen Property-Liability/Corporate Risk Management track](#)

Major Requirements for Transfers

[Transfer Employee Benefits track](#)

[Transfer Healthcare Risk Management track](#)

[Transfer Property-Liability/Corporate Risk Management track](#)

Requirements of Employee Benefits Management Major - For Freshmen Only

Department	Course #	Course Name	Hours	RCI
RSK MGT	3501	Life & Health Insurance & Employee Benefits	3	
RSK MGT	3502	Property & Liability Insurance Coverages	3	
RSK MGT	3503	Retirement Plans	3	
RSK MGT	4596*	Advanced Topics in Health & Welfare Employee Benefits	3	WI
Select one:			3	
RSK MGT	3504	Property & Liability Insurance Functions		
RSK MGT	3505	Actuarial Applications in Risk Management & Insurance		
RSK MGT	4597	Global Corporate Risk Management		WI
RSK MGT	4598	Healthcare Risk Management		WI
Subtotal			15	

* This major capstone is taken in the final semester and all prerequisites must be met.

Requirements of Healthcare Risk Management Major - For Freshmen Only

Department	Course #	Course Name	Hours	RCI
RSK MGT	3501	Life & Health Insurance & Employee Benefits	3	
RSK MGT	3502	Property & Liability Insurance Coverages	3	
HLT MGT	3501	Introduction to the Health Services System	3	
HLT MGT	3502	Healthcare Financing & Information Technology	3	
Economics	3507	Health Economics	3	
RSK MGT	4598*	Healthcare Risk Management	3	WI
Subtotal			18	

* This major capstone is taken in the final semester and all prerequisites must be met.

Requirements of Property-Liability/Corporate Risk Management Major - For Freshmen Only

Department	Course #	Course Name	Hours	RCI
RSK MGT	3501	Life & Health Insurance & Employee Benefits	3	
RSK MGT	3502	Property & Liability Insurance Coverages	3	
RSK MGT	3504	Property & Liability Insurance Functions	3	
RSK MGT	4597*	Global Corporate Risk Management	3	WI
Select one:			3	
RSK MGT	3503	Retirement Plans		
RSK MGT	3505	Actuarial Applications in Risk Management & Insurance		
Subtotal			15	

* This major capstone is taken in the final semester and all prerequisites must be met.

Requirements of Employee Benefits Management Major - For Transfer Students Only

Required courses				
Department	Course #	Course Name	Hours	RCI
RSK MGT	3501	Life & Health Insurance & Employee Benefits	3	
RSK MGT	3502	Property & Liability Insurance Coverages	3	
RSK MGT	4596	Advanced Topics in Health & Welfare Employee Benefits	3	WI
<i>Select one of the following:*</i>			3	

RSK MGT	3503	Retirement Plans		
RSK MGT	3505	Actuarial Applications in Risk Management & Insurance		
HLT MGT	3502**	Healthcare Financing & Information Technology		
RSK MGT**		RSK MGT Electives - one or two courses excluding RSK MGT 3581, 3582, 3682.	3-6	
International course - select one:			3	
Economics	3563***	International Trade		
Economics	3564***	International Monetary Economics		
Finance	3551	International Financial Markets		
Finance	3552	International Financial Management		
GSM	3566	Global Strategic Management		
HR MGMT	3565	International Human Resource Management		
Law S.B.M.	3562	International Law		
Marketing	3553	International Marketing		
Economics^	3500+	Any upper-level Economics course, excluding Economics 3581.	0-3	
Business Electives		Select one to three electives from business departments 2500+^^	3-9	
Subtotal			27	

* Courses in this category satisfy the technology requirement for the major.

** If Healthcare Management 3502 is taken to fill the technology requirement, the student will need one additional elective in Risk Management & Insurance to meet the department's five-course Risk Management & Insurance requirement for the major.

*** If Economics 3563 or 3564 is chosen to fulfill the International requirement, you will also satisfy the 3500+ level Economics requirement. It is the recommendation of the department that you do not take these courses.

^ If you did not take Economics 3563 or 3564, it is highly recommended that you take Economics 3521 (*Economics of Risk & Uncertainty*) or Economics 3507 (*Health Economics*) to meet this requirement.

^^ Students are strongly recommended to select and complete a second major field of concentration. Please discuss recommended majors with the chair of Risk Management & Insurance.

Requirements of Healthcare Risk Management Major - For Transfer Students Only

Required courses				
Department	Course #	Course Name	Hours	RCI
RSK MGT	3501	Life & Health Insurance & Employee Benefits	3	
RSK MGT	3502	Property & Liability Insurance Coverages	3	
HLT MGT	3501	Introduction to the Health Services System	3	
HLT MGT	3502*	Healthcare Financing & Information Technology	3	
Economics	3507	Health Economics	3	
<i>Select one of the following:</i>			3	
RSK MGT	4596	Advanced Topics in Health and Welfare Employee Benefits		WI
RSK MGT	4597**	Global Corporate Risk Management		WI
RSK MGT**	3504	Property & Liability Insurance Functions	0-3	

International course - select one:			3	
Economics	3563	International Trade		
Economics	3564	International Monetary Economics		
Finance	3551	International Financial Markets		
Finance	3552	International Financial Management		
GSM	3566	Global Strategic Management		
HR MGMT	3565	International Human Resource Management		
Law S.B.M.	3562	International Law		
Marketing	3553	International Marketing		
Business Electives		Select one to two electives from business departments 2500+***	3-6	
Subtotal			27	

* Satisfies the technology requirement for the major.

** If Risk Management & Insurance 4597 is taken to fill the capstone writing requirement, the student must also take the prerequisite for the course RSK MGT 3504 (*Property & Liability Insurance Functions*).

*** Students are strongly recommended to select and complete a second major field of concentration. Please discuss recommended majors with the chair of Risk Management & Insurance.

Note: It is highly recommended that students take Healthcare Management 4596 (*Integrated Delivery Systems & Managed Care*) as one of their business electives.

Requirements of Property-Liability/Corporate Risk Management Major - For Transfer Students Only

Required courses				
Department	Course #	Course Name	Hours	RCI
RSK MGT	3501	Life & Health Insurance & Employee Benefits	3	
RSK MGT	3502	Property & Liability Insurance Coverages	3	
RSK MGT	3504	Property & Liability Insurance Functions	3	
RSK MGT	4597	Global Corporate Risk Management	3	WI
<i>Select one of the following:*</i>			3	
RSK MGT	3503	Retirement Plans		
RSK MGT	3505	Actuarial Applications in Risk Management & Insurance		
HLT MGT	3502**	Healthcare Financing & Information Technology		
RSK MGT		Any RSK MGT elective course - needed only if HLT MGT 3502 is taken in category above	0-3	
International course - select one:			3	
Economics	3563***	International Trade		
Economics	3564***	International Monetary Economics		
Finance	3551	International Financial Markets		
Finance	3552	International Financial Management		
GSM	3566	Global Strategic Management		
HR MGMT	3565	International Human Resource Management		
Law S.B.M.	3562	International Law		
Marketing	3553	International Marketing		
Economics^	3500+	Any upper-level Economics course, excluding Economics 3581	0-3	

Business Electives		Select one to three electives from business departments 2500+^^	3-9	
Subtotal			27	
* Courses in this category satisfy the technology requirement for the major.				
** If Healthcare Management 3502 is taken to fulfill the technology requirement, the student will need one additional elective in Risk Management & Insurance to meet the department's five-course Risk Management & Insurance requirement for the major.				
*** If Economics 3563 or 3564 is chosen to fulfill the International requirement, you will also satisfy the upper-level Economics requirement. It is the recommendation of the department that you do not take these courses.				
^ If Economics 3563 or 3564 is not taken, it is highly recommended that you take Economics 3521 (<i>Economics of Risk & Uncertainty</i>) or Economics 3507 (<i>Health Economics</i>) to meet this requirement.				
^^ Students are strongly recommended to select and complete a second major field of concentration. Please discuss recommended majors with the chair of Risk Management & Insurance.				

Joint Program for RMI & HRM Majors

The Risk Management and Insurance (RSK MGT) Department and the Human Resource Management (HR MGMT) Department now offer several joint programs for students interested in a career in employee benefits and/or human resource management. These programs allow students to broaden their career options by taking advantage of the cross-training offered by these departments.

- HR MGMT major with a RSK MGT concentration: Students take RSK MGT 3501 (*Life & Health Insurance & Employee Benefits*) and RSK MGT 3503 (*Retirement Plans*).
- RSK MGT major with a HR MGMT concentration: Students take HR MGMT 2501 (*Introduction to Human Resource Management*) and HR MGMT 3511 (*Compensation Management*).
- Dual HR MGMT/RSK MGT major: Students fulfill all requirements for both majors.

For more information on joint HR MGMT/RSK MGT courses, contact Rob Drennan 215-204-8894.

SCHOOL OF COMMUNICATIONS & THEATER

Founded 1967

Concetta M. Stewart, Dean
2020 N. 13th Street, Philadelphia, PA 19122
215-204-8421
www.temple.edu/sct

Goals and Objectives

The mission of the School of Communications and Theater (SCT) is to provide leadership in advancing the role of communication in public life. This mission is pursued through the training of students for leadership careers in communications, media, and theater, through advancing research and creative activity in these fields, and through serving the public need for free and open communication. The school is concerned not only with high standards of professional work but also with encouraging the next generation of artists, teachers, and media managers to develop an intellectual background and a sense of social responsibility. Toward this end, SCT students are encouraged to take coursework in disciplines outside the school. For some, history and political science are related areas of interest; others choose literature and the arts; still others choose business, economics, or the social sciences. In this way, the school participates in providing not only professional training but also a broad humanistic education for its students.

The faculty of the school come from diverse backgrounds. Some have extensive professional experience as filmmakers, journalists, television producers, theater directors, speech writers, advertising executives, and public relations practitioners. Others have come to Communications and Theater through academic study, doing graduate work and continuing the practice of research and scholarship while teaching at Temple.

History

The study of communication began formally at Temple University with the founding of the Department of Journalism in 1927. It was the first such department in the Commonwealth.

Theater was an extracurricular activity at Temple until 1931, when formal courses were developed.

Radio-Television became an instructional division in 1947, and extensive film offerings were added in 1967. That year, Journalism and Radio-Television-Film joined Theater to form the School of Communications and Theater. In 1987 the highly-respected Department of Speech moved to the school from the College of Arts and Sciences. A year later, Speech became two departments: Rhetoric and Communication, and Speech-Language-Hearing.

The school was restructured in 1995. Radio-Television-Film is now the Department of Film and Media Arts and the Department of Broadcasting, Telecommunications, and Mass Media; Journalism became Journalism, Public Relations, and Advertising; Rhetoric and Communication became Speech Communication. In 1998, the Department of Communication Sciences (Speech-Language-Hearing) moved to the College of Health Professions.

The most recent change in the structure of the school involved the Departments of Journalism, Public Relations and Advertising, and Speech Communication. Effective Fall 2004, Advertising became a separate department. The Department of Speech Communication changed its name to Strategic and Organizational Communication and includes Public Relations as one of three concentrations: Public Communication (formerly Speech Communication), Public Relations,

and Organizational Leadership. The Department of Journalism includes sequences in Broadcast Journalism, News Editorial, Magazine, and Photography for the Mass Media.

Renowned for their professional experience, research, and teaching, our faculty prepare our graduates for a wide range of careers in communication industries, as well as lead graduate students towards Ph.D., M.F.A., M.A., and M.J. degrees.

Special Facilities

The School of Communications and Theater is housed in buildings designed for teaching, research, and production.

The primary location of the School is Annenberg Hall, which houses the Departments of Film and Media Arts; Broadcasting, Telecommunications, and Mass Media; Journalism; and Advertising. Television and film production areas (studios and editing, graphics, and film labs) occupy the first floor. The building also includes extensive video and film editing areas, a 75-seat multimedia screening room, photographic labs, two news writing labs and smart classrooms.

The Theater Department, located in Tomlinson Hall, features two theaters, as well as rehearsal rooms, costume, and scene shops. The Department of Strategic and Organizational Communication is housed in Weiss Hall.

The Joe First Media Center, SCT's newest addition, is located on the first floor, linking Annenberg and Tomlinson Halls. The center is a communications and media hub for the school and includes a cyber-café, a multimedia information center, and a venue for displaying student work and film screenings.

Special Programs

Temple Update

Temple Update is a production course in which students can gain experience producing, reporting, and editing for an half-hour weekly news magazine format. The program airs on a cable outlet. The course gives students the opportunity to produce material for a résumé tape and provides students with valuable experience in field work, news writing, video editing, and the pressure of a live program.

Internship Program

Although the requirements may vary, internships are available to junior and senior students of every department in the school. Internships are for academic credit and must involve professional activity related to the student's course of study. The internships must be approved by the administrator or faculty member charged with supervising internships.

Los Angeles Summer Internship & Study Program

Offered by the Film and Media Arts Department, the Los Angeles Summer Internship & Study Program is open to all Temple University students on both the upper-level undergraduate (63 credit hours completed) and graduate levels who have an interest in working within the Hollywood entertainment industry. This 8-credit program runs from late May through July. It includes an on-site internship and six weeks of concurrent coursework.

Study Abroad/Study Away

The School of Communications and Theater offers several programs for students who are interested in studying abroad and strongly encourages students to participate in these programs.

The school offers a program in London for undergraduate students. Students spend either the fall or spring semester in London studying British theater and media with an international faculty.

Enrollment in the London program is also open to qualified students from other universities and colleges to foster an intellectual exchange among students of varied collegiate backgrounds. Courses are designed to make the best use of the uniqueness of London and the United Kingdom.

Summer Study Abroad programs are also an important feature of the school's special programs. Realizing the inestimable value of direct contact with professionals and other experts, the School of Communications and Theater offers an annual summer seminar in London on British Mass Media. These seminars are offered for graduate and undergraduate credit and can be an integral part of a student's coursework.

Temple/Dublin is a month-long program offered by the School of Communications and Theater which allows students to experience the old and the new Dublin within a challenging academic experience. The two-course program includes a foundational course on Irish literature, history and culture taught by a Dublin professor and a course on Irish media and arts taught by the school's faculty director.

The summer programs, like the academic year program, are open to qualified students from other universities and colleges and to others who choose to continue their education in a less formal manner than in a prescribed program of study.

See [International Programs](#) for more information about Study Abroad options. Current information on the London program is available from the SCT Study Abroad/Study Away advisor, 215-204-6535.

The school is also in the process of developing Study Away programs, which would be conducted within the United States. Check with the Study Abroad/Study Away advisor for information on these developments.

Advising

SCT Advising Center
9 Annenberg Hall
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Philadelphia, PA 19122
215-204-5273
www.temple.edu/sct/sct-advising2/index.htm
advise@temple.edu

Students in the School of Communications and Theater are advised by professional academic advisors and faculty advisors. New students (up to 30 credits), transfer students in their first semester, interdepartmental majors, undeclared students, and students on academic probation make advising appointments in the Advising Center on the ground floor of Annenberg Hall. All other students are advised by faculty in their respective departments. See the department office for assignment to the appropriate advisor.

Academic advisors attempt to avoid errors when advising students about their program requirements, but schools and colleges cannot assume liability for errors in advising. Therefore, students must assume primary responsibility for knowing the requirements for their degree and for acquiring current information about their academic status.

Most students will be eligible to register for classes online via [OWLnet](#). However, all students should meet with an advisor prior to the eligible registration period.

Students preparing to graduate must file the necessary paperwork one semester prior to the graduation date. At that time, an appointment should be made in the Academic Advising Center to complete a graduation review and application for graduation.

Policies & Regulations

Please see the [Undergraduate Academic Policies](#) section of this *Bulletin*. Students are responsible for complying with all university-wide academic policies as well as those of the School of Communications and Theater that appear below.

Academic Standing

A matriculated undergraduate student in the university is in Academic Good Standing if he/she has not been dismissed.

Unsatisfactory Academic Performance is defined as having a semester or cumulative grade-point average below 2.0 (C) resulting in grade point deficiencies. Excessive accumulation of grade point deficiencies can result in dismissal. The Office of Academic Records notifies students whose academic performance is unsatisfactory.

Credits Not Applied Toward the Degree

Credits earned in the following courses are not applied toward a degree in the School of Communications and Theater: lower-level courses in Military Science, Topical Studies, RCC, ELECT, and Mathematics 0015.

Dean's List

Each semester, undergraduate students who achieve a GPA of 3.5 or above for the semester with 12 or more credits toward the degree and with no grades of I or NR are selected for the Dean's List. Letters of congratulation are sent to each of these students.

English 0701 Requirement

Students required to take English 0701 must complete that requirement before enrolling in Journalism 1196 and before enrolling in Strategic and Organizational Communication courses numbered 1000 or above.

Readmission

Students returning to the School of Communications and Theater after an absence of three or more years must use the [*Undergraduate Bulletin*](#) in effect at the time of readmission or any subsequent [*Undergraduate Bulletin*](#). Credits more than 10 years old may not be applied toward a degree in the school.

Transfer Students

Refer to the [*Undergraduate Admissions*](#) section of this *Bulletin* for general information on transferring courses to Temple. In addition to these criteria, each department in the School of Communications and Theater will evaluate any credit to be transferred into a major. This evaluation generally is done at the first meeting with a faculty advisor during the first semester. The maximum number of credit hours allowed to transfer in the major are: 12 hours in Advertising; 20 hours in Broadcasting, Telecommunications, and Mass Media; 21 hours in the Communications interdepartmental degree; 21 hours in Film and Media Arts; 12 hours in Journalism; 12 hours in Strategic and Organizational Communication; and 20 hours in Theater.

School Requirements for Graduation

The School of Communications and Theater requires 124 credits to graduate; completion of the university [*General Education*](#) requirements (for new freshmen entering in academic year 2008-2009) or university [*Core Curriculum*](#) requirements (for new transfer students entering in academic year 2008-2009); completion of departmental requirements, including two writing-intensive courses in the major; a minimum of 2.0 GPA, both cumulative and in the major; and completion of a maximum of 71 credits within the school and a minimum of 53 credits outside of the school.

Minimum and maximum credit requirements within each major are listed with the departmental requirements.

Students who are planning to graduate must schedule an official graduation review with an academic advisor and complete the application for graduation one semester prior to the anticipated graduation date. Appointments may be made in the Advising Center, Room 9 of Annenberg Hall.

Program Descriptions

1. The total number of credit hours at graduation may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.
2. Students must fulfill the necessary prerequisites for any given course or course sequence. See the [Prerequisites and Co-requisites Policy](#) in the university-wide Academic Policies section of this *Bulletin*.

Student Contact

For information about the School of Communications and Theater, please contact the SCT Advising Center, 215-204-5273.

Faculty

Advertising

William Donnelly, Associate Professor
James Marra, Professor
Michael Maynard, Associate Professor and Chair
Jin Seong Park, Assistant Professor

Film and Media Arts

Alan Barber, Assistant Professor
Warren Bass, Professor and Chair
Rod Coover, Assistant Professor
Peter D'Agostino, Professor
Sarah Drury, Associate Professor
LeAnn Erickson, Associate Professor
David Parry, Professor
Eran Preis, Associate Professor
Jeff Rush, Associate Professor
Michael Ryan, Professor
Paul Swann, Professor

Journalism

Shenid Bhayroo, Assistant Professor
Bonnie Brennen, Professor
Fabienne Darling-Wolf, Associate Professor
Thomas Eveslage, Professor
Christopher Harper, Associate Professor
Susan Jacobson, Assistant Professor
Carolyn Kitch, Associate Professor
Andrew Mendelson, Associate Professor and Chair
Edward Trayes, Professor
Karen Turner, Associate Professor
Linn Washington, Associate Professor

Broadcasting, Telecommunications and Mass Media

Undrahbuyan Baassanjav, Assistant Professor
Jan Fernback, Associate Professor
Renee Hobbs, Professor
Thomas Jacobson, Professor
Elizabeth Leebron, Professor and Chair
John Lent, Professor
Matthew Lombard, Associate Professor
Nancy Morris, Associate Professor
Howard Myrick, Professor
Hector Postigo, Associate Professor
Timo Saari, Associate Professor
Concetta Stewart, Dean, Associate Professor

Theater

Daniel Boylen, Professor
Marie Chiment, Professor
Kathy Garrinella, Associate Professor
Robert Hedley, Professor
Dan Kern, Professor
Roberta Sloan, Professor and Chair
Donna Snow, Associate Professor
Douglas Wager, Professor
Kimmika Williams-Witherspoon, Associate Professor

Strategic and Organizational Communication

Priscilla Murphy, Professor
Donnalynn Pompper, Associate Professor

Cornelius Pratt, Professor
Kaiben Xu, Assistant Professor

Advertising

Michael Maynard, Ph.D., Chair
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maynard@temple.edu

Department Office:
Annenberg Hall, Room 300
215-204-4268

The Department of Advertising offers students professionally-oriented courses focused on preparing them for a wide variety of careers, rooted in marketing communications in a media-defined global society.

Advertising is a major industry, serving major businesses at the intersection of media and society. Students in a professional department dedicated to the study of advertising will learn, and graduates will be well grounded in, the arts of marketing communications in a modern, high tech, media intense, interconnected world. They must comprehend the nexus of economic communications and social communications. They must be positioned to succeed in professional careers and to respond wisely as citizens, consumers, and community leaders.

Based on the evidence from over 5,000 survey questionnaires, full-time advertising students at Temple University fall into clearly-defined groups:

- Students energetically interested in advertising as a career
- Students who have creative talent and wish to express it
- Students who are broadly interested in media and the power and mystery of advertising
- Students interested in marketing, sales, or business, but who do not wish to major in business or finance
- Students who think advertising will be a fun way to get a job-oriented college degree
- **Students in the Department of Advertising will learn:**
 - How to identify appropriate research designs for understanding consumer wants, needs, and communication behavior, and be able to interpret the results for developing brand and advertising strategies
 - How to conceive, write, design and produce advertising in all media formats which can be measured against marketing objectives and strategies
 - How to establish strategies and to negotiate executions for the investment of advertising dollars in all media vehicles and how to evaluate the results
 - How to manage client relations and the process of producing advertising from strategy through production at a profit

The Advertising Department consists of three major tracks:

1. Creative – Copywriting or Art Direction

Students following the Creative Track will take three advanced courses in either copywriting or art direction. These advanced courses prepare students for the competitive world of creative writing and creative art direction in the field of advertising. The Portfolio class provides students the opportunity to work in teams and to produce a professional-grade portfolio.

2. Management

This track provides instruction for the advertising generalist, the account executive, and the media expert. In the three advanced management courses, students follow the leadership path in organization, command, and control of the advertising function. Advanced Media prepares students for the complex, fragmented media landscape of today's world.

3. Research

Students following this track will receive training that guides them in conducting surveys, analyzing data, testing copy, studying America's changing demographics, and attempting to get ahead of the fashion trend curve. Ways of tracking the success of traditional as well as alternative advertising vehicles and the mass media in general are studied.

Internships or Diamond Edge Communications

All majors are required to take either an internship or Diamond Edge Communications (DEC), our student-run ad agency. Both offer students valuable hands-on experience in actual production: ads, logos, surveys, brochures, etc. DEC works with local Philadelphia clients and sometimes, working in groups, takes on a national advertising competition. In terms of internships, students will be directed to a number of quality situations where they will have the opportunity to work in relevant professional ways for course credit.

Requirements for the Degree of Bachelor of Arts

Summary of Requirements:

1. University requirements:

- New freshman students starting in the 2008-2009 academic year are required to complete the General Education ([GenEd](#)) curriculum.
- New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum, including the Library Skills Test, also known as the Temple Information Literacy Tutorial ([TILT](#)).
- All students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed below and identified with the code "WI" in the RCI column.

2. Maximum of 71 credits in the School of Communications and Theater.

3. Minimum of 48 credits in Advertising courses, maximum of 54 credits in Advertising courses.

4. A grade of C or higher must be attained in all required Advertising courses.

5. An overall GPA of 2.0 must be attained in the major.
6. 1000-level Advertising courses are prerequisites to 2000-level Advertising courses; 2000-level Advertising courses are prerequisites to 3000-level Advertising courses; 3000-level Advertising courses are prerequisites to 4000-level Advertising courses.
7. No more than 12 semester hours of transfer credits may be applied to Advertising major requirements.
8. No more than 8 credits may be taken in Kinesiology activities courses.

Department	Course #	Course Name	Hours	RCI
Foundation I Courses				
Advertising	1101	Introduction to Media & Society	3	
Advertising	1102	Introduction to Advertising	3	
Advertising	1103	Persuasive Writing	3	WI*
Advertising	1141	Introduction to Advertising Research	3	
Department	Course #	Course Name	Hours	RCI
Foundation II Courses				
Advertising	2101	Advertising Strategy & Positioning	3	
Advertising	2121	Copywriting: Introduction	3	
Advertising	2131	Advertising Media Planning I	3	
Advertising	2151	Visual Communication	3	
Department	Course #	Course Name	Hours	RCI
Advanced Core I				
Advertising	3101	Creative Thinking for Advertising	3	
Advertising	3171	Diamond Edge Communications	3	
<i>or</i>				
Advertising	3185	Advertising Internship	3	
Department	Course #	Course Name	Hours	RCI
Advanced Core II				
Advertising	4101	Interactive Media, Marketing & Advertising	3	
Advertising	4102	Advertising Campaigns	3	
<i>or</i>				
Advertising	4103	American Advertising Federation Contest	3	
Advertising	4196	Morality, Law & Advertising	3	WI
Department	Course #	Course Name	Hours	RCI
Track Requirements				
Creative/Copywriting				
Advertising	3022	Copywriting: Print	3	
Advertising	3023	Copywriting: Broadcast	3	
Advertising	4064	Advertising Portfolio	3	

Department	Course #	Course Name	Hours	RCI
Creative/Art Direction				
Advertising	3052	Art Direction I: Concept & Layout	3	
Advertising	3053	Art Direction II: Narrative & Multiple Media	3	
Advertising	4064	Advertising Portfolio	3	
Department	Course #	Course Name	Hours	RCI
Management				
Advertising	3032	Advertising Media Planning II	3	
Advertising	3033	Marketing Media Products	3	
Advertising	4034	Advertising Account Management	3	
Department	Course #	Course Name	Hours	RCI
Research				
Advertising	3042	Quantitative Advertising Research	3	
Advertising	3043	Qualitative Advertising Research	3	
Advertising	4044	Advertising Account Planning	3	

* Writing-intensive course, pending approval.

Broadcasting, Telecommunications & Mass Media

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The Department of Broadcasting, Telecommunications and Mass Media expands students' knowledge and skills to create, analyze and manage media content and organizations. With the urban and global communities as their living laboratories, students draw on their creativity, entrepreneurship, intellectual curiosity and analytical abilities to navigate digital media in our global society.

Theory and practice are integrated into all areas of study in the major. BTMM students learn how to produce, evaluate and manage media content for traditional and emerging media in a variety of genres including information (news and documentary), music, comedy, sports, drama, and commercial and noncommercial persuasion campaigns. They study institutions that create, distribute and analyze media products (e.g., production studios, television and radio networks and audience measurement companies) and learn how to create and operate successful media businesses. BTMM students learn to think purposefully and critically about media, and examine media roles in history, culture and society from many perspectives. And they learn how to act ethically as they interact with the world both in careers in media institutions and as citizens.

The BTMM curriculum features courses in three areas:

- 1) **Media Production & Performance:** Coursework introduces students to conceptual and technical tools employed to create media content for the digital world. Students who study in this area develop strong professional skills as well as critical and analytical abilities that enable them to evaluate content for various media. They seek career opportunities as producers, writers, videographers, editors, recording engineers, web site designers and talent in traditional and emerging media.
- 2) **Media Business & Entrepreneurship:** The practical and ethical ways to start, operate or participate in an enterprise that creates, produces, and/or distributes media content. Students who take these courses seek career opportunities as media entrepreneurs, media production freelancers, owners/operators of production companies or recording studios, web site developers, or founders/owners of a station, channel or network.
- 3) **Media Analysis:** Critical understanding of the roles of media in contemporary life, including media technology as a cultural force; the nature of media institutions, audiences, and texts; and the media as a source of shared social identities. Students who take these courses are prepared for careers as media consultants, editorial or technical writers, community activists, corporate communication producers and market research analysts.

The flexible degree requirements allow students to emphasize one or more areas in the major, including:

- TV Production
- Radio Production
- Media Performance
- Web Design
- Recording Industry
- Media Management
- Media Entrepreneurship
- Analysis of Social Processes in Media
- Analysis of Media Institutions

Requirements for the Degree of Bachelor of Arts

Summary Requirements:

- University requirements:

- New freshman students starting in the 2008-2009 academic year are required to complete the General Education ([GenEd](#)) curriculum.
- New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum, including the Library Skills Test, also known as the Temple Information Literacy Tutorial ([TILT](#)).
- All students must take a minimum of two writing-intensive courses, one of which must be at the 3000+ level. Writing-intensive courses are identified with the code "WI" in the RCI column.

- School of Communications and Theater requirements.

General Requirements:

- Minimum of 40 credits in BTMM / maximum of 54 credits in BTMM
- Maximum of 71 credits in the School of Communications and Theater
- Each course that fulfills a requirement for the major must be passed with a C- or better
- All prerequisites must be met unless exempted in writing
- No more than 20 transfer credits may be applied to the BTMM major
- Minimum GPA of 2.0 in the major
- No more than 8 credits in Kinesiology and Dance activities courses

Course Requirements:

- BTMM Foundation Courses: 1011 (*Mass Communication Theory*), 1021 (*Mass Media and Society*) and 1041 (*Media in Everyday Life*) must be completed within the first 45 credits at Temple University. Students transferring in 45 or more credits need complete only two of the three BTMM foundation courses; at least one BTMM foundation course must be completed at Temple, unless exempted by the chair of the department.
- At least four courses numbered from 3000- 4999, excluding *Internship*, *Practicum*, *Independent Study* and *Independent Project*
- At least one of the following: *Internship* (BTMM 4785) or *Practicum* (BTMM 4596, 4597, 4787, or 4887)
- BTMM 4039: *Senior Seminar* taken during final 30 credits

Internships and Senior Seminar:

The academic experience for all BTMM majors culminates with an internship or practicum and the *Senior Seminar*. Together, these courses provide students the opportunity to explore their potential professional futures.

Internship opportunities exist locally (at virtually every media-oriented organization in the greater Philadelphia region), nationally (in New York City, Los Angeles, Chicago, and other U.S. media markets), and internationally (in London, England, and Tokyo, Japan, through the School of Communications and Theater's International Studies program). To qualify for an

internship, students must have Junior or Senior standing, a minimum of 2.5 GPA in the major, and passing grades (C-) in the BTMM foundation courses.

There are four practicum options. In the *Broadcast Production Practicum* (BTMM 4596), students produce a weekly live-to-tape TV newsmagazine that airs on local cable TV. The *Sports Production Practicum* (BTMM 4597) is a weekly sports program produced by students. A summer offering, *TV Production Workshop* (BTMM 4787), also fulfills the requirement for a practicum and involves the production of various content also for broadcast on local cable. The *Radio Practicum* (BTMM 4887) involves work at Temple University's jazz and classical music radio station, WRTI 90.1 FM, a National Public Radio affiliate.

Suggested Semester-by-Semester Plan for BTMM Courses

Department	Course #	Course Name	Hours	RCI
Year 1 Fall				
<i>Select one Foundation Course from:</i>				
BTMM	1011	Mass Communication Theory	4	
BTMM	1021	Mass Media & Society	4	
BTMM	1041	Media in Everyday Life	4	
Year 1 Spring				
<i>Select one Foundation course from:</i>				
BTMM	1011	Mass Communication Theory	4	
BTMM	1021	Mass Media & Society	4	
BTMM	1041	Media in Everyday Life	4	
<i>Select one of the following (consult with advisor):</i>				
BTMM	1701	Introduction to Media Technology	3	
BTMM	2141	Mass Communication Research	3	
BTMM	2221	The Broadcasting System	3	
Year 2 Fall				
BTMM	1011, 1021 or 1041	Final Foundation Course	4	
BTMM	1655	Introduction to Media Management & Organization	3	
<i>or</i>				
BTMM	2000-3000 level course		3-4	
Year 2 Spring				
BTMM	3000-4999	Elective	3-4	
BTMM	3000-4999	Elective	3-4	
Year 3 Fall				
<i>BTMM Writing Course - Select one:</i>				
BTMM	3196	Writing Workshop	3	WI

BTMM	4296	History of Broadcasting	4	WI
BTMM	4496	Global Telecommunications	4	WI
BTMM	4497	Mass Media & Children	4	WI
BTMM	4596	Broadcast Production Practicum	3	WI
Year 3 Spring				
BTMM	3000-4999	BTMM Elective - Select one	3-4	
BTMM	3000-4999	BTMM Elective - Select one	3-4	
Year 4 Fall				
BTMM	4785	Internship	2	
BTMM	4039	Senior Seminar	3	
BTMM	Elective	Writing Intensive (select from above list)	3-4	WI
Year 4 Spring				
BTMM	Elective	Select one	3-4	
BTMM	4785	Internship	2	

Communications Major

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The Communications Major is designed in the liberal arts tradition to provide students in the School of Communications and Theater (SCT) a broad exposure to all communications disciplines, as well as allowing for an in-depth focus in more than one area of study. The major is offered at the Main Campus and at the Ambler Campus and also can be completed at the Tokyo campus, but some elective advanced courses in special areas of interest are offered only at the Main Campus. Students are encouraged to propose individual programs using the comprehensive list of SCT course offerings that are compatible with the interdisciplinary objective of the major.

Positions in the communications industries are growing, and most SCT graduates seek employment there. The Communications Major also develops a broad range of interpersonal and mass media skills -- practical writing, oral skills, media production, and computer use. These are valuable to many careers in business, public service, and education, and many employers are looking for informed employees who understand the communication processes. Communications Majors can develop a suitable set of marketable skills for a broad range of such careers.

Program Requirements

The Bachelor of Arts degree requires completion of all University requirements (new freshman students starting in the 2008-2009 academic year are required to complete the General Education

([GenEd](#)) curriculum; new transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum) and School requirements, with a minimum of 124 semester hours. The major requires completion of 14 courses with 43 s.h. minimum in the major. There is a maximum of 71 s.h. allowed in SCT. Students must earn a "C-" or better in all courses required for the major and a minimum 2.0 GPA in the major.

All Communications majors must take the following eight courses:				
Department	Course #	Course Name	Hours	RCI
BTMM	1011	Mass Communication Theory	4	
BTMM	1655	Introduction to Media Management & Organization	3	
FMA	1172	Introduction to Film & Video Analysis	3	
JOURN	1111	Journalism & Society	3	IN
JOURN	1196	Writing for Journalism	3	WI
STOC	1111	Public Speaking	3	
Theater	1002	Theater: The Collaborative Art	3	AR
COMM+TH	4111	Communications Senior Seminar	3	

- Distribution Requirement: Three SCT courses from three different departments. If numbered 2000 and above, these courses can also satisfy the level requirements below.
- Required SCT Course Levels:
 - 2000 or above: Minimum four courses and 12 credits.
 - 3000 or above: Minimum two courses and 6 credits, including a writing-intensive course. (Internships, Independent Studies and Senior Seminar are excluded from this category).
- Permission of the instructor may be required for Main Campus upper-division production courses because of space limitation. Prerequisites in all departments apply.
- At least four courses (12 credits) outside of SCT must be taken at the 2000 level or higher.
- No more than 8 s.h. in Kinesiology (physical education activity) or dance courses may be credited toward the degree.
- Students may participate in study abroad programs.
- Transfer students are required to complete a minimum of 24 s.h. of major courses at Temple.
- No more than 21 s.h. may be taken in any one department outside of SCT and counted toward the major (This will allow for non-SCT minors, if desired.)
- A maximum of 27 s.h. in any one SCT department may be counted toward the degree.
- A maximum of 4 s.h. of Internship credit may be counted toward the degree.
- A maximum of 8 s.h. combined of Independent Study and or Special Projects may be counted toward the degree.

Communications majors may minor in established SCT minors subject to the policies of the individual department. The Communications student who declares a minor must complete the entire program requirements for both the major and the minor, with only the Communications Major introductory required courses listed above fulfilling both the major and minor requirements. Courses in a minor department above the minimum minor requirement may be used to fulfill Communications Major degree requirements.

Film & Media Arts

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The Film and Media Arts (FMA) Program focuses on the development of creative and technical skills in film, video, audio, digital media, and new technologies, and the theoretical understanding of media and culture. The program recognizes and explores the creative tension between individual expression and the social, political, and economic forces that shape culture at large through the creation and study of film, video, and new media.

Students are trained in developing meaningful content as well as craft, theory, and practice. In learning independent and mainstream approaches to production and theory, graduates will be prepared to develop their own independent productions and to assume a creative role in the motion picture, television and media industries.

FMA faculty have received the Oscar, Emmy, Guggenheim, Rockefeller, NEA, Fulbright, Sundance and international film awards and are authors of some of the important texts in the field. The department also brings in guest media makers and visiting professors from diverse backgrounds for special lectures and workshops. Students may select elective courses from throughout the university, including other departments in the School of Communications and Theater, in such areas as journalism and theater. A highly-recognized graduate program offers undergraduates numerous opportunities to work on advanced productions and participate in advanced research, exhibition and creative work in the field.

Faculty Mentoring

FMA faculty strongly believe in the importance of close mentoring. This is particularly important in a department that focuses on individual and collaborative expression. Upon entering the department, each student will be assigned a faculty mentor who will guide the student through his/her four years at Temple. The faculty and external jurors review student work submitted to yearly screenings and as portfolios for Senior Project.

Special Programs and Internships

The Film and Media Arts Department offers special programs for study and research in London, Rome, and Tokyo. FMA has an extensive internship program throughout the year in Philadelphia (the fourth largest media market in the country), and in Los Angeles during the summer. Additionally, many organizations in New York, New Jersey, Delaware and Washington, D.C. provide regular opportunities for student professional internships.

Summary of Requirements for the Degree of Bachelor of Arts in Film and Media Arts

The Bachelor of Arts degree may be conferred upon a student majoring in Film and Media Arts by recommendation of the faculty and upon satisfactory completion of a minimum of 124 credit hours. Students must complete:

1. University requirements:

- New freshman students starting in the 2008-2009 academic year are required to complete the General Education ([GenEd](#)) curriculum.
- New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.
- All students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed below and identified with the code "WI" in the RCI column.

2. School of Communications and Theater requirements

3. At least 42 credits and a maximum of 58 credits earned in one of the Film and Media Arts sequences.

The number of credits taken in the School of Communications and Theater is limited to 71 credits. A student must earn a grade of "C" or better in all Film and Media Arts courses that count towards the degree.

Maintaining Program Performance

Prerequisites to entrance and graduation from the Production and Media Culture Thesis sequences require students to maintain a GPA of at least 3.0 calculated in all courses taken in the university. Students who have earned at least a 2.0 GPA may enter and graduate in the General sequence. Students with an average under 2.0 may not continue in the FMA program. Students may take up to 4 of the 42 FMA credits as an internship.

FMA Foundation Courses

Film and Media Arts students will complete the following courses by the end of the sophomore year:

Department	Course #	Course Name	Hours	RCI
FMA	1141	Media Arts I	4	
FMA	1142	Media Arts II	4	
FMA	1171	Media & Culture	3	
FMA	1172	Introduction to Film & Video Analysis	3	

At the completion of these courses, students will choose to enter the Production Thesis (leading to a Senior Project), the Media Culture Thesis, or the General sequence (no thesis required).

Production Thesis Sequence

Sequence Directors:

Eran Preis

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Elisabeth Subrin

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This sequence educates prospective media makers, writers, and new technology practitioners to take creative control of their own work. It emphasizes students' initiative in creating individual or collaborative projects that serve as an expression of their personal vision and voice. Students can enter this sequence to work on their own project or as a collaborator with equal creative responsibility on a colleague's project.

The Production Thesis sequence builds to a two-semester senior capstone course in which each student, working with close faculty guidance, finishes a project and production book. Media work must be presented publicly at the end of the year program screenings.

Students may enter this sequence if they earn a 3.0 or higher in the FMA foundation courses and in all of their other FMA classes. Completion of this sequence requires *Senior Projects I and II* and is based on the grade requirements listed above, along with faculty acceptance of the Senior Project application portfolio (which includes a proposal or script, and a work sample) submitted in March of the student's junior year.

Production Thesis Sequence

Department	Course #	Course Name	Hours	RCI
FMA	2241	Film Making	4	
		or		
	2242	Videography		
		or		
	2451	Experimental Video & Multi-Media		
FMA	xxxx	Writing for Media	4	WI*
FMA		Production Elective	4	
FMA		Studies Elective	3/4	
FMA	4241	Senior Project I	4	
FMA	4242	Senior Project II	4	
FMA		Advanced Writing Intensive Elective	4	WI

* pending approval

Media Culture Thesis Sequence

Paul Swann, Sequence Director

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This sequence explores the role of media in American culture. The critical exploration of technology, economic and legal factors, social history, and institutions highlights the processes through which media culture affects identity construction and social change. Students who choose this sequence develop critical, analytical, and organizational skills in linking media culture to such arenas as community-based organizations and museums, schools, media resource centers, and the multicultural community of independent film and video producers.

The Media Culture Thesis sequence builds to a two-semester capstone course in which each student completes a written research-based thesis on media culture criticism and/or history or a producible script for reality-based media programming. Students may enter this sequence if they earn at least a 3.0 GPA in the FMA foundation courses.

Students who do not meet the above requirement may petition to enter this sequence based on a review of their written work. The petition must be received by the Media Culture sequence director no later than the third week of the semester prior to the semester when the student would be taking the senior thesis course.

Media Culture Thesis Sequence

Department	Course #	Course Name	Hours	RCI
FMA	2241	Film Making	4	
		or		
	2242	Videography		
		or		
	2451	Experimental Video & Multi-Media		
FMA	3671	Theory & Practice of Media Culture	4	
FMA		2000 or higher level Production or Studies Elective * (with faculty advisor's approval)	4	WI
FMA		2000 or higher level Production or Studies Elective (with faculty advisor's approval)	4	
FMA	xxxx	Senior Media Culture Thesis I**	4	WI
FMA	xxxx	Senior Media Culture Thesis II	4	WI
FMA		3000 or higher level Production or Studies Elective	4	
*A middle-level Writing-Intensive course is required of students entering the university under the General Education program.				
**Serves as a required advanced Writing-Intensive course.				

General Sequence

Michael Kuetemeyer, Sequence Director
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This sequence is designed for students who wish to have a more general approach to the major or wish to conclude the degree with something other than a year-long capstone film or a supervised written thesis. After completing the FMA core, students must take one production or writing course in either Filmmaking, Videography, Experimental Video or Media Writing, along with one 2000-level or higher studies course. Students then design their own program with approval of their advisors, choosing a range of middle- and upper-level courses that complete a balanced approach to media study and production. The program requires at least one middle-level writing-intensive course, one advanced writing-intensive course, one advanced studies course and one advanced course in studies or production. Students may progress through the General sequence if they have a 2.0 cumulative average and grades of C or better in the FMA foundation courses.

General Sequence

Department	Course #	Course Name	Hours	RCI
FMA	2241	Film Making	4	
		<i>or</i>		
	2242	Videography		
		<i>or</i>		
	2451	Experimental Video & Multi-Media		
FMA		2000 or higher level Studies Course (with faculty advisor's approval)	4	
FMA		2000 or higher level Studies <i>or</i> Production Elective (with faculty advisor's approval)	4	WI
FMA		Advanced Writing-Intensive Elective	4	WI
FMA		3000 or higher level Studies Elective (with faculty advisor's approval)		
FMA		3000 or higher level Production Elective (for which the student has completed the prerequisites)	4	
		<i>or</i>		
		3000 or higher level Studies Elective (with faculty advisor's approval)	4	

Journalism

Andrew Mendelson, Ph.D., Department Chair

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www.temple.edu/journalism/

The curriculum for Journalism is based on developing critical thinking in students for a multimedia, urban journalistic environment. This requires a broad educational background coupled with rigorous professional training. The curriculum emphasizes subject matter from other disciplines, particularly those in the traditional liberal arts. The department also believes that effective writing is central to communication and is, therefore, integral to the department curriculum.

Graduates of the program will develop:

1. Strong skills in reporting, writing, photography, audio/video newsgathering, print and web editing and design.
2. The ability to critically analyze past and present trends of journalism and to help craft alternative forms of journalism for the future.
3. A strong sense of ethical responsibility and the knowledge necessary for ethical decision-making.
4. An understanding of digital and interactive media technologies.
5. The ability to provide information in multimedia formats.
6. A culture of collaboration through team reporting....
7. ...in order to tell stories emanating from a diverse urban environment.
8. A keen understanding of the increasingly global nature of today's journalistic environment.
9. An appreciation of free expression and awareness of legal constraints guiding responsible journalism.

Students need to meet the department's foundation requirements, as well as the requirements of their chosen sequence. The Journalism sequences are: Broadcast Journalism, Magazine, News-Editorial, and Photography for the Mass Media. A capstone experience, the *Multimedia Urban Reporting Lab* (MURL), combines community journalism with multimedia storytelling.

Students who major in Journalism enter a variety of careers, including those as broadcasters, online and news reporters, news producers and managers, photographers, radio and television anchors, and magazine writers and editors.

Although students must ultimately be responsible for their own academic programs, freshmen and first-semester transfer students will first meet with a School of Communications and Theater academic advisor. During the sophomore and junior years, a student must meet at least once each year with a faculty advisor who is knowledgeable about the sequence of study the student is following.

The department has a chapter of the national journalism and mass communication honor society, Kappa Tau Alpha. Additionally, every spring the department awards thousands of dollars in scholarships to deserving majors.

There are also active student organizations affiliated with national professional organizations. Temple's Journalism Department is one of the only two programs in Pennsylvania accredited by the Accrediting Council on Education in Journalism and Mass Communication (ACEJMC).

Degree Requirements

The degree of Bachelor of Arts may be conferred upon a student majoring in Journalism by recommendation of the faculty and upon satisfactory completion of a minimum of 124 semester hours of credit with a cumulative average of 2.0 overall and in the major.

Students must meet:

1. University requirements:

- New freshman students starting in the 2008-2009 academic year are required to complete the General Education ([GenEd](#)) curriculum.
- New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.
- All students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed below and identified with the code "WI" in the RCI column.

2. School of Communications and Theater requirements

3. Major requirements in the department

Requirements for the Major

The following university-wide courses are required of Journalism majors:

Degree Requirements				
Department	Course #	Course Name	Hours	RCI
History	1101	U.S. History to 1877	3	AC
History	1102	U.S. History since 1877	3	AC
Political Science	1101	The American Political System	3	AC
Political Science	2102	American State & Local Politics	3	
<i>Plus one of the following:</i>				
Sociology	1176	Introduction to Sociology	3	IN
Geography/Urban	1021	Urban Society: Race, Class & Community	3	RN
Geography/Urban	1025	World Urban Patterns	3	IS
<i>Plus one of the following:</i>				

Economics	1001	Introduction to the Economy	3	IN
Economics	1101	Macroeconomic Principles	3	IN
Economics	1102	Microeconomic Principles	3	IN
Economics	1103	Global Economic Issues	3	IS
<i>Plus one of the following:</i>				
Statistics	2101	Statistical Methods & Concepts	3	QB
Mathematics	1013	Elements of Statistics	3	QB
Psychology	1167	Foundations in Statistical Methods	3	QB
Sociology	1167	Social Statistics	3	QB
Statistics	0826	Statistics & the News	4	GQ
Total			21	

Of the 124 semester hours required for graduation, at least 80 semester hours must be in courses outside Journalism; Broadcasting, Telecommunications, and Mass Media (BTMM); and Advertising; 65 of those credits must be in liberal arts and science courses. This limits to 15 the number of credit hours taken from Education, Business, etc., if the student plans to graduate with no more than 124 credits.

The remaining semester hours required outside the department may be taken in any department of the university except Business Education. The department also does not count towards graduation credits earned through Secondary Education 0317, Topical Studies, lower-level credits in Military Science, or the Extern Program.

Only 8 semester hours will be accepted from Kinesiology courses. No more than 30 hours may be taken in any single CLA department or other SCT department without special written permission from the Department of Journalism. These requirements are to ensure a broad-based liberal arts education for each major.

Students required to take English 0701 must complete that requirement before enrolling in Journalism 1196.

Specific Major Requirements

To receive the degree of Bachelor of Arts, students must satisfactorily complete a minimum of 124 credit hours in the university, with at least 35 credits in Journalism (depending on the sequence) but no more than 44 credits in Journalism; Broadcasting, Telecommunication and Mass Media (BTMM); or Advertising. Students are cautioned to plan their program so they do not exceed the 44-credit hour limit that is set by our accrediting body.

It is the student's responsibility to meet all course prerequisite requirements.

A maximum of 12 semester hours of Journalism-related coursework may be transferred from a program accredited by the Accrediting Council for Education in Journalism and Mass Communication. (This includes classes in public relations and advertising.) Students transferring

from all other institutions will be allowed a maximum of 9 semester hours of Journalism-related transfer credit, including Journalism 1111 (*Journalism and Society*) and Journalism 1196 (*Writing for Journalism*). Under no circumstances will credit be allowed for duplicate courses.

The department does not award credit for academic or life experience. Students with extensive experience may present evidence and petition for a waiver of department course requirements.

Journalism majors must receive a grade of C or higher in all required department and sequence courses and must maintain a minimum GPA of 2.0 in the department as well as the 2.0 overall average required by the university to qualify for graduation. Students who fall below a 2.0 average for a semester, for all department courses or in their overall university courses, will be placed on probation or academic warning, the first step toward dismissal.

Departmental Requirements for the Major

Foundation Courses				
Department	Course #	Course Name	Hours	RCI
JOURN	1111	Journalism & Society	3	IN
JOURN	1196	Writing for Journalism	3	WI
JOURN	1113	Audio/Visual Newsgathering	3	
JOURN	1114	Design for Journalism	3	
Total			12	
Advanced Courses				
Department	Course #	Course Name	Hours	RCI
JOURN	2101	Journalism Research	3	
JOURN	3101	Journalism & the Law	3	
JOURN	37xx	Studies Elective	3	
Total			9	
Capstone Course				
Department	Course #	Course Name	Hours	RCI
JOURN	4196	Multimedia Urban Reporting Lab	4	WI
Sequence Requirements				
See individual Sequence sections				
Total Number of Journalism Credits required = 35-38, depending on sequence.				

Note: Students placed into English 0701 must pass (with a C or better) the two-credit *Mass Media Writing Style Lab*, JOURN 1101. Completion of JOURN 1111 and 1196 with grades of C or better is required before students enroll in any Journalism classes numbered higher than 1111.

Broadcast Journalism Sequence

Karen Turner, JD, Director

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Students who wish to make a career in broadcast news, as a reporter, anchor, news writer, or producer should follow this course of study:

Required				
Department	Course #	Course Name	Hours	RCI
JOURN	2501	Broadcast News Writing	3	
JOURN	3501	Radio News Reporting	3	
JOURN	3502	Television News Reporting	3	
<i>Choose one of the following:</i>				
JOURN	3504	Broadcast News Documentary	3	
JOURN	3505	Experimental Journalism	3	
JOURN	3506	Broadcast News Producing	3	
Recommended Electives				
Department	Course #	Course Name	Hours	RCI
JOURN	2551	Broadcast Performance	4	
JOURN	3587	WRTI Radio News Workshop	3	
JOURN	4596	Broadcast Production Practicum - Temple Update	3	WI

Magazine Sequence

Laurence Stains, Director

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Students who wish to pursue a career in the magazine industry should follow this course of study:

Required Courses				
Department	Course #	Course Name	Hours	RCI
JOURN	2301	Introduction to Magazines	3	
JOURN	2396	Magazine Article Writing	3	WI
<i>Choose two of the following:</i>				
Department	Course #	Course Name	Hours	RCI
JOURN	3301	Magazine Article Editing	3	
JOURN	3302	Advanced Magazine Writing	3	
JOURN	3303	Magazine Design	3	

JOURN	3601	Publishing to the Web	3	
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News Editorial Sequence

Linn Washington, JD, Director
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This sequence of courses is designed for students who wish to become reporters, editors and managers of newspapers. Students are encouraged to emphasize political science, finance, urban studies and language studies in their choice of coursework outside of the department.

Required Courses				
Department	Course #	Course Name	Hours	RCI
JOURN	2201	Public Affairs Reporting	3	
JOURN	2202	Editing the News	3	
JOURN	3201	Investigative Reporting	3	
<i>Choose one of the following:</i>				
JOURN	3251	Business Writing	3	
JOURN	3252	Editorial Writing	3	
JOURN	3253	Environmental Reporting	3	
JOURN	3254	International Reporting	3	
JOURN	3255	Sports Writing	3	
JOURN	3256	Writing Humor	3	
JOURN	3601	Publishing to the Web	3	

Photography for the Mass Media Sequence

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Students who wish to make a career as a newspaper or magazine photographer or as a photography editor, should follow this course of study.

Required Courses				
Department	Course #	Course Name	Hours	RCI
JOURN	3401	Photography	4	
JOURN	3402	Photojournalism	2	
JOURN	3403	Documentary Photography	3	
JOURN	3404	Photography Seminar I	2	
JOURN	3405	Photography Seminar II	2	

Recommended Electives:				
Department	Course #	Course Name	Hours	RCI
JOURN	3707	Visual Communication	3	
JOURN	3451	Photographic Portfolio	2	
JOURN	3482	Photography Special Projects	1-4	

Suggested Semester by Semester Plan for Journalism Courses

Year 1

Department	Course #	Course Name	Hours	RCI
Fall Semester:				
JOURN	1111	Journalism & Society	3	IN
Spring Semester:				
JOURN	1196	Writing for Journalism	3	WI
JOURN	1113	Audio/Visual Newsgathering	3	
JOURN	2101	Journalism Research	3	

Year 2

Department	Course #	Course Name	Hours	RCI
Fall Semester:				
JOURN	1114	Design for Journalists	3	
JOURN	xxxx	Journalism Sequence Course	(var)	
Spring Semester:				
JOURN	xxxx	Journalism Sequence Course	(var)	

Year 3

Department	Course #	Course Name	Hours	RCI
Fall Semester:				
JOURN	37xx	Journalism Studies Elective	3	
JOURN	xxxx	Journalism Sequence Course	(var)	
Spring Semester:				
JOURN	xxxx	Elective	3	
JOURN	xxxx	Journalism Sequence Course	(var)	

Year 4

Department	Course #	Course Name	Hours	RCI
Fall Semester:				

JOURN	3101	Journalism & the Law	3	
JOURN	xxxx	Journalism Sequence Course	(var)	
<i>or</i>				
JOURN	xxxx	Journalism Elective	3	
<i>or</i>				
JOURN	4196	MURL	4	WI
Spring Semester:				
JOURN	4196	MURL (if not taken in Fall)	4	WI
<i>and/or</i>				
JOURN	xxxx	Journalism Elective	3	

New Media Interdisciplinary Concentration

The New Media Interdisciplinary Concentration (NMIC) in the School of Communications and Theater explores the expressive and communicative possibilities presented by digital media across the contexts of the established disciplines of advertising, broadcast, film, journalism, mass communication, public relations, and theater. NMIC seeks to facilitate students in both the development of a comprehensive understanding of the communication arts and an experiential exploration of the evolution of media traditions through new technologies.

The New Media Interdisciplinary Concentration is open to all SCT students. The goal of the curriculum is to provide an interdisciplinary approach to new media, exploring the creative ideas and collaborative opportunities that are emerging as new technologies evolve.

Requirements for the Concentration

NMIC requires 20 credits for completion. These credits are taken in conjunction with the requirements of the student's declared major.

- All courses must be passed with a "C."
- All prerequisites must be met, unless approved by the professor.
- Courses taken in the major may be used for both the NMIC concentration and the major.
- At least one elective must be taken outside of the major.
- Students must take at least two electives at the 3000/4000 level.

The following courses are required for the NMIC concentration:

Department	Course #	Course Name	Hours	RCI
NMIC	1451	Survey of New Media	3	
NMIC	2002	Introduction to Interdisciplinary New Media 2	3	
NMIC	4001	New Media Synthesis	4	

Students must choose 9 additional credits from NMIC Special Topics classes or media-based classes from all departments in the School of Communications and Theater that are approved by the Director of NMIC.

Students may also take approved New Media courses offered through Tyler School of Art, Boyer College of Music and Dance, and the College of Science and Technology. Students may petition the Director of NMIC to count other relevant courses towards the NMIC concentration.

Strategic & Organizational Communication

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The Department of Strategic and Organizational Communication (STOC) educates students in the theory and practice of public communication and leadership, with the primary emphasis on communication and social influence or advocacy. The department's three concentrations focus on persuasion, communication in organizations, and communication strategies for influencing internal and external audiences.

Summary of Requirements

The degree of Bachelor of Arts may be conferred upon a student majoring in Strategic and Organizational Communication by recommendation of the faculty and upon satisfactory completion of a minimum of 124 semester hours of credit with a cumulative average of 2.0 overall and in the major. Students must meet:

1. University requirements:

- New freshman students starting in the 2008-2009 academic year are required to complete the General Education ([GenEd](#)) curriculum.
- New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.
- All students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed below and identified with the code "WI" in the RCI column.

2. School of Communications and Theater requirements

3. Major requirements in the department

Department Requirements

All majors must complete at least 36 credit hours in Strategic and Organizational Communication, including the department's four core courses (12 hours). Students must earn a

"C" or better in the department's four core courses and a "C-" or better in all other courses required for the major.

STOC Major Requirements				
Department Core Requirements			(12 s.h.)	
Department	Course #	Course Name	Hours	RCI
STOC	1111	Public Speaking	3	
STOC	1112	Communicating Leadership	3	
STOC	2111	Introduction to Communication Theory	3	
STOC	2112	Strategies & Tactics of Persuasion	3	

Department Concentrations

The department offers three concentrations: Organizational Leadership, Public Communication, and Public Relations. In addition to completing the department core, students must select a concentration and complete the concentration core, advanced courses in the concentration, and courses in the other two concentrations. Students may also be required to complete courses outside the department.

Organizational Leadership Concentration

The concentration in Organizational Leadership provides students with a thorough grounding in organizational and small-group communication. Students' coursework in these areas will incorporate a special focus on both the theories and skills needed for the creation and maintenance of fruitful leader/follower relationships.

Organizational Leadership Concentration			(39 credits)	
Department Core Requirements			(12 s.h.)	
Concentration Core Requirements			(12 s.h.)	
Department	Course #	Course Name	Hours	RCI
STOC	2661	Introduction to Organizational Communication	3	
STOC	2662	Leading Groups & Team Building	3	
STOC	3663	Research Methods	3	
STOC	4879	Collaborative Advocacy (Capstone)	3	
Required Courses in other STOC Concentrations			(6 s.h.)	
Department	Course #	Course Name	Hours	RCI
STOC	2552	Introduction to Public Relations	3	
STOC	3396	Analysis of Public Discourse	3	WI
Organizational Leadership Concentration Electives			(9 s.h.)	
Department	Course #	Course Name	Hours	RCI
<i>Select three courses from the following:</i>				
STOC	2671	Leading Mediated Groups & Organizations	3	
STOC	2672	Global Communication & Leadership	3	

STOC	2696	Diverse Communication & Leadership	3	WI
STOC	3685	Internship in Organizational Leadership	3	
STOC	3774	Communicating Organizational Change (Prereq: STOC 2661)	3	
STOC	3775	Organization Networks & Networked Organizations (Prereq: STOC 2661)	3	
STOC	3796	Independent Research in Organizational Leadership	3	WI
STOC	4670	Special Topics in Organizational Leadership	3	
Recommended Courses outside the department				
Department	Course #	Course Name	Hours	RCI
AOD	1166	Interpersonal Communication through the Life Span	3	
AOD	2214	Conflict & Communication	3	
AMER ST	1042	Work in America	3	AC
History	3811	World Economy since 1945	3	
HR MGMT	2501	Introduction to Human Resource Management	3	
MIS	2101	Information Systems in Organizations	3	
PHILOS	1001	Philosophical Challenges to the Individual	3	IN
POL SCI	3155	Business & Public Policy	3	
PSYCH	2402	Foundations of Industrial & Organizational Psychology	3	
SOC	3596	Sociology of Organizations	3	WI
Special Topics and Independent Study				
Department	Course #	Course Name	Hours	RCI
STOC	3670	Special Topics in Organizational Leadership	3	
STOC	3685	Internship in Organizational Leadership	3	
STOC	3782	Independent Study in Organizational Leadership	3	
STOC	3796	Independent Research in Organizational Leadership	3	WI
STOC	4670	Special Topics in Organizational Leadership	3	

Suggested Semester-by-Semester Plan for Organizational Leadership Concentration:

First Year:

Department	Course #	Course Name	Hours	RCI
Fall Semester:				
GenEd	08xx	General Education Courses	12-17	
		Electives		
Spring Semester:				
GenEd	08xx	General Education Courses	12-17	
		Electives		

Second Year:

Department	Course #	Course Name	Hours	RCI
Fall Semester:				
STOC	1111	Public Speaking	3	
STOC	1112	Communicating Leadership	3	
STOC	2112	Strategies & Tactics of Persuasion	3	
STOC	2552	Introduction to Public Relations	3	
Spring Semester:				
STOC	2111	Introduction to Communication Theory	3	
STOC	2551	Media Information Gathering & Evaluation	3	
		<i>or</i>		
STOC	3663	Research Methods	3	

Third Year:

Department	Course #	Course Name	Hours	RCI
Fall Semester:				
STOC	2661	Introduction to Organizational Communication	3	
STOC	2671	Leading Mediated Groups & Organizations*	3	
STOC	3774	Communicating Organizational Change*	3	
STOC	3775	Organizational Networks & Networked Organizations*	3	
Spring Semester:				
STOC	2662	Leading Groups & Team Building	3	
STOC	3396	Analysis of Public Discourse	3	WI
STOC	4670	Special Topics in Organizational Leadership	3	

Fourth Year:

Department	Course #	Course Name	Hours	RCI
Fall Semester:				
STOC	2672	Global Communication & Leadership*	3	
STOC	3685	Internship in Organizational Leadership*	3	
Spring Semester:				
STOC	2696	Diverse Communication & Leadership*	3	WI
STOC	3796	Independent Research in Organizational Leadership	3	WI
STOC	4879	Collaborative Advocacy (Capstone)	3	

*Select three (3) courses from those marked with an asterisk.

Public Communication Concentration

The Public Communication concentration provides students with theory and practice in social influence. Students learn theories of advocacy in a variety of settings, gain experience in critical analysis of persuasive messages, and develop skills in creating strategic communications.

Public Communication Concentration			(36 credits)	
Department Core Requirements			(12 s.h.)	
Concentration Core Requirements			(18 s.h.)	
Department	Course #	Course Name	Hours	RCI
STOC	2222	Argumentation	3	
STOC	2296	Campaigns & Movements in America	3	WI, AC, RS
STOC	3323	Political Communication	3	
STOC	3333	Rhetorical Theory	3	
STOC	3396	Analysis of Public Discourse	3	WI
STOC	4839	Seminar in Public Communication (capstone)	3	
Required Courses in other STOC Concentrations			(6 s.h.)	
Department	Course #	Course Name	Hours	RCI
<i>Choose two courses from the following:</i>				
STOC	2552	Introduction to Public Relations	3	
STOC	2661	Introduction to Organizational Communication	3	
STOC	2662	Leading Groups & Team Building	3	
STOC	2440	Special Topics in Public Relations	3	
STOC	3440	Special Topics in Public Relations	3	
STOC	4440	Special Topics in Public Relations	3	
Recommended Courses outside the Department				
Department	Course #	Course Name	Hours	RCI
AOD	2214	Conflict & Communication	3	
English	2012	Literature & Criticism	3	
English	3811	Theories of Language & Literacy	3	
HR MGMT	3501	Power, Influence, & Negotiation	3	
PHILOS	1062	Morality & the Law	3	IN
POL SCI	2103	U.S. Public Policy Making	3	
POL SCI	3151	Public Policy Analysis	3	
Special Topics, Independent Study, and Internships				
Department	Course #	Course Name	Hours	RCI
STOC	3220	Special Topics in Public Communication	3	
STOC	3282	Independent Study in Public Communication	1-4	
STOC	3382	Independent Study in Public Communication	1-3	
STOC	3385	Internship in Public Communication	3	
STOC	4220	Special Topics in Public Communication	3	

Suggested Semester-by-Semester Plan for Public Communication Concentration:

First Year:

Department	Course #	Course Name	Hours	RCI
Fall Semester:				

GenEd	08xx	General Education Courses	12-17	
		Electives		
Spring Semester:				
GenEd	08xx	General Education Courses	12-17	
		Electives		

Second Year:

Department	Course #	Course Name	Hours	RCI
Fall Semester:				
STOC	1111	Public Speaking	3	
STOC	1112	Communicating Leadership	3	
STOC	2112	Strategies & Tactics of Persuasion	3	
Spring Semester:				
STOC	2111	Introduction to Communication Theory	3	

Third Year:

Department	Course #	Course Name	Hours	RCI
Fall Semester:				
STOC	2222	Argumentation	3	
STOC	3333	Rhetorical Theory	3	
Spring Semester:				
STOC	3323	Political Communication	3	
STOC	3396	Analysis of Public Discourse	3	WI

Fourth Year:

Department	Course #	Course Name	Hours	RCI
Fall Semester:				
STOC	2296	Campaigns & Movements in America	3	WI, AC, RS
STOC	2552	Introduction to Public Relations*	3	
STOC	2661	Introduction to Organizational Communication*	3	
Spring Semester:				
STOC	2440 <i>or</i> 3440 <i>or</i> 4440	Special Topics in Public Relations*	3	
STOC	2662	Leading Groups & Team Building*	3	
STOC	4839	Seminar in Public Communication (Capstone)	3	

*Select two (2) courses from those with an asterisk.

Public Relations Concentration

Public Relations is about using communication techniques to influence behavior and attitudes. The concentration combines public relations classes with requirements in public speaking, leadership, persuasion, and communication theory, and is satisfied through completion of 36 semester hours in the major.

Public Relations Concentration			(36 credits)	
Department Core Requirements			(12 s.h.)	
Concentration Core Requirements			(18 s.h.)	
Department	Course #	Course Name	Hours	RCI
STOC	2496*+	News Writing & Media Relations	3	WI
STOC	2551	Media Information Gathering & Evaluation	3	
STOC	2552	Introduction to Public Relations	3	
STOC	3543	Fundamentals of Public Relations Writing	3	
STOC	3596	Advanced Public Relations Writing	3	WI
STOC	4859	Public Relations Management & Problems (capstone)	3	
*Required course for all PR majors. Prerequisite for STOC 2551, 2552, 3543, 3596, and 4859.				
May take concurrently with STOC 2551 and 2552 with special permission.				
+Transfer students whose previously accepted credits do not meet this requirement may take concurrently with STOC 2551 and 2552 with special permission.				
Required Courses in other STOC Concentrations			(6 s.h.)	
Department	Course #	Course Name	Hours	RCI
<i>Select one course from the following:</i>				
STOC	2661	Introduction to Organizational Communication	3	
STOC	2662	Leading Groups & Team Building	3	
STOC	2672	Global Communication & Leadership	3	
STOC	3774	Communicating Organizational Change	3	
<i>Select one course from the following:</i>				
STOC	2222	Argumentation	3	
STOC	2296	Campaigns & Movements in America	3	WI, AC, RS
STOC	3323	Political Communication	3	
STOC	3333	Rhetorical Theory	3	
STOC	3396	Analysis of Public Discourse	3	WI
Recommended Courses outside the department				
Department	Course #	Course Name	Hours	RCI
JOURN	3101	Journalism & the Law	3	
Marketing	2101	Marketing Management	3	

POL SCI	1101	The American Political System	3	AC
PSYCH	1061	Psychology as a Social Science	3	IN
Special Topics, Independent Study, and Internships				
Department	Course #	Course Name	Hours	RCI
STOC	2440	Special Topics in Public Relations	3	
STOC	3440	Special Topics in Public Relations	3	
STOC	4440	Special Topics in Public Relations	3	
STOC	3483	Directed Readings in Public Relations	3	
STOC	3582	Independent Study in Public Relations	3	
STOC	3585	Internship in Public Relations	3	

Suggested Semester-by-Semester Plan for Public Relations Concentration:

First Year:

Department	Course #	Course Name	Hours	RCI
Fall Semester:				
GenEd	08xx	General Education Courses	12-17	
		Electives		
Spring Semester:				
GenEd	08xx	General Education Courses	12-17	
		Electives		

Second Year:

Department	Course #	Course Name	Hours	RCI
Fall Semester:				
STOC	1111	Public Speaking	3	
STOC	2296	Campaigns & Movements in America	3	AC, RS, WI
STOC	2496	News Writing & Media Relations	3	WI
Spring Semester:				
STOC	2111	Introduction to Communication Theory	3	
STOC	2552	Introduction to Public Relations	3	

Third Year:

Department	Course #	Course Name	Hours	RCI
Fall Semester:				
STOC	1112	Communicating Leadership	3	
STOC	2551	Media Information Gathering & Evaluation	3	
STOC	2661	Introduction to Organizational Communication	3	
STOC	3333	Rhetorical Theory	3	
Spring Semester:				

STOC	2112	Strategies & Tactics of Persuasion	3	
STOC	2662	Leading Groups & Team Building	3	
STOC	3543	Fundamentals of Public Relations Writing	3	

Fourth Year:

Department	Course #	Course Name	Hours	RCI
Fall Semester:				
STOC	2222	Argumentation	3	
STOC	2672	Global Communication & Leadership	3	
STOC	3596	Advanced Public Relations Writing	3	WI
STOC	3774	Communicating Organizational Change	3	
Spring Semester:				
STOC	3323	Political Communication	3	
STOC	3396	Analysis & Public Discourse	3	
STOC	4859	Public Relations Management & Problems	3	

Theater

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The Theater Department is accredited by the National Association of Schools of Theatre (NAST) and is a member of the United Resident Theatre Association (U/RTA). These affiliations characterize it as amongst an elite group of highly-recognized Theater Programs. The Theater Department was ranked among the top 25 theater programs in the nation by the *U.S. News & World Report's* rankings.

The undergraduate curriculum in theater is designed to provide the highest quality professional training within a rigorous comprehensive liberal arts setting. Through the study and practice of the arts, craft and scholarship of theater, we aspire to instill in our students a passion for artistic leadership, creative communication and lifelong learning. We are committed to being a vital

cultural force in the diverse community of Temple University, the Philadelphia region and the world.

Our department strives to be characterized by professional excellence, academic depth and breadth, community involvement and international engagement. Students are challenged to learn and create in a wide variety of classroom and production situations. Opportunities are plentiful on campus, in the community and in Philadelphia, one of the most important of America's theater centers.

As a theater department in the heart of a culturally rich urban setting, Temple University's Theater Department is immersed in and among some of the most important regional and national theaters in the country. This bountiful artistic environment benefits our undergraduate students. There are many theater professionals on faculty who serve as guest artists, advisors, mentors and collaborators. Temple graduates are involved in nearly every major theater endeavor in the Philadelphia metropolitan area.

The objective of the undergraduate curriculum is to develop within students the creative, cognitive, communication and entrepreneurial skills that will prepare them as citizens of the world and artists contributing to the development of the future of theater in the 21st century. We hope to inspire our students to fulfill their creative potential within an ever more interdisciplinary artistic environment that is responsive to tomorrow's marketplace and the future needs of our multiple communities.

The undergraduate curriculum is intended to combine outstanding liberal arts classes with intensive theater studies. The department requires that all undergraduate students take a foundation of broad-based theater classes and also have the opportunity for more specialized theater studies as they progress through the program. Students also participate in the extensive department production programs. These opportunities onstage, front of the house, and backstage are a natural and important extension of classroom work.

The successful student graduates from the program with excellent communication skills, a broad-based liberal arts background, developed abilities within the discipline of theater, the appreciation of a commitment to artistry, and the life-learning capacities that will enable success in a wide variety of future endeavors. Our alumni are not only successful artists in theater and all of the entertainment industries, but they are also leaders in many other fields.

Faculty Advising and Mentoring

Advising is an important part of the education of students in Theater. Undergraduate majors are first assigned to the School of Communications and Theater Academic Advising Center and later to a Theater faculty advisor within the department. Students are encouraged to consult their advisor on academic matters. In addition to assigned advisors, the chair of the department maintains an open-door policy, and other members of the faculty and staff are happy to mentor students who seek their advice regarding production experiences and career objectives.

Summary of Requirements for the Degree of Bachelor of Arts in Theater

The Bachelor of Arts degree in Theater may be conferred upon a student by recommendation of the faculty and by satisfactory completion of a minimum of 124 credit hours. Students must complete:

- University requirements: All students are required to complete a set of university requirements: General Education (GenEd) or Core. New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum. New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.
- All students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed below and identified with the code "WI" in the RCI column.
- Theater Department foundation courses with a grade of C or better in each course
- Completion of a minimum of 53 semester hours outside of the School of Communications and Theater.
- No more than 20 credits of work in the major field may be transferred from another institution. Students must complete at least 16 semester hours in Theater courses at Temple University.
- All Theater majors must pass the placement tests in English and mathematics. A student who fails any one of these tests must successfully complete English 0701 and the required mathematics course(s).

Theater Foundation Courses

Department	Course #	Course Name	Hours	RCI
Theater	1003	Creativity: Basic	3	
Theater	1096	Introduction to Theater Process	3	WI
Theater	1231	Introduction to Acting	3	
Theater	1411	Welcome Backstage	3	
Theater	2411	Introduction to Design	3	
Theater	3001	Theater History I	3	
Theater	3002	Theater History II	3	
Theater	4097	World of the Play	3	WI
Theater	1087	Production Practicum (1 s.h. each semester the student is enrolled as a major.)	Up to 8	
Art History	Elective	One course (may also satisfy the University General Education or Core Curriculum Arts requirement.)	3	
Required Elective		One course in non-dramatic literature	3	
Required Elective Concentration		9 semester hours in any one department, preferably in the Arts or an interdisciplinary study approved by the Theater Department advisor and chair.	9*	

Note: *The concentration may include the required course in art history or the required course in non-dramatic literature. It may not include English 0802, 0812, 0902, 1002, 1012 or 1022.

Theater majors are advised to select courses that will best prepare them to succeed in the future. Toward this end, students may select courses according to their particular interests through the Theater Studies Sequence or choose from four Theater Concentrations: Acting, Design, Directing, or Musical Theater.

Theater Studies Sequence

The Theater Studies Sequence prepares students to enter graduate programs or pursue careers in theater, other entertainment industries, or other fields. It is within this sequence that entrepreneurial students, the student who wishes to explore future interdisciplinary linkages, or those most interested in play writing, might best fit. The student who follows the Theater Studies Sequence may select any courses offered by the department as long as required prerequisites are completed with applicable proficiencies as indicated in some courses, by a grade of B or better.

Theater Studies Sequence students must complete the Theater Foundation Courses. However, they are encouraged to meet with a Theater Department faculty member to discuss their goals and what selection of courses might best prepare them to achieve their professional aspirations after graduation.

Acting Concentration

The Acting Concentration prepares students to enter graduate acting programs or pursue professional careers in theater, television and film. The coursework provides the highest caliber of training possible with the context of a liberal arts education, so students can thrive either in a graduate conservatory program or in the profession. Through intensive and varied classes in acting, combined with experiential work in minimalist to full-scale productions, students develop the skills needed for creative communication and artistic leadership, tools they will need to pursue their professional goals.

Notes:

1. In order for the student to progress to the next level of study, prerequisites for admission to some classes are required.
2. In order for the student to take Acting courses beyond Theater 2261 (*Basic Acting Technique*), qualifying through an audition process is required.
3. Some Voice, Movement, Speech, and Acting classes may be repeated for credit.
4. Performance courses are available to those students electing the Acting Concentration and to other students in the department who meet the prerequisite requirements.
5. Certification officials from the Society of Fight Directors are invited to the final projects of *Swordplay for the Actor* classes, and some students receive certification in various combat specialties.

Required Courses in addition to the Foundation Courses:

Department	Course #	Course Name	Hours	RCI
Theater	2221	Voice for the Actor	3	

Theater	2231	Speech for the Actor	3	
Theater	2241	Basic Movement	3	
Theater	2261	Basic Acting Technique	3	
Theater	3271	Intermediate Acting	3	
Theater	4211	Advanced Acting	3	
Theater	4222	U/RTA & MFA Program Prep Class	3	

Plus an additional four required electives from the following list of Acting Concentration courses:

Department	Course #	Course Name	Hours	RCI
Theater	2251	Movement for the Actor I	3	
Theater	2252	Alexander Technique	3	
Theater	2271	Speech for the Actor/Dialects	3	
Theater	3132	Musical Theater Voice & Acting	3	
Theater	3210	Theater Workshop	3	
Theater	3220	Theater Workshop	3	
Theater	3241	Combat & Stunts for the Actor	3	
Theater	3278	Acting for Film & TV	3	
Theater	3301	Introduction to the Director's Art	3	
Theater	4241	Swordplay for the Actor	3	
Theater	4299	Thesis: One-Act Play Festival	4	

For students who transfer from other departments, schools and universities, there are several alternative routes to fulfill the Acting Concentration that can be discussed with your Theater advisor and/or the head of the Acting Program.

Suggested 4 Year Plan of Study for Theater Foundation/Acting Concentration Courses
(Required Concentration courses are in **Bold**; suggested electives are in *Italics*.)

Semester One

Department	Course #	Course Name	Hours	RCI
Theater	1231	Introduction to Acting	3	
Theater	2221	Voice for the Actor	3	
Theater	1003	Creativity: Basic	3	
Theater	1087	Production Practicum	1	

Semester Two

Department	Course #	Course Name	Hours	RCI
Theater	2261	Basic Acting Technique	3	
Theater	2231	Speech for the Actor	3	
Theater	1096	Introduction to Theater Process	3	WI

Theater	1087	Production Practicum	1	
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Semester Three

Department	Course #	Course Name	Hours	RCI
Theater	2241	Basic Movement	3	
Theater	3210	Theater Workshop	3	
		(or Elective)		
Theater	1411	Welcome Backstage	3	
Theater	1087	Production Practicum	1	

Semester Four

Department	Course #	Course Name	Hours	RCI
Theater	3271	Intermediate Acting	3	
Theater	2411	Introduction to Design	3	
Theater	1087	Production Practicum	1	

Semester Five

Department	Course #	Course Name	Hours	RCI
Theater	4211	Advanced Acting	3	
Theater	2251	Movement for the Actor I	3	
		(or elective)		
Theater	3220	Theater Workshop	3	
		(or elective)		
Theater	3001	History of the Theater I	3	
Theater	1087	Production Practicum	1	

Semester Six

Department	Course #	Course Name	Hours	RCI
Theater	2271	Speech for the Actor/Dialects	3	
		(or elective)		
Theater	3241	Combat & Stunts for the Actor	3	
		(or elective)		
Theater	3002	History of the Theater II	3	
Theater	1087	Production Practicum	1	
English		Non-Dramatic Literature requirement	3	
Various		Arts Exploratory Concentration I requirement	3	

Semester Seven

Department	Course #	Course Name	Hours	RCI
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Theater	4222	U/RTA & MFA Program Prep Class	3	
Theater	4097	World of the Play	3	WI
Theater	2252	Alexander Technique	3	
		(or elective)		
Theater	1087	Production Practicum	1	
Various		Arts Exploratory Concentration II requirement	3	

Semester Eight

Department	Course #	Course Name	Hours	RCI
Theater	3278	Acting for Film & TV	3	
		(or elective)		
Theater	3210	Theater Workshop	3	
		(or elective)		
Theater	1087	Production Practicum	1	
Art History		Art History requirement	3-4	
Various		Arts Exploratory Concentration III requirement	3	

Design/Technology Concentration

The Design/Technology Concentration prepares students to enter graduate Design or Technology Programs or pursue professional careers in theater, television and film. The coursework provides the highest caliber of training possibilities within the context of a liberal arts education, so students can thrive either in a graduate conservatory program or in the profession. Through intensive and varied classes in design and technology, combined with experiential hands-on work with creative teams for full-scale and minimalist productions, students develop the skills needed for creative communication and artistic leadership - tools they will need to pursue their professional goals.

Note: In order for the student to progress to the next level of study, prerequisites for admission to some classes are required.

Note: The 9 semester-hour Elective Concentration for Design Concentration students must be three courses in one of the following areas: Visual Art or a behavioral science such as Psychology or Anthropology.

Required Courses in addition to the Foundation Courses:

Department	Course #	Course Name	Hours	RCI
Theater	2411	Introduction to Design	3	
Theater	2711/12	Drawing & Rendering Techniques I/II	6	
Theater	3611/12	History of Costume & Architectural Decor I/II	6	
Theater	4711	History of Modern Scenic Design	3	
Theater	2511	Introduction to Lighting for the Theater	3	
Theater	2721	Scene Design I	4	

Theater	2612	Costume Design I	3	
Theater	3191	Research	1	

An additional 9 credits must be taken from the following courses:

Department	Course #	Course Name	Hours	RCI
Theater	2441	Stage Management I	3	
Theater	2611	Make-Up	3	
Theater	4511	Creativity in Lighting	3	
Theater	2421	Creative Sound Technique	3	
Theater	3421	Technical Direction for the Theater	3	
Theater	3431	Scene Painting I	3	
Theater	3432	Scene Painting II	3	
Theater	3621	Costume Production	3	
Theater	3622	Draping & Flat Pattern Drafting	3	
Theater	4582	Lighting Design	3	
Theater	4611	Costume Design II	4	
Theater	4782	Scene Design	3	

Note: The concentration must total a minimum of 35 semester hours beyond the Foundation Courses.

Suggested 4 Year Plan of Study for Theater Foundation & Design/Technology Concentration Courses

(Required Concentration courses are in **Bold**)

Semester One

Department	Course #	Course Name	Hours	RCI
Theater	1003	Creativity: Basic	3	
Theater	1411	Welcome Backstage	3	
Theater	1231	Introduction to Acting	3	
Theater	1087	Production Practicum	1	

Semester Two

Department	Course #	Course Name	Hours	RCI
Theater	1096	Introduction to Theater Process	3	WI
Theater	2411	Introduction to Design	3	
Theater	1087	Production Practicum	1	

Semester Three

Department	Course #	Course Name	Hours	RCI
Theater	2711	Drawing & Rendering Techniques I	3	
Theater	3001	History of the Theater I	3	
Theater	1087	Production Practicum	1	

Semester Four

Department	Course #	Course Name	Hours	RCI
Theater	2712*	Drawing & Rendering Techniques II	3	
Theater	2721	Scene Design I	4	
Theater	1087	Production Practicum	1	
* pending approval				

Semester Five

Department	Course #	Course Name	Hours	RCI
Theater	3002	History of the Theater II	3	
Theater	3611	History of Costume & Architectural Decor I	3	
Theater	4711	History of Modern Scenic Design	3	
Theater	1087	Production Practicum	1	

Semester Six

Department	Course #	Course Name	Hours	RCI
Theater	4097	World of the Play	3	WI
Theater	3612*	History of Costume & Architectural Decor II	3	
Theater	1087	Production Practicum	1	
Art History		Art History Requirement	3-4	
English		Non-Dramatic Literature requirement	3	
Various		Arts Exploratory Concentration I requirement	3	
*pending approval				

Semester Seven

Department	Course #	Course Name	Hours	RCI
Theater	2612	Costume Design I	3	
Theater	3191	Research	1	
Theater	1087	Production Practicum	1	
Various		Arts Exploratory Concentration II requirement	3	

Semester Eight

Department	Course #	Course Name	Hours	RCI
Theater	2511	Introduction to Lighting for the Theater	3	
Theater	1087	Production Practicum	1	
Various		Arts Exploratory Concentration III requirement	3	

Directing Concentration

The Directing Concentration prepares students to enter graduate directing programs or pursue professional careers in theater, television and film. The coursework provides the highest caliber of training possible within the context of a liberal arts education, so students can thrive either in a graduate conservatory program or in the profession. Through intensive and varied classes combined with experiential work in minimalist to full-scale productions, students develop the skills needed for creative communication and artistic leadership, tools they will need to pursue their professional goals.

Notes:

1. In order for the student to progress to the next level of study, prerequisites for admission to some classes are required.
2. The Arts Exploratory Concentration for directors, 9 s.h. in the Foundation courses, must be three courses in one of the following areas: Music, Dance, Visual Art, or a behavioral science such as Psychology or Anthropology.

Additional Courses Required for the Directing Concentration:

Department	Course #	Course Name	Hours	RCI
Theater	4511	Creativity in Lighting	3	
Theater	2241	Basic Movement	3	
Theater	2261	Basic Acting Technique	3	
	or	or		
	3132	Musical Theater Voice & Acting	3	
Theater	3241	Combat & Stunts for the Actor	3	
Theater	2441	Stage Management I	3	
Theater	3051	Modern Directions	3	
Theater	3301	Introduction to the Director's Art	3	
Theater	4301	Advanced Directing	4	
Theater	3191	Research	2	
Theater	4711	History of Modern Scenic Design	3	
	or	or		
	2721	Scene Design I	4	
	or	or		
	2612	Costume Design I	3	

Theater	4003	Production Dramaturgy	3	
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Suggested 4 Year Plan of Study for Theater Foundation/Directing Concentration Courses:
(Required Concentration courses are in **Bold**.)

Semester One

Department	Course #	Course Name	Hours	RCI
Theater	1003	Creativity: Basic	3	
Theater	1231	Introduction to Acting	3	
Theater	1411	Welcome Backstage	3	
Theater	2241	Basic Movement	3	
Theater	1087	Production Practicum	1	

Semester Two

Department	Course #	Course Name	Hours	RCI
Theater	1096	Introduction to Theater Process	3	WI
Theater	2441	Stage Management I	3	
Theater	1087	Production Practicum	1	

Semester Three

Department	Course #	Course Name	Hours	RCI
Theater	2411	Introduction to Design	3	
Theater	2261	Basic Acting Technique	3	
Theater	1087	Production Practicum	1	

Semester Four

Department	Course #	Course Name	Hours	RCI
Theater	3001	History of the Theater I	3	
Theater	3241	Combat & Stunts for the Actor	3	
Theater	1087	Production Practicum	1	

Semester Five

Department	Course #	Course Name	Hours	RCI
Theater	3002	History of the Theater II	3	
Theater	4511	Creativity in Lighting	3	
Theater	3301	Introduction to the Director's Art	3	
Theater	3051	Modern Directions	3	
Theater	1087	Production Practicum	1	

Semester Six

Department	Course #	Course Name	Hours	RCI
Theater	4097	World of the Play	3	WI
Theater	2721	Scene Design I	4	
Theater	1087	Production Practicum	1	
Art History		Art History Requirement	3-4	
English		Non-Dramatic Literature Requirement	3	
Various		Arts Exploratory Concentration I requirement	3	

Semester Seven

Department	Course #	Course Name	Hours	RCI
Theater	4301	Advanced Directing	4	
Theater	3191	Research	2	
Theater	1087	Production Practicum	1	
Various		Arts Exploratory Concentration II requirement	3	

Semester Eight

Department	Course #	Course Name	Hours	RCI
Theater	4003	Production Dramaturgy	3	
Theater	1087	Production Practicum	1	
Various		Arts Exploratory Concentration III requirement	3	

Musical Theater Concentration

The Musical Theater Concentration prepares students to pursue professional careers in musical theater, theater, television and film, or to pursue graduate study. The coursework provides the highest caliber of training possible within the context of a liberal arts education, so students can thrive either in a graduate conservatory program or in the profession. Through intensive and varied classes combined with experiential work in minimalist to full-scale productions, students develop the skills needed for creative communication and artistic leadership, tools they will need to pursue their professional goals.

Notes:

1. In order for the student to progress to the next level of study, prerequisites for admission to some classes are required.
2. The director of Musical Theater, Dance and/or Movement Professors, and a representative from the Acting Program audition interested incoming theater students in the spring semester of the school year prior to the desired admission semester. Students must be selected through this audition process to gain entrance into the Musical Theater Concentration. Selection through this

process does not guarantee admission to Temple University. The audition is rigorous and includes singing, dancing and acting.

3. The Musical Theater Concentration culminates in *Musical Theater: Dress Rehearsal* (TH 4133), an intensive audition and performance seminar specially designed to prepare students for the rigorous demands of auditioning for and performing in professional Musical Theater.

4. Throughout the Musical Theater Concentration student's four years of study, workshops and seminars are made available which feature Musical Theater professionals from New York City and Philadelphia.

5. To support the Musical Theater Concentration, Temple Theaters will produce an annual musical, either in the fall or spring semester. A small musical or cabaret featuring Musical Theater Concentration students will be produced in the alternate semester.

Additional Courses Required for the Musical Theater Concentration:

Department	Course #	Course Name	Hours	RCI
Theater	2131	Music Theory/Sightsinging: Basic	2	
Theater	2231	Speech for the Actor	3	
Theater	2261	Basic Acting Technique	3	
Theater	3132	Musical Theater Voice & Acting	3	
Theater	3012	American Musical Theater History	3	
Theater	3271	Intermediate Acting	3	
Theater	4131	Musical Theater Scene Study	3	
Theater	4132	Senior Cabaret Workshop	3	
Theater	4133	Musical Theater: Dress Rehearsal	3	
Theater	2101	Ballet I for Musical Theater	1	
Theater	2121	Ballet II for Musical Theater	1	
Theater	3101	Jazz I for Musical Theater	1	
Theater	3121	Jazz II for Musical Theater	1	
Theater	4101	Tap for Musical Theater	1	
Theater	4121	Musical Theater Dance Techniques	1	
Theater	1141	Voice I for Musical Theater	1	
Theater	1142	Voice II for Musical Theater	1	
Theater	2141	Voice III for Musical Theater	1	
Theater	2142	Voice IV for Musical Theater	1	
Theater	3141	Voice V for Musical Theater	1	
Theater	3142	Voice VI for Musical Theater	1	
Theater	4141	Voice VII for Musical Theater	1	
Electives:				
Theater	4211	Advanced Acting	3	
Theater	3301	Introduction to the Director's Art	3	

Theater	4173	Writing Lyrics	3	
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Suggested 4 Year Plan of Study for Theater Foundation/Musical Theater Concentration Courses:

(Required Concentration courses are in **Bold**.)

Semester One

Department	Course #	Course Name	Hours	RCI
Music	1256	Private Voice for Non-Music Majors	1	
Theater	1003	Creativity: Basic	3	
Theater	1411	Welcome Backstage	3	
Theater	1231	Introduction to Acting	3	
Theater	1087	Production Practicum	1	

Semester Two

Department	Course #	Course Name	Hours	RCI
Theater	1141	Voice I for Musical Theater	1	
Theater	1096	Introduction to Theater Process	3	WI
Theater	2231	Speech for the Actor	3	
Theater	2261	Basic Acting Technique	3	
Theater	1087	Production Practicum	1	

Semester Three

Department	Course #	Course Name	Hours	RCI
Theater	2131	Music Theory/Sightsinging: Basic	2	
Theater	2101	Ballet I for Musical Theater	1	
Theater	3101	Jazz I for Musical Theater	1	
Theater	1142	Voice II for Musical Theater	1	
Theater	1087	Production Practicum	1	

Semester Four

Department	Course #	Course Name	Hours	RCI
Theater	3132	Musical Theater Voice & Acting	3	
Theater	2121	Ballet II for Musical Theater	1	
Theater	3121	Jazz II for Musical Theater	1	
Theater	2141	Voice III for Musical Theater	1	
Theater	1087	Production Practicum	1	

Semester Five

Department	Course #	Course Name	Hours	RCI
Theater	3001	History of the Theater I	3	
Theater	4097	World of the Play	3	WI
Theater	3271	Intermediate Acting	3	
Theater	4131	Musical Theater Scene Study	3	
Theater	2142	Voice IV for Musical Theater	1	
Theater	2411	Introduction to Design	3	
Theater	1087	Production Practicum	1	

Semester Six

Department	Course #	Course Name	Hours	RCI
Theater	3002	History of the Theater II	3	
Theater	3141	Voice V for Musical Theater	1	
Theater	3012	American Musical Theater History	3	
Theater	1087	Production Practicum	1	

Semester Seven

Department	Course #	Course Name	Hours	RCI
Theater	4132	Senior Cabaret Workshop	3	
Theater	3142	Voice VI for Musical Theater	1	
Theater	4101	Tap for Musical Theater	1	
Theater	1087	Production Practicum	1	
Various		Arts Exploratory Concentration I requirement	3	

Semester Eight

Department	Course #	Course Name	Hours	RCI
Theater	4133	Musical Theater: Dress Rehearsal	3	
Theater	4121	Musical Theater Dance Techniques	1	
Theater	4141	Voice VII for Musical Theater	1	
Theater	1087	Production Practicum	1	
Various		Arts Exploratory Concentration II requirement	3	
Various		Arts Exploratory Concentration III requirement	3	

Requirements for a Minor in Theater

The Theater Minor is designed for those students who have an interest and/or talents in the theatrical arts, but who do not wish to pursue theater as a career. Twenty credit hours of coursework are required.

Notes:

1. Transfer credits are not accepted for credit towards a minor in Theater.
2. Students must receive permission of their advisor before beginning this program.
3. Once the minor has been approved, students must follow the academic rules of the department for all theater courses.
4. Credit towards the minor is not given for theater grades below C.
5. Students must maintain at least a 2.0 GPA in the minor.
6. Students with theater averages under 2.0 for more than two semesters may be dropped from the program.
7. Students with averages under 2.0 may not begin the program.
8. The Theater Minor student should collaborate with a Theater Department advisor in the selection of coursework.

Department	Course #	Course Name	Hours	RCI
Theater	1002	The Collaborative Art	3	AR
Theater	1096	Introduction to Theater Process	3	WI
Theater	1087	Production Practicum (2 Semesters)	1/1	
Theater	3096	Classical Tradition <i>or</i>	3	WI
	3097	Romantic Tradition <i>or</i>	3	WI
	3051	Modern Directions	3	
Theater	Electives	3 courses for 3 credits each	9	

COLLEGE OF EDUCATION

Founded 1919

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Mission Statement

The College of Education at Temple University believes that education improves the lives of children and their families. By ensuring access to high-quality education and empowering all students with the tools they need to achieve, the education profession protects our democratic institutions and promotes social justice. The College of Education aims to play a critical role in promoting educational opportunity both locally and nationally.

As a result of its strategic location in North Philadelphia and its long-term history of collaboration with the School District of Philadelphia, the College of Education is uniquely situated to impact educational practice in city schools. The preparation of teachers, administrators and other school professionals to improve the quality of education, especially in urban settings, remains a core activity of the college.

College faculty conduct and promote research that addresses significant issues of national importance that have immediate practical applications. They investigate problems, evaluate strategic responses to those problems and provide evidence for new practice.

History

While the official date for the founding of the College of Education is usually given as 1919, the college has included teacher preparation as part of its curricula almost from its inception. It is clear from Temple's history that the unofficial founder of the college was Laura Carnell, who began a program for the preparation of kindergarten teachers as early as 1895. This preparation program was expanded into elementary and then secondary areas largely in response to the Philadelphia School District's decision that higher positions in the city's school system would be open only to those with a college degree. In response to this need, the college began offering two, three, and four-year programs to teachers, as well as extension work, day and evening courses, five days a week and on Saturday mornings. This intimate relationship between the college and the School District of Philadelphia characterizes almost all of the college's history. The college was one of the first institutions to schedule courses so that teachers could take them after school hours. Programs of graduate study at the master's level were introduced in 1923, with the Doctor of Education being first awarded in 1931.

The first dean of the college was George Walk, who took over "Teachers College" in 1919 from Laura Carnell (the official name was changed to the "College of Education" in 1960). At present, there are three departments in the college: Curriculum, Instruction, and Technology in Education; Educational Leadership and Policy Studies; and Psychological Studies in Education.

Historically, Temple's College of Education has had a significant impact on local and regional practice. It has always been the largest college of education in the region and one of the largest in the country. The college continues to be the major provider of teachers for the Philadelphia School District and for many suburban districts. Many principals and superintendents of the neighboring regions have received their degrees from Temple. Many of the school psychologists, counselors, educational researchers, and other education professionals have been prepared at Temple. In a very real sense, the College of Education has helped to shape the educational direction of the region.

Accreditation

Undergraduate programs in the College of Education are designed for a multitude of professional applications. While a majority of its students seek certification to teach in elementary and secondary schools, the college also has programs that prepare athletic trainers, exercise scientists, and those who seek to work in educational settings in business and industry. The

Pennsylvania Department of Education approves programs leading to certification. The Pennsylvania Department of Education maintains reciprocity agreements with many of the states in the region. The College of Education is a member of the Holmes Group, the American Association of Colleges for Teacher Education, the Association of Colleges and Schools of Education in State Universities and Land Grant Colleges, the Pennsylvania Association of Colleges and Teacher Educators, and the University Council for Educational Administration. All College of Education teacher education programs are accredited by the National Council for Accreditation of Teacher Education.

Admissions

Students are considered for admission into the College of Education upon meeting university criteria. Note, however, that admission to the College of Education does not assure admission to a teacher certification program.

To be admitted to a teacher certification program, students must satisfy the following requirements:

- Complete a minimum of 48 semester hours with a minimum overall GPA of 3.0.*
- Complete the university requirements of General Education (for new freshmen) or Core (for new transfer students), including 6 credits of mathematics and 6 credits of English (one course in English composition and one in English literature).
- Receive a grade of C or higher in courses required for the undergraduate degree at Temple.
- Receive passing scores on the Praxis I, the Pre-Professional Skills Test (PPST), in the areas of Reading (0172), Writing (0173), and Mathematics (0173). (Note: Students are required to pass with these scores in the state of Pennsylvania. Different states have different passing scores.)
- Pass a speech assessment (certified clinician; standards-based).
- Pass with a C+ or higher in the general professional education courses: EDUC 1322 and EDUC 2289 or 2489 (for Elementary Education/Special Education majors).

Students must be admitted to a certification program in order to enroll in the professional certification sequence and student teaching.

* Twelve of these credits must be taken at Temple. Students must also have completed 12 credits of coursework in education.

Transfer Students

Students who wish to transfer to the College of Education from another institution must be admitted through the Temple University Office of Undergraduate Admissions. Transfer credits will be evaluated in the Admissions Office in accordance with College of Education and university policy.

Changes in Program Requirements

Students should be aware that a major revision of most undergraduate teacher certification programs occurred for students admitted to the College of Education after July 1, 1999. In addition, the Special Education curriculum underwent further revisions in 2003. These changes have been reflected in this *Bulletin*. Students are encouraged to check with the Office of Student Services, or with the Department of Curriculum, Instruction and Technology in Education, to verify the requirements that pertain to their specific case. In addition, students should check the web version of the *Undergraduate Bulletin* for the most current information about College of Education program requirements at the Program Descriptions section, or the College of Education's web site at www.temple.edu/education.

Students admitted into the College of Education prior to July 1, 1999, and who have been continuously enrolled, are affected by the requirements in place when they were admitted.

Financial Aid, Scholarship Information

Also see [Financial Aid](#)

Special Scholarships and Aid

The Mario D. Fantini Scholarship - This is an annual scholarship renewable each year, leading to the bachelor's degree. The recipient must maintain a 3.0 GPA to be eligible for renewal each year. Bill Cosby, a University Trustee, established the scholarship with his wife, Camille, in memory of Mario D. Fantini, distinguished educator and alumnus of the university. The scholarship is designed to produce persons of excellence, committed to educational excellence for others, who transcend artificial barriers to make a difference in education. All applicants must be graduates of South Philadelphia High School and must be pursuing a career in education. The first Fantini Scholarship was awarded in 1990, for up to four years. The recipient was selected by the president of Temple from recommendations sent to a Temple scholarship committee. The faculty of South Philadelphia High School makes nominations for the scholarship. Applications may be obtained from the guidance counselors at the high school. Students who are interested in this scholarship should contact the dean of the College of Education.

Benjamin Rosner Memorial Loan Fund - Short-term emergency loans are available to undergraduate and graduate students who are degree candidates. Information and applications are available in the Advising Office, Ritter Annex, Room 238.

Dr. Alfred and Shirley Freeman Scholarship - Established in 1998 by Alfred (CLA '49, MED '53) and Shirley (EDU '47) Freeman to provide scholarships for junior or senior students majoring in elementary education who have demonstrated academic achievement and financial need.

Dr. Mildred Rice Jordan Scholarship - Established in 2002 by Mildred Rice Jordan, (EDU '65, '89) to provide scholarships for College of Education students who have a desire to teach in an urban school district.

Dalibor W. Kralovec Scholarship - Established in 1999 by a bequest from Olga Kralovec to provide scholarships for junior or senior students in the College of Education who have demonstrated academic achievement and financial need.

Dr. Margaret J. Messinger Scholarship - Established in 1999 by LeRoy J. Messinger (CLA '62) to provide scholarships for undergraduate students in the College of Education and graduate students in educational or school psychology who have demonstrated academic achievement and financial need.

Jane Adams Scholarship in Education Fund - Established in 2004 by the Andrew Allen Charitable Foundation to provide scholarships for students with an interest in embarking upon a career teaching special education.

Kenneth Brennen Scholarship Fund - Established in 2002 by Kenneth Brennen (CLA '62, '66) to provide scholarships for secondary education majors who are pursuing teacher certification in physics or chemistry and who demonstrate financial need.

Comcast-Central High School Endowed Scholarship Fund - Established in 2001 by Comcast Cable Communications, Inc., to provide scholarships for College of Education students who have demonstrated academic achievement and financial need, with preference to graduates of Central High School who have demonstrated a commitment to teach at least three years in the School District of Philadelphia.

Robert J. Flynn Endowment Fund - Established in 2000 by Robert J. Flynn (EDU '54) to provide scholarships to College of Education students who have demonstrated academic achievement and financial need.

Eva and Nathan Garfinkle Endowment Scholarship Fund - Established in 1988 by the family of Eva (EDU '33) and Nathan (EDU '31) Garfinkle to provide scholarships for junior or senior education majors who are pursuing a teaching or leadership career and have demonstrated academic achievement and financial need.

Bernard and Marie Granor Endowment Fund - Established in 1999 by Granor's children Bernard (CLA '51, LAW '53) and Marie Brichta (EDU '52) in honor of their 45th wedding anniversary, to provide an award for one or more undergraduate education majors for the purpose of purchasing books and/or other required course materials.

Edna R. Green Scholarship in Education Fund - Established in 2003 by Edna R. Green (EDU '34), to provide scholarships for secondary education students with financial need who plan to teach general science, chemistry or physics with preference given to graduates of the Philadelphia High School for Girls.

Emma Johnson Scholarship Fund - Established to provide scholarships for students majoring in elementary education.

Dilys Martha (EDU '56) and Martha Ann Jones Scholarship Fund - Established in 1996 by David T. Jones to provide scholarships for students in the College of Education who have demonstrated academic achievement and financial need.

Schlimm Family Endowed Education Scholarship Fund - Established in 2000 by Loraine Schlimm (EDU '33) and Roxanne Schlimm (SBM '34) to provide scholarships for current freshmen or incoming students in the College of Education who have demonstrated academic achievement and financial need, with preference given to graduates of Philadelphia High School for Girls.

Professional Programs & Teacher Certification

Professional Educator Programs

The College of Education strives to prepare caring, competent, and qualified professionals for educational settings. Aspiring teachers must know the content they will teach, know how to teach the content, and meet high standards of teacher professionalism. To this end, programs in the College of Education are conceptualized around the notion of valuing the diversity of individual learners. We believe in the inherent worth of learners and that in schools and classrooms, as in society, diversity is a resource for learning, not an obstacle to be overcome. The diversity of learners is addressed through the following:

- Imparting a thorough knowledge of subject matter and familiarity with the pedagogy, educational technology, and competencies essential to professional practice;
- Contributing to the development of the scientific aspect of education through emphasis on the spirit of inquiry and development of research skills;
- Promoting improvement in education as a field of both theoretical and applied scholarship;
- Evolving such types of preparations as shall ensure the broadest possible social as well as academic and professional education in a dramatically-changing world;
- Developing educational personnel able to contribute effectively in a pluralistic society;
- Discovering, through research by students and faculty, new knowledge in the field of education.

Teacher Certification

Temple provides a variety of ways to obtain certification to teach in public elementary and secondary schools. The major routes to certification are as follows:

Through undergraduate programs in the College of Education: Students who have met the university's admission criteria can request matriculation in the College of Education. There are four broad categories of teaching certificates offered through the college: Elementary Education (for teaching in elementary schools through the sixth grade); Secondary Education (in English, Foreign Language, Mathematics, Science, or Social Studies); and Career and Technical Education (formerly Vocational/Technical Education). Students who are in the Elementary Education Program must also choose an additional area of certification in either Early Childhood Education or Special Education.

Through the Five-Year Master's/Teacher Certification Program: Students who meet specific admissions criteria may be conditionally admitted into the Graduate Certification Program while still undergraduates. The Five-Year Program offers the opportunity for undergraduates from other colleges to obtain an undergraduate degree in their content area while simultaneously pursuing a master's and secondary teaching certification. Qualified students who are accepted into this competitive program enroll in graduate-level courses beginning in the fall semester of the junior year. Upon successful completion of the undergraduate degree, students make a seamless transition into graduate studies in the College of Education for one additional year. After satisfying all graduate program requirements, students are awarded a Master's in Education with teacher certification.

Through the Graduate Certification Program in the College of Education: Students who have a bachelor's degree from an accredited university in a field outside of education may earn an Intern and an Instructional I certificate in our post-baccalaureate program and a master of education degree. Programs are available in Elementary, Secondary, Special Education, and Career and Technical Education. In some cases, prerequisite courses are required.

Through undergraduate and graduate programs in other colleges: Certification in a variety of areas outside of those provided through the College of Education or through the Five-Year Teacher Certification program is provided by several other colleges. These include:

- Art - through the Tyler School of Art
- Health and Physical Education - through the College of Health Professions
- Music - through the Boyer College of Music and Dance
- Speech - through the School of Health Professions

Students who are interested in any of these certificates should contact the dean's office in the appropriate college. Information about all programs leading to certification can be found in the appropriate sections of this *Bulletin* and are indexed.

The College of Education offers an array of post-baccalaureate programs. See the [Graduate Bulletin](#) for more information.

Academic Advising Information

Patricia Louison, Director of Undergraduate Studies
215-204-8011
patricia.louison@temple.edu

The College of Education aims to provide the best possible direction and advice to all of its students. Through electronic inquiries as well as through regular, face-to-face appointments, the college tries to ensure that every student has the necessary resources to make good decisions about his/her academic program.

The advising office conducts large-group orientations for students and their families, assists students in choosing and registering for courses, evaluates students for teacher candidacy, assists students who are having academic or procedural problems, and offers direction and advice at every step of the way.

Upon enrolling in the College of Education, every student is assigned an academic advisor by the advising office. After students have been admitted to a teacher certification program, they are assigned a faculty advisor. It is strongly recommended that students meet with their advisors at least once each semester. Academic difficulties should be discussed immediately with an advisor.

For further information about the College of Education advising office, please visit the web site at www.temple.edu/education/ugrad/advising.html.

Academic Policies & Regulations

Students are responsible for complying with all university-wide academic policies that apply to their individual academic status. Additional and unique policies, or exceptions, most of them related to state requirements for teacher certification, appear below.

Grades in Professional Education Courses

All professional education courses must be completed with a grade of C or higher, with the exception of EDUC 1322 and EDUC 2289/2489, which require a C+ or higher. Students must be aware, however, that the State of Pennsylvania requires a minimum GPA of 3.0 for teacher certification. For this reason, obtaining the minimal grade of "C" will typically not be sufficient to obtain certification.

Courses Inapplicable to Certification

Specific courses are required in order for students to be endorsed for state teacher certification. It is possible, for example, that a student may have accumulated enough credits to graduate but not have the appropriate courses to be recommended for certification. This is one of the reasons why it is mandatory to meet with an academic advisor at least once per semester.

Courses Inapplicable to Graduation

Some credits from ROTC and preparatory courses do not count towards the total number of semester hours needed to graduate.

Courses Over Five Years Old

Courses over five years old are subject to review to fulfill certification requirements.

Graduation without Certification

In rare instances, a student who is unsuccessful in meeting certification program requirements or who has less than the required grade point average(s) may be graduated without certification, provided that selected additional requirements are met as recommended by the academic advisor and approved by the department chair and the associate dean.

Transfer within the College of Education

Students must be in good academic standing in their program to transfer to another program within the College of Education. To transfer to another program within the College of Education, a student must complete a Declaration of Change of Concentration form. This form is available in the Student Resource Center, Ritter Annex 150, and must be submitted, upon completion, to the Advising Office.

College Graduation Requirements

Requirements for the Degree of Bachelor of Arts

The College of Education does not award Bachelor of Arts degrees to students who have already completed an accredited first Bachelor's, Master's, or Ph.D. degree, regardless of when the degree was completed.

Students receive a Bachelor of Arts degree upon the successful completion of a minimum of 124 semester hours. These credit hours are satisfied by taking courses in three categories: (1) University requirements (General Education or Core); (2) Applied Communications major requirements; (3) elective courses.

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshman students starting in the 2008-2009 academic year are required to complete the [GenEd](http://www.temple.edu/bulletin/Academic_Programs/general_education/index.shtm) curriculum. Information about the GenEd program can be found at: www.temple.edu/bulletin/Academic_Programs/general_education/index.shtm.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](http://www.temple.edu/bulletin/Academic_programs/core/generalinfo/core_generalinfo.shtm) curriculum. Information about the Core Curriculum can be found at: www.temple.edu/bulletin/Academic_programs/core/generalinfo/core_generalinfo.shtm.

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required are listed on the [Applied Communication](#) program page and are identified by "WI" in the RCI column.

Requirements for the Degree of Bachelor of Science in Education

Students receive a bachelor of science in education degree with a recommendation to the state for teacher certification upon the successful completion of a minimum of 124 semester hours with a minimum cumulative GPA of 3.0 (**please refer to the requirements of your particular major as some programs mandate completion of more than 124 semester hours**). These credit hours are satisfied by taking courses in three categories: (1) University requirements (General Education or Core); (2) Professional Education course sequence; (3) Certification Courses (including student teaching) and program requirements.

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshman students starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for each major are listed on the individual program pages and are identified by "WI" in the RCI column.

Professional Education Requirements

In addition to fulfilling the university requirements, all undergraduate students in the College of Education must complete the Professional Education course sequence. These courses are listed below:

Bachelor of Science in Education				
Professional Course Sequence				
Department	Course #	Course Name	Hours	RCI
Education	1196	Education & Schooling in America	3	AC, WI
Education	1255	Inclusive Education for a Diverse Society	3	
Education	1322*	The Developing Individual Across the Life Span	3	
Education	2205	Curriculum Instruction & Technology in Education	3	
Education	2255	Effective Use of Instructional Technology in Classrooms	3	
Education	2289	Field Experience: Managing the Contemporary Classroom	3	
	<i>or</i> 2489**	<i>or</i> Field Experience: Special Education		
Education	2306	Assessment & Evaluation	3	
Total			21	
Note: EDUC 1322 and EDUC 2289 (or 2489) must be passed with a C+ or better.				

* Secondary Education students will take Education XXXX: *Adolescent Development* (pending approval) instead of Education 1322.

** Elementary Education/Special Education students must take Education 2489 instead of Education 2289.

Other Requirements for College of Education Students

In addition to taking the required courses above, all students seeking teacher certification through the College of Education must meet the following state requirements.

Composition/Writing and Literature:

All students must take 6 credits of English, 3 in composition/writing and 3 in literature.

Mathematics/Statistics/Logic:

All students must take two college-level mathematics courses. Courses at the Mathematics 0701 level or below are not applicable to this requirement.

Professional Certification

Areas of Certification

All curricula leading to Commonwealth certification are organized to meet the standards established by the Pennsylvania Department of Education. Certificates for which Temple University, College of Education, undergraduate students may be recommended include the following:

- Art Education (See Tyler School of Art)
- Early Childhood Education
- Elementary Education
- Health and Physical Education (See College of Health Professions)
- Music (See Boyer College of Music and Dance)
- Secondary Education
 - English
 - Foreign Language
 - French
 - German
 - Hebrew
 - Italian
 - Latin
 - Portuguese
 - Spanish
 - Mathematics
 - Science
 - Biology
 - Chemistry
 - Earth and Space Science
 - General (Natural) Science

- Physics
- Social Studies
- Special Education
- Career and Technical Education
 - Business, Computer, and Information Technology K-12 (Formerly Business Education)
 - Cooperative Education
 - Marketing Education K-12
 - Industrial (Career Technical) Education

Requirements for Certification

Graduation from the College of Education does not carry automatic endorsement for state certification. Students must complete all the requirements for teacher preparation, including student teaching; maintain a 3.0 GPA; and pass all required performance assessments (see below).

In addition, all students seeking certification are required by the State of Pennsylvania to pass the relevant parts of the Pennsylvania Teacher Certification Testing Program in order to be eligible for teacher certification. The required tests include the Praxis I and Praxis II series. Students should check with the Student Resource Center for the current regulations.

Students not obtaining Pennsylvania State Teacher certification within five years of completing their programs must take additional coursework before the College of Education will recommend them for certification.

Diagnostic Speech Assessment

Candidates for teacher certification are given a diagnostic speech assessment. Additional diagnostic testing may be required, and corrective actions may be taken, to remediate problems. Decisions about remedial efforts and student eligibility to continue in a program will be determined by the chair of the department in which the student is enrolled and approved by the associate dean of the College of Education.

Clinical Experience: Practicum and Student Teaching

The College of Education places a great deal of emphasis on students' in-school experiences. All undergraduates are required to complete courses that place them in school settings one half-day or more each week. Student teaching, generally completed in a student's final semester, constitutes the most important field experience for prospective teachers. Application for student teaching placement must be made the semester prior to student teaching.

Performance Assessment

In addition to the teacher certification tests (Praxis I and Praxis II tests) required by the Pennsylvania Department of Education, students are required to complete three performance assessments in order to gauge the extent to which they (a) know the content they will teach, (b) can teach the content, and (c) embody the professional attributes required of professional educators. The performance assessments occur at three points in the undergraduate program: initially when prospective students are being admitted to certification programs (candidacy); in the junior year, prior to student teaching (intermediate assessment); and before graduation, while

student teaching (senior assessment). In addition to assessing and informing candidates about their teaching, the performance assessments are intended for use by faculty as a tool for program evaluation.

Professional Education Portfolio

After being admitted to a teacher certification program and for the duration of the degree program, students will be required to maintain a professional education portfolio in either electronic or hard copy form. Faculty will use the portfolio to complement the performance assessment activity described above. The specific requirements for the portfolio will be available from the student's faculty advisor.

Contact Information

Office of Undergraduate Studies

Dr. Patricia Louison, Director

215-204-8011

patricia.louison@temple.edu

Student Resource Center

College of Education

150 Ritter Annex

1301 Cecil B. Moore Ave.

Philadelphia, PA 19122

215-204-8011 (phone)

215-204-4383 (fax)

Hours: 8:30 a.m. - 8:00 p.m. Monday through Thursday; 8:30 a.m. - 5:00 p.m. on Friday.

Academic Advisors

- Nita Guzman, Associate Director and Senior Advisor
215-204-6081
nguzman@temple.edu
- John Costa
215-204-5635
jcosta@temple.edu
- Amy Kimball
215-204-6010
kimball@temple.edu
- Jeannette Perez
215-204-3867
jeannette.perez@temple.edu

Contacts & Directories

Directories include name, department, office location, phone number, and preferred e-mail. The directories also include links to résumé/CV where available.

- [Office of the Dean](http://www.temple.edu/education/dean/index.html) (www.temple.edu/education/dean/index.html)
- [Faculty Directory](http://www.temple.edu/education/contact/faculty.html) (www.temple.edu/education/contact/faculty.html)
- [Staff Directory](http://www.temple.edu/education/contact/staff.html) (www.temple.edu/education/contact/staff.html)
- [Offices and Centers](http://www.temple.edu/education/contact/offices.html) (www.temple.edu/education/contact/offices.html)
- [Ombudsperson](http://www.temple.edu/education/contact/ombud.html) (www.temple.edu/education/contact/ombud.html)

If you can't locate the information you need, go to www.temple.edu/education/contact/form.html and send us an inquiry via the online form.

Faculty

For a listing of College of Education faculty, go to www.temple.edu/education/contact/faculty.html.

Applied Communication for Professional Educators

Offered as a program within Adult and Organizational Development (AOD)

Cynthia Belliveau, Coordinator
215-204-6012
cynthia.belliveau@temple.edu

This Bachelor of Arts degree program prepares students who are interested in a career in education and training, but who are not planning to pursue a conventional teacher certification track. Students in this major are provided with critical knowledge and skills in how to construct and facilitate effective learning and change processes in organizational, community, and professional contexts. Students who complete this degree pursue careers in adult learning, training and development, organizational consulting, mediation and conflict intervention, management, and educational/community leadership.

Bachelor of Arts Requirements

The College of Education does not award Bachelor of Arts degrees to students who have already completed an accredited first Bachelor's, Master's, or Ph.D. degree, regardless of when the degree was completed.

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshman students starting in the 2008-2009 academic year are required to complete the [GenEd](http://www.temple.edu/bulletin/Academic_Programs/general_education/index.shtm) curriculum. Information about the GenEd program can be found at:
www.temple.edu/bulletin/Academic_Programs/general_education/index.shtm.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](http://www.temple.edu/bulletin/Academic_programs/core/generalinfo/core_generalinfo.shtm) curriculum. Information about the Core Curriculum can be found at:
www.temple.edu/bulletin/Academic_programs/core/generalinfo/core_generalinfo.shtm.

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

Program Requirements

- Must complete 33 credit hours in the major.
- Complete the following course requirements in Adult and Organizational Development (AOD).

Required Courses				
Department	Course #	Course Name	Hours	RCI
AOD	1096	Introduction to Communication for Educators	3	WI
AOD	1166	Interpersonal Communication through the Life Span	3	
AOD	2115	Conflict Resolution in Education	3	
AOD	2176	Team Process in Education	3	
AOD	2201	Research Methods in Applied Communication	3	
AOD	2214	Conflict & Communication	3	
AOD	2215	Mediation: Principles & Practice	3	
AOD	3304	Organizational Communication	3	
AOD	3316	Negotiation Processes	3	
AOD	3376	Facilitating Group Decision-Making	3	
AOD	4396	Field Research: Practice in Professional Settings	3	WI
Total			33	

Career & Technical Education

Dr. Thomas J. Walker, Program Director
Ritter Hall 338
215-204-8374
tjwalker@temple.edu

Ms. Nancy Johnston, Certification Advisor
Ritter Hall 346
215-204-8376

The Career and Technical Education Program serves individuals working in the field of workforce development, including secondary and/or post-secondary career and technical education and technical training in industry. The following teacher education degrees/certifications are offered at the undergraduate level: business, computer and information technology education; industrial education; and marketing education.

Note: The degree and certification programs in Career and Technical Education (Business, Computer, and Information Technology Education (BCITE); Industrial Education; Marketing Education) are currently being revised to address new regulations from the Pennsylvania Department of Education (PDE). All students enrolling in any of these programs for the first time in 2008-2009 are strongly recommended to check with the Office of Student Services in the College of Education, or with the Department of Curriculum, Instruction and Technology in Education (CITE), to verify the requirements that pertain to their specific major. In addition, students should check the *Undergraduate Bulletin* web site for the most current information about these programs (Academic Programs section), or the College of Education's web site at www.temple.edu/education. It is also recommended that students meet with an advisor before enrolling in classes specific to these majors and leading to certification as a teacher. This is to assure that a candidate's intended program of study will be compatible with the new requirements.

Business, Computer, & Information Technology Education

Dr. Victor Gbomita, Program Advisor
Ritter Hall 360
215-204-6226
vgbomita@temple.edu

1. The total number of credit hours at graduation may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.
2. Certain courses fulfill multiple requirements. In consultation with advisors, students will be able to plan their curriculum more effectively.
3. Students must fulfill the necessary prerequisites for any given course or course sequence. See the [Prerequisite and Co-requisite Policy](#) in the university-wide Academic Policies section in this *Bulletin*.

The Business, Computer, & Information Technology Education (BCITE) curriculum is designed to prepare students who expect to teach business subjects in K-12 and the 2-year college level in public and private schools. Subject area content (academic specialization) and professional education content are combined with general education content (university curriculum) in order to provide the student with a general education, a field of specialization, and professional training. Moreover, the curriculum aims to combine these elements in such proportions as to give students the balanced perspective of the relation that business education bears to education as a whole.

Prior to enrolling in Student Teaching (Education 4788: *Student Teaching in Secondary Education/Career & Technical Education*), BCITE students must have completed (with a 3.0 cumulative grade point average) the general education, professional education and academic specialization course sequence requirements.

University Curriculum, Professional Education & Academic Specialization Course Requirements

Some restrictions and additions to the requirements listed above apply to students in this program.

1. All students must take English 2596 (*Writing for Business and Industry*) as an additional Writing and Composition requirement.
2. All students must take a Statistics course.

University Curriculum

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshman students starting in the academic year 2008-2009 are required to complete the [GenEd](#) curriculum.

New transfer students starting in the academic year 2008-2009 are required to complete the [Core](#) curriculum.

Professional Education

Department	Course #	Course Name	Hours	RCI
Business Education	3241	Methods of Teaching Microcomputer Applications *	3	
C/T EDU	3101	Principles of Career & Technical Education	3	
C/T EDU	3103	Curriculum in Career & Technical Education	3	
Education	1196	Education & Schooling in America	3	AC
Education	1255	Inclusive Education for a Diverse Society	3	
Education	1322	The Developing Individual Across the Life Span	3	
Education	2205	Curriculum, Instruction & Technology in Education	3	
Education	2255	Effective Use of Instructional Technology in Classrooms	3	
Education	2289	Field Experience: Managing the Contemporary Classroom	3	
Education	2306	Assessment & Evaluation	3	
Education	4788	Student Teaching in Secondary Education/ C/T EDU	9	
Education	4801	Senior Seminar & Performance Assessment	3	
Education	TBD	English Language Learner (ELL)	3	
Secondary Education	3796	Reading Problems in the Secondary School	3	WI
Special Education	TBD	TBD	3	
Subtotal			51	

* Evidence of Advanced Keyboarding Skill is required to take this course.

Academic Specialization

Department	Course #	Course Name	Hours	RCI
Accounting	2101	Financial Accounting	3	
Accounting	2102	Managerial Accounting	3	
Computer & Information Sciences	1055	Computers & Applications	4	SB
Economics	1101	Macroeconomic Principles	3	IN
English	2596	Writing for Business & Industry	3	WI
Finance	3011	Introduction to Financial Markets	3	
General & Strategic Management	3501	Entrepreneurship	3	
Human Resource Management	1101	Organization & Management	3	
International Business Administration	3101	Fundamentals of International Business	3	
Law S.B.M.	1102	Law of Contracts	3	
Management Information Systems	2101	Information Systems in Organizations	3	
Marketing	2101	Marketing Management	3	
Statistics	2103	Business Statistics	4	
Advanced Keyboarding*			NC	
Subtotal			41	

Total Hours Required for Graduation	123-126
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Note: Courses in this section have prerequisites. See an advisor or refer to the [Course Descriptions](#) section of the *Bulletin*.

* Evidence of Advanced Keyboarding Skill is required. See an advisor.

Industrial Education

Dr. Thomas J. Walker, Program Advisor
215-204-8374
tjwalker@temple.edu

Ms. Nancy Johnston, Certification Advisor
Ritter Hall 346
215-204-8376

1. The total number of credit hours at graduation may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.
2. Certain courses fulfill multiple requirements. In consultation with advisors, students will be able to plan their curriculum more effectively.
3. Students must fulfill the necessary prerequisites for any given course or course sequence. See

the [Prerequisite and Co-requisite Policy](#) in the university-wide Academic Policies section in this *Bulletin*.

The Industrial Education curriculum is designed to prepare students who expect to teach industrial education subjects in K-12 and the 2-year college level in public and private schools. Subject area content (academic specialization) and professional education content are combined with general education content (university curriculum) in order to provide the student with a general education, a field of specialization, and professional training. Moreover, the curriculum aims to combine these elements in such proportions as to give students the balanced perspective of the relation that industrial education bears to education as a whole.

Prior to enrolling in Student Teaching (Education 4788: *Student Teaching in Secondary Education/Career & Technical Education*), industrial education students must have completed (with a 3.0 cumulative grade point average) the general education, professional education and academic specialization course sequence requirements.

For certification in industrial education, there is an occupational experience and an occupational competency requirement. To become certified, the student must pass an occupational competency examination (or the equivalent) and complete two years of occupational wage-earning experience beyond the time needed to learn the occupation.

University Curriculum, Professional Education & Academic Specialization Course Requirements

Some restrictions and additions to the requirements listed above apply to students in this program.

1. All students must take English 2596 (*Writing for Business and Industry*) as an additional Writing and Composition requirement.
2. All students must take a Statistics course.

University Curriculum

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshman students starting in the academic year 2008-2009 are required to complete the [GenEd](#) curriculum.

New transfer students starting in the academic year 2008-2009 are required to complete the [Core](#) curriculum.

Professional Education

Department	Course #	Course Name	Hours	RCI
C/T EDU	3101	Principles of Career & Technical Education	3	
C/T EDU	3102	Teaching Strategies in Career & Technical Education	3	
C/T EDU	3103	Curriculum in Career & Technical Education	3	

Education	1196	Education & Schooling in America	3	AC
Education	1255	Inclusive Education for a Diverse Society	3	
Education	1322	The Developing Individual Across the Life Span	3	
Education	2205	Curriculum, Instruction & Technology in Education	3	
Education	2255	Effective Use of Instructional Technology in Classrooms	3	
Education	2289	Field Experience: Managing the Contemporary Classroom	3	
Education	2306	Assessment & Evaluation	3	
Education	4788	Student Teaching in Secondary Education/ C/T EDU	9	
Education	4801	Student Seminar & Performance Assessment	3	
Education	TBD	English Language Learner (ELL)	3	
Secondary	3796	Reading Problems in the Secondary School	3	WI
Special Education	TBD	Introduction to Inclusive School Practices	3	
Subtotal			51	

Academic Specialization

Department	Course #	Course Name	Hours	RCI
C/T EDU	4285	Field Experience in C/T EDU (Industry Education Capstone)	3	
C/T EDU	4315	Credit by Examination	24	
C/T EDU	4324	Coordination Methods for Work-Based Learning	3	
C/T EDU	4331	Instructional Methods for Work-Based Learning	3	
Economics	1101	Macroeconomics Principles	3	IN
General & Strategic Management	3501	Entrepreneurship	3	
Mathematics	TBD	(Second Level TBD)	3	
Subtotal			42	

Total Semester Hours	126-129
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Note: Matriculated students with work experience who have completed 90 s.h. of acceptable coursework may arrange through a credit by exam process/fee for up to 24 s.h. to be recorded toward their degree. Candidates without work experience may substitute Career & Technical Education 3389 in lieu of this requirement with an advisor's permission.

Marketing Education

Dr. Victor Gbomita, Program Advisor
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vgbomita@temple.edu

1. The total number of credit hours at graduation may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic

progress.

2. Certain courses fulfill multiple requirements. In consultation with advisors, students will be able to plan their curriculum more effectively.
3. Students must fulfill the necessary prerequisites for any given course or course sequence. See the [Prerequisite and Co-requisite Policy](#) in the university-wide Academic Policies section in this *Bulletin*.

The Marketing Education curriculum is designed to prepare students who expect to teach marketing subjects in K-12 and the 2-year college level in public and private schools. Subject area content (academic specialization) and professional education content are combined with general education content (university curriculum) in order to provide the student with a general education, a field of specialization, and professional training. Moreover, the curriculum aims to combine these elements in such proportions as to give students the balanced perspective of the relation that marketing education bears to education as a whole.

University Curriculum, Professional Education & Academic Specialization Course Requirements

Some restrictions and additions to the requirements listed above apply to students in this program.

1. All students must take English 2596 (*Writing for Business and Industry*) as an additional Writing and Composition requirement.
2. All students must take a Statistics course.

University Curriculum

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshman students starting in the academic year 2008-2009 are required to complete the [GenEd](#) curriculum.

New transfer students starting in the academic year 2008-2009 are required to complete the [Core](#) curriculum.

Professional Education

Department	Course #	Course Name	Hours	RCI
Business Education	3421	Methods of Teaching Microcomputer Applications	3	
C/T EDU	3101	Principles of Career & Technical Education	3	
C/T EDU	3103	Curriculum in Career & Technical Education	3	
Education	1196	Education & Schooling in America	3	AC
Education	1255	Inclusive Education for a Diverse Society	3	
Education	1322	The Developing Individual Across the Life Span	3	
Education	2205	Curriculum, Instruction & Technology in Education	3	
Education	2255	Effective Use of Instructional Technology in Classrooms	3	

Education	2289	Field Experience: Managing the Contemporary Classroom	3	
Education	2306	Assessment & Evaluation	3	
Education	4788	Student Teaching in Secondary Education/ C/T EDU	9	
Education	4801	Senior Seminar & Performance Assessment	3	
Education	TBD	English Language Learner (ELL)	3	
Secondary Education	3796	Reading Problems in the Secondary School	3	WI
Special Education	TBD	TBD	3	
Subtotal			51	

Academic Specialization

Department	Course #	Course Name	Hours	RCI
C/T EDU	4285	Field Experience in C/T EDU (Industry Education Capstone)	3	
C/T EDU	4324	Coordination Methods for Work-Based Learning	3	
C/T EDU	4331	Instructional Methods for Work-Based Learning	3	
Economics	1101	Macroeconomic Principles	3	IN
English	2596	Writing for Business & Industry	3	WI
Finance	3011	Introduction to Financial Markets	3	
General & Strategic Management	3501	Entrepreneurship	3	
Law S.B.M.	1102	Law of Contracts	3	
Marketing	2101	Marketing Management	3	
Marketing	3501	Integrated Marketing Communications	3	
Marketing	3504	Sales & Sales Management	3	
Marketing	3553	International Marketing	3	
Marketing	3596	Consumer & Buyer Behavior	3	WI
Subtotal			39	

Total Hours Required for Graduation	123-126
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Note: Courses in this section have prerequisites. See an advisor or refer to the course description section of this *Bulletin*.

Certification Programs

Cooperative Education

Dr. Chester Wichowski, Program Advisor
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School personnel interested in supervising students in work-based settings in Pennsylvania must be certified in Cooperative Education. This certification covers a variety of work-based settings for secondary students, including capstone programs, diversified occupations programs, shadowing experiences, work experience programs, internships, and job shadowing. The skill and knowledge included in this certification program also has application to post-secondary and adult settings.

Persons wishing to become teachers of cooperative education must apply to the program and provide information about their education and experiential backgrounds. Based on the information provided, a program of studies, which includes an internship, is prepared. Persons who enter this program holding a valid teaching certificate will work toward earning an "add-on" certificate in Cooperative Education, while others will work toward a "stand-alone" certificate. Persons wishing to enroll in this program should contact an advisor.

Career & Technical Certification Program

Ms. Nancy Johnston, Certification Advisor
Ritter Hall 346
215-204-8376

This curriculum, which is offered in cooperation with the Pennsylvania Department of Education, is designed to prepare persons to teach career and technical education (industrial) subjects on the secondary, post-secondary, and 2-year college levels in public and private schools. Career and Technical Teacher Education courses may be taken on three levels: certification, undergraduate, and graduate. Persons who have at least two years of work experience beyond the learning period in a trade, technical, or other selected occupation may prepare for certification to teach occupational subjects or related classes in secondary schools in Pennsylvania.

Certification students must apply and be admitted to the Industrial (Career and Technical) Education Certification Program. All certification students must meet the requirements for admission to the university. In addition, candidates must satisfy the departmental requirements for work experience and must have passed the required Occupational Competency Test. Students must also pass Praxis I computer-based tests before receiving the Vocational Intern Teaching Certificate. This program prepares the student for industrial teacher certification in Pennsylvania and, in general, is acceptable in other states. Work taken toward the certification objective may be applied to the undergraduate degree program. The courses are offered on a part-time basis for those who are employed on an Intern credential. Completing 18 semester hours of approved coursework and passing the occupational competency examination will permit the issuance of a Vocational Instructional I Certificate, which is valid for six years.

Upon receipt of the Vocational Instructional I certificate, the student must complete an additional 42 s.h. of college work, earning a minimum of 6 semester hours of credit per year until the requirements for permanent certification (60 s.h. and three years successful teaching) are satisfied.

Persons wishing to enroll in this program should contact an advisor.

Elementary Education

Please contact the department for further information.

215-204-6387

Elementary Education (with Early Childhood Education or Special Education)

The Elementary Education program is designed to prepare teachers to work in programs servicing children in nursery school, kindergarten, primary, and intermediate grades. It is designed to help students gain an appreciation and understanding of children, develop personally and professionally, and acquire a sound philosophy of education.

By working directly with children several times prior to student teaching, the student can study the reactions of children of various ages to different situations and thereby gain insight into the creation of learning situations and the planning of teaching procedures which meet the needs of children.

Students must choose an additional area for certification in either Early Childhood Education or Special Education. Students must be accepted into the certification program prior to taking methods courses (see [candidacy](#)). Observation, participation, and teaching within the practicum are further extended during student teaching where competency of teaching skills is demonstrated.

Early Childhood Education and Special Education Options

Cathleen Soundy, Early Childhood, Lead Professor

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In the new undergraduate program, all students will obtain certification in Elementary Education. Students must then choose an additional area for certification in either Early Childhood Education or Special Education. A four-year academic plan for this degree program is available at: www.temple.edu/education/ugrad/advising.html.

General Education and Professional Course Sequence Requirements

Several restrictions and additions to the requirements listed above (see [Other Requirements for College of Education Students](#) on the College Graduation Requirements page) apply to students in this program:

Department	Course #	Course Name	Hours	RCI
Math Requirement: <i>Please take both of the following:</i>				
Mathematics	1015*	Introduction to Numbers & Figures	4	
Mathematics	1023*		4	

Literature Requirement: Please take both of the following:				
IH	0851	Mosaic: Humanities Seminar I	3	GY
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Linguistics Requirement: Choose one of the following:				
Education	0815	Language in Society	3	GB
English	2821	Introduction to Linguistics	3	
Anthropology	2507	Fundamentals of Linguistic Anthropology	3	
Communication Sciences & Disorders	1108	Introduction to Linguistics	3	
NOTE: In addition to taking the required two course sequence in Science, students must take at least one additional course in Science.				

* pending approval

Department	Course #	Course Name	Hours	RCI
Social Science Requirement:				
<i>Choose one of the following Economics courses (see additional GUS requirement below):</i>				
Economics	0858	The American Economy	3	GU
Economics	1001	Introduction to the Economy	3	
Economics	1101	Macroeconomic Principles	3	
Economics	1102	Microeconomic Principles	3	
Economics	1004	Economic Principles for Education Majors	3	
Economics	1103	Global Economics Issues	3	
and choose one of the following Geography & Urban Studies courses:				
Geography & Urban Studies	1031	Geography of World Affairs	3	
Geography & Urban Studies	1025	World Urban Patterns	3	

Program Requirements

Elementary Education Foundation Requirements

Elementary Education Foundation Requirements				
Department	Course #	Course Name	Hours	RCI
Art Education	3003	Arts & Learning in the Elementary School	3	
Elementary Education	3287	Practicum: Teaching Elementary Child N-6	2-3	
Elementary Education	3387	Practicum: Teaching Math/Science to Elementary Child N-6	2-3	
English Education, Elementary	3297	Teaching Integrated Language, Reading & Writing	6	WI
Math Education, Elementary	3141	Teaching Mathematics: N-6	3	
Science Education, Elementary	3151	Teaching Science: N-6	3	
Social Studies, Elementary	3161	Teaching Social Studies: N-6	3	
Education	4801	Senior Seminar and Performance Assessment	3	
Subtotal			25-27	

Students must choose a minimum of one additional area of certification.

Early Childhood Option

<i>Must take at least one option.</i>				
Department	Course #	Course Name	Hours	RCI
Early Childhood Education	2321	Curriculum Development & Implementation in Early Childhood Programs	3	
Early Childhood Education	2322	Family/School/Community Environments for Young Children	3	
Early Childhood Education	3322	Observing, Documenting, & Assessing Young Children's Learning	3	
Early Childhood Education	4324	Integrated Programming for Young Children	3	
Education	4588	Student Teaching in Elementary Education/Early Childhood Education	9-11	
Subtotal			21-23	

Special Education Option for Students Admitted for Fall 2008

All requirements for the Elementary Education program must be completed, and 9 s.h. of Student Teaching Elementary/Special Education 4288 must be in a Special Education placement. In addition, the following courses must be completed.

Department	Course #	Course Name	Hours	RCI
Education	2489	Field Experience: Special Education	3	
Special Education	2231	Introduction to Inclusive Education	3	
Special Education	3xxx*	Advanced Special Education Methods 1	3	
Special Education	3xxx*	Advanced Special Education Methods 2	3	
Special Education	4331	Community Resources & Collaboration in Special Education	3	
Education	4288	Student Teaching in Elementary/Special Education	9	
Total			24	

* pending approval

Total Elementary Education Program	
General Education Courses	39
Elementary Education Courses	60
Additional Certificate Courses (Early Childhood or Special Education)	12
Additional Content Courses	12
Electives	2-3
TOTAL SEMESTER HOURS	126

Secondary Education

Please contact the department for further information.
(215) 204-6387

Secondary Education programs prepare the student to teach in the following certification areas:

- English
- Foreign Languages
- English as a Second Language (ESL)
- Mathematics
- Sciences
 - Biology
 - Chemistry
 - Earth and Space Science
 - General Science
 - Physics
- Social Studies
 - History
 - Economics
 - Geography and Urban Studies
 - Political Science

In order to maintain good standing in Secondary Education, students must achieve and maintain a 3.0 average in their teaching field in addition to maintaining an overall 3.0 cumulative average. Students in a secondary program with less than a 3.0 in their teaching field are urged to consider a change in teaching field or a transfer to another program or department. Students with less than a 3.0 average either in the major field or overall may not register for student teaching and will not be recommended for certification by the College of Education.

The courses listed for a major under each academic specialization section are meant to serve as a guide. Students are strongly encouraged to consult the departments in which they are seeking second majors to verify that the specific requirements are being met in accordance with department regulations. Simultaneously, students are encouraged to speak with their College of Education advisor to ensure that all requirements for Pennsylvania teacher certification are being met. A four-year academic plan for the degree programs below are available at:
www.temple.edu/education/ugrad/advising.html.

*** Currently, the Secondary Education programs are under review and awaiting approval. All students enrolling in these programs for the first time in 2008-2009 will be notified as soon as the new program is approved with any revised requirements that may affect their program of study. It is strongly recommended that you meet with an advisor before enrolling in classes specific to this major and leading to certification in Secondary Education, regardless of content area. This is to assure that your intended program of**

study will be compatible with the proposed requirements and Pennsylvania Department of Education regulations.

Secondary English

Dr. Michael Smith, Program Advisor
215-204-6137
Ritter Hall 445
mwsmith@temple.edu

General Education and Professional Course Sequence Requirements

All of the requirements listed on the [College Graduation Requirements](#) page apply to this program.

Secondary Education

Department	Course	Course Name	Hours	RCI
English Education, Secondary Education	4366	Teaching Literature & Reading in the Secondary School	3	
English Education, Secondary Education	4371	Teaching Oral & Written Communication in the Secondary School	3	
Secondary Education	3796	Reading Problems in the Secondary School	3	WI
Education	4688	Student Teaching in Secondary Education	9-11	
Education	4801	Senior Seminar & Performance Assessment	3	
Subtotal			21-23	

Academic Specialization

English

Students seeking certification in secondary English education must complete the requirements both for the major in secondary education with a concentration in English and for the English major as specified by the English Department. (For more information on the English department's major requirements, go to www.temple.edu/bulletin/Academic_programs/schools_colleges/cla/programs/english/cla_english.shtm.) In order to assure that students gain the content knowledge specified by the Pennsylvania Department of Education, we recommend most strongly that students choose elective English courses in the following areas: linguistics, film, Shakespeare, and African American literature. Students who do not complete this coursework may be at risk of failing the state-mandated Praxis II examination, which must be passed in order to be eligible for teacher certification.

English as a Second Language (ESL) Specialist

Dr. Jill Swavely-Gardner, Program Coordinator
Ritter Hall 461
215-204-6120
jmswav@temple.edu

The ESL program specialist certificate is available as an “add-on” or endorsement to an Instructional teaching certificate.

Candidates for the certificate are required to demonstrate competence of the fundamental concepts and practices of English as a second language, which are provided at the pre-school, elementary, or secondary levels.

The course requirements can be taken as part of an undergraduate or master’s degree. Both the undergraduate and graduate options consist of a four-course sequence.

The ESL specialist curriculum includes training in the following components:

- English Usage and Developing Linguistic Awareness
- English as a Second Language Instructional Materials/Development
- English Language Learners (ELLs) Language & Support Services Knowledge
- Developing Cultural Awareness/Sensitivity

Note: The specialist certificate is an add-on to an Instructional certificate. Candidates are expected to have completed general studies, professional courses, and core courses in any professional educator program, which culminates with an Instructional certificate.

ESL Specialist Certification Requirements/Experiences

Department	Course #	Course Name	Hours	RCI
TESOL	8611	Applied Language Study I: Assessment of English Learners' Language & Literacy Development	3	
TESOL	8614	Approaches to Teaching Second/Foreign Language	3	
TESOL	8616	Teaching Second/Foreign Language Skills: Curriculum & Assessment in TESOL	3	
TESOL	8621	Contexts for Teaching & Learning Language	3	
Subtotal			12	

Secondary Foreign Language Education

Dr. Elvis Wagner, Program Advisor
215-204-5821
elvis.wagner@temple.edu

Foreign Language certification is offered in French, German, Hebrew, Italian, Latin, Portuguese, and Spanish.

General Education and Professional Course Sequence Requirements

In addition to the Literature requirements listed on the [College Graduation Requirements](#) page (see Other Requirements for College of Education Students), all students must take one of the following:

Department	Course #	Course Name	Hours	RCI
English	2496	Introduction to Writing Non-Fiction	3	WI
		<i>or</i>		
English	2796	Writing the Research Essay	3	WI
Subtotal			3	

Program Requirements for Secondary Education

Department	Course #	Course Name	Hours	RCI
Education	4688	Student Teaching in Secondary Education	9-11	
Education	4801	Senior Seminar & Performance Assessment	3	
Subtotal			12-14	

Academic Specialization for Certification in One Foreign Language

Ten courses above the first two elementary courses must be taken (that is, beyond courses which generally have the number 1001 and 1002).

All courses must be taught in the target language. (Native speakers who received most of their pre-university education in their native land may be eligible to certify by taking eight appropriate foreign language courses in their native language.)

These ten courses must include:

- **Composition and Conversation:** at least two (and preferably three) courses are required, except for Italian, in which only one course is available.
- **Culture and Civilization:** one course is required.
- **Linguistics:** one course is required. If no course is available in the target language, one will have to be taken in another department, but it will not count as a foreign language course if taken in the English or Strategic and Organizational Communication (STOC) departments.
- **Literature:** at least one course is required, preferably contemporary. Students should check with an advisor to select the specific courses that meet the above requirements. Additional courses should also be selected in consultation with an advisor. It is strongly recommended that, in Spanish, courses be taken in Peninsular and Latin American Spanish. Similarly, in French, coursework should include both continental and overseas French.

Academic Specialization for Certification in Two Foreign Languages

Ten courses in the first foreign language must be taken. If the language is begun at the college level, the first two elementary courses do not count toward the ten courses. At Temple, these courses are generally numbered 1001 and 1002.

For the second foreign language, eight courses must be taken. The first two beginning courses do count toward certification in the second foreign language.

Native speakers who were educated to speak, read, and write their native language need only eight courses in the formal study of their native language as a subject at the university level. Courses should be at an appropriate level for their background. There is no credit-by-examination given at Temple in a foreign language. A linguistics course is required for native speakers.

The same courses required for the first foreign language apply also to the second foreign language, (i.e., a course in composition and conversation, culture and civilization, and literature, preferably 20th century). A second linguistics course need not be taken.

It is strongly recommended that certification in two languages be pursued in order to enhance career opportunities. Courses may be taken during summer school to avoid heavy course loads during the academic year.

ELECTIVES (when certifying in one foreign language): 0-16

Total Semester Hours for Certification in One Foreign Language: 124

Total Semester Hours for Certification in Two Foreign Languages: 136-160

In the State of Pennsylvania, certification in a foreign language is a K-12 certificate. Since there is presently no certification in Pennsylvania in English as a Second Language (ESL or ESOL), foreign language teachers in this state are presently permitted to teach ESL as well under conditions specified by each school district.

Students must achieve passing scores on designated proficiency tests in each of the four skills (listening, speaking, reading, and writing) in each language of certification to be permitted to take the methods courses in teaching a foreign language, to student teach, and to receive certification. The testing begins when the student completes six courses in the foreign language.

Foreign Study and/or Travel

Study and travel experiences in relevant foreign language speaking areas are highly recommended. Temple provides such experiences at Temple's Rome Campus, the Temple-Sorbonne program, the Temple University of Puerto Rico exchange program, or Temple's exchange programs with the Universities of Hamburg and Tübingen in Germany. The Latin American Studies Semester program is an immersion experience available at Temple's Main Campus to all Spanish majors during spring semesters.

Secondary Mathematics Education

Dr. Jacqueline Leonard, Lead Professor

215-204-8042

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General Studies, Professional Course Sequence and Core Requirements

Several restrictions and additions to the requirements listed on the [College Graduation Requirements](#) page (see Other Requirements for College of Education Students) apply to students in this program:

- The Mathematics requirement cannot be met by 1011 (College Mathematics).
- The Mathematics requirements are listed in the program description below.

*The number of semester hours needed to fulfill specific requirements may vary slightly for transfer students.

Program Requirements for Secondary Education

Department	Course #	Course Name	Hours	RCI
Mathematics Education, Secondary Education	3145	Teaching & Learning Mathematics in the Middle Grades	3	
Mathematics Education, Secondary Education	3146	Methods & Materials in Secondary Mathematics	3	
Mathematics Education, Secondary Education	4371	History of Mathematics	3	
Secondary Education	3796	Reading Problems in the Secondary School	3	WI
Education	4688	Student Teaching in Secondary Education	9	
Education	4801	Senior Seminar & Performance Assessment	3	
Subtotal			24	

Academic Specialization

Department	Course #	Course Name	Hours	RCI
Mathematics	1041	Calculus I	4	
Mathematics	1042	Calculus II	4	
Mathematics	2043	Calculus III	4	
Mathematics	2101	Linear Algebra	3	
Mathematics	2196	Basic Mathematical Concepts	3	WI
Mathematics	3003	Theory of Numbers	3	
Mathematics	3031	Introduction to Probability Theory	3	
Mathematics	3032	Introduction to Mathematical Statistics	3	
Mathematics	3061	Modern Geometry I	3	
Mathematics	3101	Topics in Modern Algebra	3	
Mathematics	3137	Real & Complex Analysis I	3	

Mathematics	3138	Real & Complex Analysis II	3	
Mathematics	4096	Senior Problem Solving Seminar	3	WI
Physics	1061	Elementary Classical Physics I	4	
Physics	1062	Elementary Classical Physics II	4	
<i>Choose one of the following courses to fulfill the computer programming requirement:</i>			3-4	
C+IN SC	1055	Computers & Applications		
C+IN SC	1057	Computer Programming in C		
C+IN SC	1068	Program Design & Abstraction		
Subtotal			53-54	

Social Studies Education

Dr. Christine Woysner, Program Advisor

215-204-6147

christine.woysner@temple.edu

Department	Course #	Course Name	Hours	RCI
Social Studies Education, Secondary Education	3xxx*	Methods & Materials in Secondary Social Studies #1	3	
Social Studies Education, Secondary Education	3xxx*	Methods & Materials in Secondary Social Studies #2	3	
Secondary Education	3796	Reading Problems in the Secondary School	3	WI
Education	3xxx*	Course in ELL Methods	3	
Education	4688	Student Teaching in Secondary Education	9	
Education	4801	Senior Seminar & Performance Assessment	3	
Subtotal			24	

*pending approval

History

History courses should be chosen in accordance with major requirements outlined by the College of Liberal Arts' [History](#) Department.

Economics

Economics courses should be chosen in accordance with major requirements outlined by the College of Liberal Arts' [Economics](#) Department.

Geography & Urban Studies

Geography and Urban Studies courses should be chosen in accordance with major requirements outlined by the College of Liberal Arts' [Geography & Urban Studies](#) Department.

Political Science

Political Science courses should be chosen in accordance with major requirements outlined by the College of Liberal Arts' [Political Science](#) Department.

Secondary Science Certification

Dr. Joseph Schmuckler, Program Advisor
215-204-6194
joseph.schmuckler@temple.edu

General Studies, Professional Course Sequence and Core Requirements

Several restrictions and additions to the requirements listed on the [College Graduation Requirements](#) page apply to students in this program.

- The Mathematics requirement cannot be met by 1011 (College Mathematics).
- The Mathematics requirements are listed in the program description below.
- The requirements in Science and Technology are different for the various science areas. These requirements are listed below.
- A course in philosophy or religion is required to meet the general studies requirements for certification.

Program Requirements

Secondary Education (for all Science certification areas)

Department	Course #	Course Name	Hours	RCI
Secondary Education	3796	Reading Problems in the Secondary School	3	WI
Science Education, Secondary Education	3146	The Teaching of Science in Secondary Schools I	3	
Science Education, Secondary Education	3xxx*	The Teaching of Science in Secondary Schools II	3	
Education	4688	Student Teaching in Secondary Education	9	
Education	4801	Senior Seminar & Performance Assessment	3	
Subtotal			21	

* Pending approval

Academic Specialization (for Biology)

Department	Course #	Course Name	Hours	RCI
Mathematics	1041	Calculus I	4	
Mathematics	1042	Calculus II	4	
Biology	1111 & 2112	Introduction to Biology	8	
Biology	2203	Genetics	4	
Biology	2227	Principles of Ecology	4	
Biology	3096	Cell Structure & Function	4	WI

Biology	3101	Evolution	3	
Biology	Electives	Two electives	6-8	
Chemistry	1031 & 1032	General Chemistry I & II	6	
Chemistry	1033 & 1034	General Chemistry Laboratory I & II	2	
Chemistry	2201 & 2202	Organic Chemistry I & II	6	
Chemistry	2203 & 2204	Organic Chemistry Laboratory I & II	2	
Physics	2021 & 2022	General Physics I & II	8	
Subtotal for Biology			61-63	

Academic Specialization (for Chemistry)

Department	Course #	Course Name	Hours	RCI
Mathematics	1041	Calculus I	4	
Mathematics	1042	Calculus II	4	
Mathematics	2043	Calculus III	4	
Chemistry	1031 & 1032	General Chemistry I & II	6	
Chemistry	1033 & 1034	General Chemistry Laboratory I & II	2	
Chemistry	2201 & 2202	Organic Chemistry I & II	6	
Chemistry	2203 & 2204	Organic Chemistry Laboratory I & II	2	
Chemistry	3103	Techniques of Chemical Measurement I	3	
Chemistry	3105	Introduction to Chemical Research Techniques	1	
Chemistry	3301	Physical Chemistry Lecture I	3	
Chemistry	3302	Physical Chemistry Lecture II	3	
Chemistry	4196	Techniques of Chemical Measurement II	5	WI
	or 4396	or Physical Chemistry Laboratory	4	WI
Chemistry	Elective	Dependent on Capstone Choice	3-4	
Physics	2021 & 2022	General Physics I & II	8	
Subtotal for Chemistry			53-55	

Academic Specialization (for Earth & Space Science)

Department	Course #	Course Name	Hours	RCI
Mathematics	1041 & 1042	Calculus I & II	8	
Biology	1011 & 1012	General Biology I & II	8	
Chemistry	1031 & 1032	General Chemistry I & II	6	
Chemistry	1033 & 1034	General Chemistry Laboratory I & II	2	
Earth & Environmental Science	1001	Introduction to Geology	4	
Earth & Environmental Science	2015	Climate Change: Oceans to Atmosphere or See Advisor	4	
Earth & Environmental Science	1015	Environmental Resources	4	
<i>Select two courses from among:</i>				

Earth & Environmental Science	2011	Mineralogy I	4	
	2012	Mineralogy II	4	
	2021	Facies Models	4	
	2022	Paleontology & Stratigraphy	4	
<i>Select one additional course with advisor's approval:</i>				
Physics	1004	Introduction to Astronomy	4	
Physics	1021 & 1022	Introduction to General Physics I & II	8	
Science, Secondary Education	*SPA	Meteorology for Teachers	3	
Subtotal for Earth & Space Science			51	

*SPA - See Program Advisor

Academic Specialization (for General Science)*

Department	Course #	Course Name	Hours	RCI
Mathematics	1041 & 1042	Calculus I & II	8	
Biology	1011 & 1012	General Biology I & II	8	
Chemistry	1031 & 1032	General Chemistry I & II	6	
Chemistry	1033 & 1034	General Chemistry Laboratory I & II	2	
Computer & Information Sciences	1068	Program Design & Abstraction	4	
Earth & Environmental Science	1001	Introduction to Geology	4	
Physics	1004	Introduction to Astronomy	4	
Physics	1021 & 1022	General Physics I & II	8	
Science Concentration Electives**	Electives	4 courses	12-16	
College of Science & Technology	3001	History of Science	3	
College of Science & Technology	4351	Paradigms of Scientific Knowledge	3	
Subtotal for General Science Certification			62-66	

* Students in the College of Education will follow the requirements for the B.A. in [Natural Sciences](#) and the B.S. in Secondary Education: Science Education. The certification from the Pennsylvania Department of Education will be in General Science.

** All elective courses must be taken within the same department (e.g., Biology, Chemistry, Physics, or Geology).

Academic Specialization (for Physics)

Department	Course #	Course Name	Hours	RCI
Mathematics	1041	Calculus I	4	
Mathematics	1042	Calculus II	4	
Mathematics	2043	Calculus III	4	
Physics	1061 & 1062	Elementary Classical Physics I & II	8	
Physics	<i>or</i> 2021 & 2022	<i>or</i> General Physics I & II	8	
Physics	2101	Classical Mechanics	3	
Physics	2502	Mathematical Physics	4	

Physics	2701	Introduction to Modern Physics	4	
Physics	3101	Analytical Mechanics	3	
Physics	3301	Electricity & Magnetism	4	
Physics	3302	Classical Electromagnetism	3	
Physics	4101	Thermodynamics & Kinetic Theory	3	
Physics	4302	Optics	3	
Physics	4796	Experimental Physics	3	WI
<i>Select one of the following electives:</i>			3	
Physics	2501	Computing for Scientists		
	3701	Introduction to Quantum Mechanics		
	4301	Electronics		
Subtotal for Physics			53	

COLLEGE OF ENGINEERING

Keya Sadeghipour, Dean
Engineering and Architecture Building
Third Floor
1947 N. 12th Street
Philadelphia, PA 19122
215-204-7800
www.temple.edu/engineering/

Accreditation

Engineering programs are accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET). Engineering Technology programs are accredited by Technology Accreditation Commission (TAC) of ABET.

Accreditation Board for Engineering and Technology, Inc.
111 Market Pl., Suite 1050
Baltimore, MD 21202
www.abet.org

Mission

The mission of the College of Engineering (COE) is to provide students with a high-quality, innovative, and globally-competitive learning experience in engineering, engineering technology, and the applied sciences. Engineering graduates are to be educated professionals with the technical, problem-solving, and communication skills required to succeed in the workplace and society.

The college is mindful of its obligation as an environment for the creation of knowledge and encourages basic and cross-disciplinary applied research by its faculty and students. Great importance is attached to scholarship, practice, and service aimed at improving the quality of life and the economic viability of our society. This value system is reflected in current assessments of faculty for promotion and tenure and in grading practices for student work.

We strive to pursue these objectives in a learning environment that celebrates ethnic and gender diversity, respects experience, and encourages problem solving through teamwork.

The college offers undergraduate curricula in engineering and engineering technology, and a variety of continuing education courses for non-degree students. The programs in engineering, leading to the Bachelor of Science in Engineering degree, prepare students for positions in engineering which require a broad preparation in mathematics and the engineering sciences at the entry level; they are recommended for those who expect to become registered professional engineers, pursue an advanced degree, or become involved in conceptual design, planning, research, and development in industry. The programs in engineering technology, which lead to the Bachelor of Science in Engineering Technology degree, educate students for careers as engineering technologists. They participate as members of the engineering team, translating concepts into functioning systems and supervising subsequent implementation by technicians and craftsmen.

Graduates of the COE find employment in manufacturing, construction management, sales engineering, inspection and quality control, production engineering and management, research and development, purchasing, technical field services, application engineering, engineering design, computer systems and software manufacturing, and organizations applying computers for research or production. Following on-the-job experience, they can qualify for positions of a supervisory and managerial nature; others may qualify as registered professional engineers.

Day and evening courses are offered at the [Main Campus](#) and at [Ambler Campus](#). All programs can be completed at the Main Campus.

Admission

Admission to the university does not guarantee admission to particular programs in the College of Engineering. Because programs in the college have varying admissions requirements, students should contact the Office of Undergraduate Studies, Room 326, for further information (215-204-8825).

Honors Program

For current information on the College Honors Program, contact Steven Ridenour, Acting Coordinator, by phone (215-204-8825) or e-mail (steven.ridenour@temple.edu).

Cooperative Education & Internship

Full-time matriculated Engineering and Engineering Technology students who have a GPA greater than 2.0 and who have completed at least 30 semester hours (at least 12 at Temple) towards the baccalaureate degree may apply for paid cooperative work experience (full-time) during spring, fall or summer semesters. It normally takes five years to complete the degree when participating in this program; however, at least one year of relevant work experience is gained. Students work 40 hours per week and are considered full-time students at Temple University. Students may also document relevant work experience through internships, which are normally during the summer semester. The internships allow the student to finish in the traditional four years and still gain some experience. Engineering and Engineering Technology students may register and receive technical elective credits for their work experience with the Co-op courses (Engineering 2181, 3181, 4181, 4281) or the Internship courses (Engineering 1185, 2185, 3185, 4185). These programs are managed by the Director for Career Services in the College of Engineering.

Honor Societies, Awards, & Student Associations

Professional Societies & Organizations

The following professional societies and organizations are located within the College of Engineering:

- American Concrete Institute (ACI)
- American Society of Civil Engineering (ASCE)
- American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE)
- Environmental Engineering Students Association (EESA)
- General Building Contractors Association (GBCA)
- Institute of Electrical & Electronics Engineers (IEEE)
- Minority Engineering Students Association (MESA)
- National Society of Black Engineers (NSBE)
- National Society of Hispanic Engineers (SHPE)
- National Society of Professional Engineers (NSPE)
- Society of Automotive Engineers (SAE)
- Society of Manufacturing Engineers (SME)
- Society of Women Engineers (SWE)
- Temple University Amateur Radio Club (TUARC)
- ETA KAPPA NU (Electrical Engineering Honor Society)

Academic Advising

Dr. Steven Ridenour
Director of Undergraduate Studies
Engineering and Architecture Building
Room 326
215-204-8825
sridenou@temple.edu

Advising Centers for the Major in the College of Engineering

Civil and Environmental Engineering Department
215-204-7814
ceed@temple.edu

Electrical and Computer Engineering Department
215-204-7597
eegrad@temple.edu

Mechanical Engineering Department
215-204-7808
vross@temple.edu

College Center (special problems)
215-204-8825
sridenou@temple.edu

Please see the major programs for locations of the departmental offices.

All students in the College of Engineering (COE) are assigned an advisor when they initially enroll. An updated list can be found in the respective departmental offices. The student's academic advisor will confirm that the courses selected yield credit toward a degree and that the requirements of Temple University, COE, and the academic department are being met. Reference should be made to this *Bulletin* and to the Student Information Guide in planning programs.

Academic advisors attempt to avoid errors when advising students about their program requirements, but schools and colleges cannot assume liability for errors in advising. Therefore, students must assume primary responsibility for knowing the requirements for their degree and for acquiring current information about their academic status.

Academic Policies & Regulations

Please see [Academic Policies](#). Students are responsible for complying with all university-wide academic policies that apply to their individual academic status. Additional and unique policies, or exceptions for the College of Engineering, appear below.

The university policies and regulations generally apply to all undergraduate students and provide a framework within which schools and colleges may specify further conditions or variations appropriate to students in their courses or programs. Policies specific to the College of Engineering follow.

The COE Student Information Handbook should be consulted for specific rules relating to procedures and curriculum. Copies of the COE Handbook are available in the dean's office, Room 341, Engineering and Architecture Building. The COE Handbook is also available on the College of Engineering web site at www.temple.edu/engineering/CurrentStudents/student_handbook.html.

College Graduation Requirements

Anticipation of Graduation - All College of Engineering (COE) students who intend to graduate in May, August, or January must have a graduation review at the **completion of 90 credits**. At the beginning of the final semester, the student must pay a graduation fee and then present a validated treasurer receipt as evidence of payment to the dean's office. To earn the baccalaureate degree in any curriculum of the COE, a student must submit a graduation plan (check sheet), consisting of all required courses in the chosen curriculum, which has been approved by the student's faculty advisor, chairperson, and dean of the college. Required courses are indicated in curriculum checklists available from the student's respective department of instruction.

Dean's List - Full time matriculated students who, for a given semester, complete 15 semester hours, or more, with no "I" grades and with no grade less than "C" may qualify for the Dean's List when the semester GPA is at least 3.20. Part-time students who have completed 12 credits over an academic year with the same grades and GPA may also qualify.

Independent Research - Engineering, Engineering Technology - Independent student work on a laboratory investigation or design project must be approved by the chairperson of the respective department and a faculty supervisor assigned. Work is graded on research methodology, result, and a report. Only seniors with a minimum GPA of 3.0 may apply. The project must be completed in one academic year.

Independent Study - A student is permitted to take no more than two independent study courses. Permission is granted only if a student needs the course to complete his/her studies, and it is not offered in that semester. They can be taken only in the junior and senior years. The content of the independent study work must cover the material in one of the courses listed in the curriculum. Students must complete an independent study form in their department office prior to registration for the course.

Program Performance – A minimum cumulative GPA of 2.0 is required for graduation. Students majoring in engineering must attain a minimum GPA of 2.3 in their major courses in order to graduate. Students majoring in engineering technology must have a minimum GPA of 2.0 in their major courses.

Non-Matriculating Students - Non-matriculating and/or part-time students who intend to become matriculating degree candidates in the College of Engineering must apply for formal admission when they have completed between 15-18 semester hours of coursework. These students must take the placement tests in English and Mathematics in order to determine their level of ability and proficiency in these areas before they continue with their studies. The COE is not obligated to grant more than 18 semester hours of credit toward a degree for coursework taken as a non-matriculated student.

Non-Traditional Credits - A maximum of 9 semester hours of credit will be allowed by the COE in cooperative education, relevant work experience, approved ROTC courses, and Advanced Placement or CLEP examinations. No other non-traditional credit will be granted.

Credit for Life Experience - Matriculated students may be granted academic credits for work experience if it is judged to be an adequate substitute for all or part of particular courses required of the student. Experience must be related to a specific course in the curriculum offered by the college. Work experience must be acquired before entering Temple University. Credit will only be granted after completion of 30 semester hours of coursework. Other requirements and applications are available in the Office of Undergraduate Studies in the college.

Transfer Credit - Transfer credit to the COE can be granted only from an accredited institution of higher learning. Co-op education, credit for life experience, and advanced placement credits are not transferable from other institutions. Transfer credits are not granted after a student has matriculated into a degree program. In only exceptional circumstances may students take courses at other institutions and have transfer credits awarded. The dean must approve permission for such arrangements in advance. *Senior Design Project* is not transferable to the college.

Student Contact Information

The Office of Undergraduate Studies will provide services for special problems in curriculum advising, academic grievances, and personal problems. Contact Dr. Steven Ridenour at sridenou@temple.edu or 215-204-8825, or Margarita Marengo at margarita.marengo@temple.edu or 215-204-6426.

Faculty

Administration

Keya Sadeghipour, Dean
George Baran, Associate Dean for Research and Graduate Studies
Donald Heller, Assistant Dean for Finance and Operations
Steven Ridenour, Director of Undergraduate Studies
Walter Wolansky, Business Manager
Maureen Kuhar, Director of Development
Terri Martin, Director of Career Development

Civil & Environmental Engineering

Professor

Sergio Serrano, Ph.D., University of Waterloo.

Associate Professor

Bechara Abboud, Ph.D., Drexel University, P.E.
Michael Boufadel, Ph.D., University of Cincinnati.
Robert Brooks, Ph.D., University of California, P.E.

William C. Miller, Ph.D., University of Pennsylvania, P.E.
Philip D. Udo-Inyang, Ph.D., University of Missouri, E.I.T.

Assistant Professor

Adrienne Cooper, Ph.D., University of Florida.
Berk Ayrance, M.S.E., Temple University.
Robert Ryan, Ph.D., Drexel University.
Felix Udoeyo, Ph.D., Abubakar Tafawa Balewa University.

Civil & Environmental Engineering Industrial Advisory Committee

Leonard Bernstein, P.E., City of Philadelphia Water Department.
Thomas Bryan, Gilbane Building Company.
George Cavallo, P.E., Gilbane Building Company.
Brian Cawley, Air Products and Chemical, Inc.
Lin Corsey, Turner Construction Company.
Ruben David, P.E., City of Philadelphia, Capital Projects.
Kenneth Eyre, Greeley and Hansen, Co-Chair.
Darryl Jenkins, Citizens Utilities and Water Co.
Stephen Jochum, Consultant.
James Kenny, U.S. Environmental Protection Agency.
Ronald Kernis, Hanscomb, Inc.
Linda Kramer, Philadelphia Water Department.
Richard Kron, Patriot Construction Company.
Victor Marcus, P.E., Consulting Engineer.
Christopher Menna, City of Philadelphia, Department of Streets.
Scott Milliken, Gilbane Building Co.
Jeff Ogborn, Churchill Engineers and Planners.
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Theodore L. Radzinski, U.S. Environmental Protection Agency.
Allan Ritchie, P.E., REI Engineers.
Frank Russo, HNTB Corporation.
Pamela Stevens, Spotts, Stevens & McCoy, Inc.
Gregory Stewart, Gilbane Construction Company, Co-Chair.
William Thomsen, P.E., Urban Engineers.
Judson F. Vogdes III, P.E., General Building Contractors Association.

Electrical & Computer Engineering

Professor

Saroj K. Biswas, Ph.D., University of Ottawa, Canada.
Brian Butz, Ph.D., Drexel University.
Musoke H. Sendaula, Ph.D., University of Connecticut, P.E.
Dennis A. Silage, Ph.D., University of Pennsylvania.
Thomas E. Sullivan, Ph.D., Pennsylvania State University.
Robert Yantorno, Ph.D., University of Pennsylvania.

Associate Professor

Zdenka Delalic, Ph.D., University of Pennsylvania.

John Helferty, Ph.D., Chair, Drexel University.

Assistant Professor

Li Bai, Ph.D., Drexel University.

Chang-Hee Won, Ph.D., Notre Dame University.

Electrical & Computer Engineering Industrial Advisory Committee

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Sead Avdrovic, Boeing, Inc.

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David Miller, Boeing Helicopters.

Mario Obeidat, Inter-Digital, Inc.

Hubert Riester, Ficher & Porter, Inc.

Dennis Rock, Boeing Helicopters Computing.

Mark Soffa, Kulicke & Soffa Industries.

David Schweitzer, Allegro Microsystems, Inc.

John Taylor, Universal Space Network.

Sidney V. Worth, C.W. Industries.

David Wurzel, Cardiac Systems, Inc.

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Mechanical Engineering**Professor**

George Baran, Ph.D., University of Michigan.

M. Robert Baren, Ph.D., University of Pennsylvania.

Shih-Juin Chen, Ph.D., Chair, Drexel University.

Mohammad F. Kiani, Ph.D., Louisiana State University.

Keya Sadeghipour, Ph.D., University of Manchester.

Steven Ridenour, D.A.E., University of Miami, P.E.

Associate Professor

Richard S. Cohen, Ph.D., Princeton University, P.E.

Vallorie Peridier, Ph.D., Lehigh University.

Assistant Professor

Kurosh Darvish, Ph.D., University of Virginia.

Parsaoran Hutapea, Ph.D., North Carolina State University.

Alex Pillapakkam, Ph.D., New Jersey Institute of Technology.

Mechanical Engineering Industrial Advisory Committee

Madina Alharazim, Amtrak.
Marco Amone, Enser Corporation.
Dereck Baker, Carter Hayes Associates.
George Barrett, Boeing Defense and Space Group.
Daniel Cassidy, Ortho-McNeil Pharmaceutical Inc.
Michael Cook, Faiveley Rail Inc.
Michael Cunningham, Philadelphia Water Department.
Samuel Doughty, Ph.D., Naval Surface Warfare Center.
Robert Desaro, Energy Research Company.
Janet Edwards, Naval Ship Systems Engineering Station.
Michael Grady, Naval Ship Systems.
Ulrich Joseph, P.E., McNeil Pharmaceutical.
Kenneth Hill, Retired, Sunoco.
Paul McCoy, Aventis U.S. Inc.
John Pardekooper, Siemens Building Automation.
David Paul, Globus Medical, Inc.
Darrell Scales, Lockheed Martin Inc.
Walter Jeffrey Shakespeare, T-Networks.
Michael Smedley, Trigen Trenton Energy Company.
Ming-Shyong Tsay, FUTAI, Inc.
James Valenti, Armstrong World Industries.
Gregory White, Fairway Inc.

Emeritus Faculty

Professor

Edward F. Cahoon
Robert H. Creamer
Alvin T. Greenspan
Richard Klafter
John L. Rumpf
Victor Schutz
Theodore P. Vassallo
Thomas Ward
F. Stanton Woerth

Associate Professor

Raymond D. Fidler
Alma K. Forman
Joseph A Hrusovsky
Thomas Reeves

Assistant Professor

George W. Mackey

Ross Nickel

Engineering

1947 N. 12th Street

Philadelphia, PA 19122

215-204-7800

www.temple.edu/engineering/

1. The total number of credit hours at graduation may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.
2. Certain courses fulfill multiple requirements. In consultation with an advisor, students will be able to plan their curriculum more effectively.
3. Students must fulfill the necessary prerequisites for any given course or course sequence. See the [Prerequisite and Co-requisite Policy](#) in the university-wide Academic Policies section in this *Bulletin*.

Engineering

The programs in Engineering are accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET). These programs lead to a bachelor's degree with concentrations in the following fields of study:

Civil Engineering (B.S.C.E.)

Electrical Engineering (with Computer Engineering Concentration) (B.S.E.E.)

Mechanical Engineering (B.S.M.E.)

(Note: The Environmental Engineering Technology program is no longer a field of study. Interested students are directed to the Civil Engineering Program.)

Accreditation Board for Engineering and Technology, Inc.

111 Market Pl., Suite 1050, Baltimore, MD 21202

www.abet.org

The engineering programs are structured to prepare the graduate for the professional practice of engineering and/or graduate study. The curricula emphasize a rigorous treatment of the mathematical and scientific approaches to the solution of engineering problems.

The final two years of study stress the synthesis of unique solutions rooted in the fundamental principles mastered during the first two years and culminate in a design project.

Civil & Environmental Engineering

Michel Boufadel, Chair
Room 514, Engineering and Architecture Building
215-204-7871

www.temple.edu/engineering/CEE/index.html

Program Goals, Objectives & Design Integration

The objective of the Civil Engineering program at Temple University is to provide students with a broad knowledge of mathematics, physical and engineering sciences, computer utilization, communication skills, and societal factors from which students can synthesize unique solutions to relatively complex problems related to Civil Engineering. Since Civil Engineering professionals plan, design, construct, and operate facilities which are essential to the quality of modern life, the Civil Engineering curriculum is based upon providing a fully-integrated design experience by beginning with introductory courses in the study of engineering history and economics, then progressing through a broad coverage of the primary areas of practice within Civil Engineering (surveying, structures, geotechnical engineering, construction engineering, water resources, transportation, and environmental engineering), and finishing with a year-long capstone Civil Engineering senior design project. The goal of the Civil Engineering program is to prepare students to pursue graduate education in their specific areas of interest, seek professional licensing, and become involved in design, project planning and research.

Summary of Requirements

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

All Temple students must take a minimum of two writing-intensive courses as part of the major. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

Foundation Science & Math Courses in Civil Engineering

Department	Course #	Course Name	Hours	RCI
Math	1041	Calculus I	4	QB
Math	1042	Calculus II	4	
Math	2043	Calculus III	4	

Math	3041	Differential Equations I	3	
Physics	1061	Elementary Classical Physics I	4	SA
Physics	1062	Elementary Classical Physics II	4	SB
Chemistry	1031	General Chemistry I	3	SA
Chemistry	1033	General Chemistry Laboratory I	1	SA
Subtotal			27	

Required Communications, Humanities, & Social Science

Department	Course #	Course Name	Hours	RCI
English	0802	Analytical Reading & Writing	4	GW
GenEd or Core	Electives	Humanities and Social Science Various*	21 (minimum)	
Subtotal			25	

*See advisor for recommended courses, particularly if a transfer student.

Required Engineering Courses for Civil Engineering

Department	Course #	Course Name	Hours	RCI
CE	1105	Surveying	2	
CE	2011	Civil Engineering Materials	2	
CE	3048	Probability, Statistics & Stochastic Methods	3	
CE	3211	Transportation Engineering	3	
CE	3311	Construction Engineering	3	
CE	3331	Soil Mechanics	3	
CE	3332	Soil Mechanics Lab	1	
CE	3411	Structural Analysis	3	
CE	3412	Structural Analysis Lab	1	
CE	3441	Steel & Concrete Design	4	
CE	3711	Environmental Engineering	3	
CE		Electives	9	
Elective		Free Elective	3	
EE	2112	Electrical Devices & Systems I	3	
Engineering	1101	Introduction to Engineering & Eng. Tech.	2	
Engineering	1117	Engineering Graphics	3	
Engineering	2331	Engineering Statics	3	
Engineering	2332	Engineering Dynamics	3	
Engineering	2333	Mechanics of Solids	3	
Engineering	3096	Economic Analysis (optional 3 s.h. course)		WI
Engineering	3496	Materials Science for Engineers	3	WI
Engineering	3553	Mechanics of Fluids	3	
Engineering	3571	Classical & Statistical Thermodynamics	3	
Engineering	4169	Engineering Seminar	1	
Engineering	4196	Senior Design Project I*	1	WI
Engineering	4296	Senior Design Project II*	3	WI
ME	3506	Measurements of Fluids & Energy Lab	1	

Subtotal		72	
Total Hours for Civil Engineering Major		124 (minimum)	

* Senior Design topic must be approved by the chair of the Department of Civil & Environmental Engineering.

Concentration in Environmental Engineering

Michel Boufadel, Chair
Room 514, Engineering and Architecture Building
215-204-7871

Program Goals, Objectives & Design Integration

The objective of the Concentration in Environmental Engineering within the Civil Engineering program at Temple University is to provide students with the skills needed to understand environmental problems and to design (i.e., engineer) environmental systems to reduce and/or mitigate pollution. Environmental Engineering is a hybrid of Civil Engineering and Chemical Engineering, and it is thus natural for a civil engineer to broaden his/her knowledge in Environmental Engineering. Students in this concentration would be in a program that satisfies ABET accreditation for civil engineers, but they are more equipped than typical civil engineers to pass the Fundamental of Engineering and the Professional Engineer exams in the Environmental Engineering Category. The total number of credit hours for this concentration is 21, and the relevant courses are listed below. These courses replace the noted courses above in Civil Engineering.

Please contact the department or visit www.temple.edu/engineering/CEE/curriculum.html for more information.

Department	Course #	Course Name	Hours	Prerequisites
Required:			6	
CE	2711	Environmental Chemistry & Microbiology (replaces ENGRG 3496)	3	CHEM 1031, CHEM 1033
CE	3711	Environmental Engineering	3	ENGRG 3571, ENGRG 3553
Electives:			15 (minimum)	
CE	4621	Engineering Hydrology (replaces CE 3411)	3	Senior standing in engineering or permission of the instructor
CE	4631	Environmental Hydrology (replaces CE 3441)	3	Senior standing in engineering or permission of the instructor
CE	4711	Air Pollution Control System	3	CE 3711
CE	4721	Water & Wastewater Systems Design	3	CE 3711
CE	4731	Solid & Hazardous Waste Engineering	3	CE 3711
		Other Approved Electives with permission		
Subtotal for Concentration:			21	

Total hours for Environmental Engineering Concentration:	124	
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Minor in Environmental Engineering

Room 514, Engineering and Architecture Building
1947 North 12th Street
Philadelphia, PA 19122
215-204-7814

The Department of Civil and Environmental Engineering (CEE) offers a five-course (15 s.h.) undergraduate Minor in Environmental Engineering. Undergraduates from the Physical Sciences, Mathematics, and Engineering are eligible to participate in this program.

The purpose of the Minor is to allow students from a wide range of undergraduate majors to obtain an introductory background in sustainability, pollution prevention, environmental modeling, and pollution control technologies most appropriate to their interests and major field. The Minor in Environmental Engineering will add considerably to students' major program skills and make them more valuable to employers. Mathematics and Science majors will gain an understanding of engineering problem-solving processes and standard pollution control technologies. Engineering majors will understand the environmental effects of technologies in their major field and how to manage those effects. After the student completes the requirements for the minor, the minor will be recorded on the student's official university transcript upon graduation.

Academic Requirements for the Environmental Engineering Minor

Students pursuing an Environmental Engineering Minor must meet the following requirements:

- A minimum of C- in each course
- An overall GPA of 2.0 for courses in the Environmental Engineering minor

Courses

Two required courses:

- CE 2711: *Environmental Chemistry & Microbiology* (prerequisites: CHEM 1031, CHEM 1033)
- CE 3711: *Environmental Engineering* (prerequisites: ENGRG 3553, ENGRG 3571)

Three elective courses (minimum) may be taken after completion of the two required courses; choose from the following:

- CE 4621: *Engineering Hydrology*
- CE 4631: *Environmental Hydrology*
- CE 4711: *Air Pollution Control System*
- CE 4721: *Water & Wastewater Systems Design*
- CE 4731: *Solid & Hazardous Waste Engineering*

- CE 5622: *Fate of Pollutants in Subsurface Environments*
- CE 5623: *Near-Surface Environmental Systems*
- CE 5701: *Physical Principles of Environmental Systems*
- CE 5702: *Chemical Principles of Environmental Systems*
- CE 5703: *Mathematical Modeling*
- CE 5771: *Chemistry for Environmentally Sustainable Engineering*
- CE 5772: *Sustainable Development & Industrial Ecology*
- CE 5792: *Biological Principles of Environmental Systems*

Students are required to complete prerequisite courses (shown in parentheses above) as indicated for the two required courses. These prerequisite courses do not count toward the minimum of 15 semester hours. The Department of Civil and Environmental Engineering maintains an approved list of elective courses.

Declaration of Environmental Engineering Minor

Students who are interested in pursuing an Environmental Engineering minor should speak to their advisor in the school or college in which they are pursuing their degree. Students should formally declare the Environmental Engineering minor upon completing no more than 6 credits toward the minor. There is no penalty if the minor is not completed. For more information and to declare the minor, please contact the Department of Civil and Environmental Engineering.

Electrical Engineering

Saroj K. Biswas, Chair and Program Coordinator
 Room 711, Engineering and Architecture Building
 215-204-8403
saroj.biswas@temple.edu
www.temple.edu/engineering/index.html
www.temple.edu/engineering/ECE/index.html

Program Goals, Objectives & Design Integration

The objective of the Electrical and Computer Engineering Program is to prepare students for careers as practicing engineers in areas such as digital systems, embedded processor applications, digital communications, control systems, sensor networks, biomedical signal processing, microelectronics, computer security, and power networks. These careers are in applications, development, research, and design of electric and electronic systems and devices. Electrical Engineers are involved in the design and development of telecommunications networks, cellular telephones, computer and other microprocessor-based devices, consumer electronics, control systems for space vehicles and robots, and in many aspects of the power and automotive industries.

The department offers a concentration in Computer Engineering. The objective of the computer engineering concentration is to prepare students for a career in the area of Computer Engineering as it relates to the design of integrated software/hardware systems with both high- and low-level computer systems programming and applications to electrical systems. Computer engineers are responsible for the design, implementation, and application of computers and digital systems. The field covers hardware, software, and the interaction between them. The Computer Engineering concentration integrates courses on computer science fundamentals from the Department of Computer and Information Sciences of Temple University into the curriculum.

The department also offers a concentration in Bioelectrical Engineering. The objective of the Bioelectrical Engineering concentration is to prepare students for careers in the emerging areas of biomedical signal and image processing, assistive devices for the impaired, and bioelectronics. The Bioelectrical Engineering concentration utilizes courses in Biology, and Mammalian Anatomy and Physiology from the Department of Biology at Temple University as part of the curriculum.

The curriculum in Electrical and Computer Engineering is accredited by the Accreditation Board of Engineering and Technology ([ABET](#)). The curriculum features required courses in Mathematics, Chemistry, Physics, General Education, and the fundamentals of Electrical and Computer Engineering. The ABET minimum requirement for graduation is 124 semester hours, and students must satisfy the minimum requirement in each category as shown below. "Approved Elective" courses include elective Electrical Engineering courses, and a selection of math, science, Engineering, and Computer Science courses as approved by the department chair. Students should consult the department chair or their academic advisor for any questions concerning the credit distribution.

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum. Transfer students are advised by the department chair with regard to their transfer credit for courses in their major taken elsewhere, as well as with regard to courses needed to fulfill the Core curriculum requirements. Students should contact the department chair for an appointment and advisement.

All Temple students must take a minimum of two writing-intensive courses as part of the major. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

Curriculum

Electrical Engineering:

Curriculum	Courses/labs	Credits
	(Typical)	(Minimum)
Mathematics	6	20
Basic Sciences	3	12
General Education	8	25
Engineering	20	64
Free Elective	1	3
Minimum requirement		124 s.h.

Computer Engineering Concentration:

Curriculum	Courses/Labs	Credits
	(Typical)	(Minimum)
Mathematics	6	20
Basic Sciences	3	12
General Education	8	25
Engineering and Computer Science	20	64
Free Elective	1	3
Minimum requirement		124 s.h.

Bioelectrical Engineering Concentration:

Curriculum	Courses/labs	Credits
	(Typical)	(Minimum)
Mathematics	6	20
Basic Sciences and Biology	6	20
General Education	8	25
Engineering	18	56
Free Elective	1	3
Minimum requirement		124 s.h.

Foundation Science & Mathematics Courses in Electrical Engineering

Department	Course #	Course Name	Hours	RCI
Math (Calculus Sequence)	1041	Calculus I	4	QB
	1042	Calculus II	4	
	2043	Calculus III	4	
	3041	Differential Equations I	3	
Electrical Engineering	3522	Stochastic Processes in Signals & Systems	3	
Engineering	2011	Engineering Analysis & Applications	3	

Physics	1061	Elementary Classical Physics I	4	SA
	1062	Elementary Classical Physics II	4	SB
Chemistry <i>or</i>	1031/1033	General Chemistry I & Lab	4	SA
Biology	1011	General Biology I	4	SA
Subtotal			33	

Foundation Science & Mathematics Courses in the Computer Engineering Concentration

Department	Course #	Course Name	Hours	RCI
Math (Calculus Sequence)	1041	Calculus I	4	QB
	1042	Calculus II	4	
	2043	Calculus III	4	
	3041	Differential Equations I	3	
Electrical Engineering	3522	Stochastic Processes, Signals & Systems	3	
Engineering	2011	Engineering Analysis & Applications	3	
Physics	1061	Elementary Classical Physics I	4	SA
	1062	Elementary Classical Physics II	4	SB
Chemistry <i>or</i>	1031/1033	General Chemistry I & Lab	4	SA
Biology	1011	General Biology I	4	SA
Subtotal			33	

Foundation Science & Math Courses in the Bioelectrical Engineering Concentration

Department	Course #	Course Name	Hours	RCI
Math (Calculus Sequence)	1041	Calculus I	4	QB
	1042	Calculus II	4	
	2043	Calculus III	4	
	3041	Differential Equations I	3	
Electrical Engineering	3522	Stochastic Processes, Signals & Systems	3	
Engineering	2011	Engineering Analysis & Applications	3	
Physics	1061	Elementary Classical Physics I	4	SA
	1062	Elementary Classical Physics II	4	SB
Biology	1011	General Biology I	4	SA
	1012	General Biology II	4	SB
Subtotal			37	

Required General Education Courses (25 s.h.) for New Freshman Students admitted during 2008-2009 Academic Year

Department	Course #	Course Name	Hours	RCI
English	0802	Analytical Reading & Writing	4	GW
IH	0851	Mosaic: Humanities Seminar I	3	GY
IH	0852	Mosaic: Humanities Seminar II	3	GZ

GenEd	08xx	U.S. Society	3	GU
GenEd	08xx	World Society	3	GG
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	The Arts	3	GA
GenEd	08xx	Race & Diversity	3	GD
Subtotal			25	

Required Courses: Electrical Engineering (64 s.h. minimum)

Department	Course #	Course Name	Hours	RCI
Electrical Engineering	2312	Electrical Engineering Science I	3	
	2313	Engineering Science I Lab	1	
	2322	Electrical Engineering Science II	3	
	2323	Electrical Engineering Science II Lab	1	
	2612	Digital Circuit Design	3	
	2613	Digital Circuit Design Lab	1	
	3512	Signals: Continuous & Discrete	4	
	3712	Intro. to Electromagnetic Fields & Waves	3	
	3522	Stochastic Processes, Signals & Systems	3	
	3612	Microprocessor Systems	3	
	3613	Microprocessor Systems Lab	1	
	3312	Electrical Devices & Circuits	3	
	3313	Electrical Devices & Circuits Lab	1	
	3412	Classical Control Systems	3	WI
	4413	Modern Control Theory Lab	1	
	3196*	Technical Communications	3	
	4512	Analog & Digital Communications	3	
	4513	Analog & Digital Communications Lab	1	
Engineering	1101	Introduction to Engineering & Eng. Tech.	2	
	2335	Mechanics I	3	
	4169	Engineering Seminar	1	
	4196	Senior Design Project I	1	WI
	4296	Senior Design Project II	3	WI
C+IN SC <i>or</i> Engineering	1057 1117	Computer Programming in C <i>or</i> Engineering Graphics	3	QB
Electives		(can be either 3 or 4 s.h. courses)	10 (minimum)	
Total Hours for Electrical Engineering Major:			124 (minimum)	

* Pending approval

Required Courses: Computer Engineering Concentration (64 s.h. minimum)

Total credit hours for Computer Engineering concentration is 124. Other required courses for this concentration include Mathematics and Science, and General Education (for new freshmen) or Core (for new transfer students).

Department	Course #	Course Name	Hours	RCI
Electrical Engineering	2312	Electrical Engineering Science I	3	
	2313	Electrical Engineering Science I Lab	1	
	2322	Electrical Engineering Science II	3	
	2323	Electrical Engineering Science II Lab	1	
	2612	Digital Circuit Design	3	
	2613	Digital Circuit Design Lab	1	
	3512	Signal: Continuous & Discrete	4	
	3522	Stochastic Processes, Signals & Systems	3	
	3612	Microprocessor Systems	3	
	3613	Microprocessor Systems Laboratory	1	
	3196*	Technical Communications	3	WI
	3622	Embedded System Design	3	
	3623	Embedded System Design Lab	1	
	4512	Analog & Digital Communications	3	
	4513	Analog & Digital Communications Lab	1	
	4612	Advanced Microprocessor Systems	3	
Engineering	1101	Introduction to Engineering & Eng. Tech.	2	
	4169	Engineering Seminar	1	
	4196	Senior Design Project I	1	WI
	4296	Senior Design Project II	3	WI
C+IN SC	1166	Math Concepts in Computing I	4	
	1068	Program Design & Abstraction	4	
	2168	Data Structures	4	
C+IN SC <i>or</i> Engineering	1057	Computer Programming in C <i>or</i>	3	QB
	1117	Engineering Graphics		
Electives		(can be either 3 or 4 s.h. courses)	5 (minimum)	
Total Hours for Computer Engineering Concentration:			124 (minimum)	

* Pending approval

Required Courses: Bioelectrical Engineering Concentration (64 s.h. minimum):

Total credit hours for Bioelectrical Engineering Concentration is 124. Other required courses for this concentration include Mathematics and Science, and General Education (for new freshmen) or Core (for new transfer students).

Department	Course #	Course Name	Hours	RCI
Electrical Engineering	2312	Electrical Engineering Science I	3	
	2313	Electrical Engineering Science I Lab	1	
	2322	Electrical Engineering Science II	3	
	2323	Electrical Engineering Science II Lab	1	
	2612	Digital Circuit Design	3	
	2613	Digital Circuit Design Lab	1	
	3512	Signal: Continuous & Discrete	4	
	3522	Stochastic Processes, Signals & Systems	3	
	3712	Intro. to Electromagnetic Fields & Waves	3	
	3612	Microprocessor Systems	3	
	3613	Microprocessor Systems Laboratory	1	
	3196*	Technical Communications	3	WI
	3622	Embedded System Design	3	
	3623	Embedded System Design Lab	1	
	4512	Analog & Digital Communications	3	
	4513	Analog & Digital Communications Lab	1	
	3412	Classical Control Systems	3	
	4413	Modern Control Theory Lab (optional)		
	4522	Digital Signal Processing	3	
Engineering	1101	Introduction to Engineering & Eng. Tech.	2	
	3725	Cell Biology for Engineers	3	
	4169	Engineering Seminar	1	
	4196	Senior Design Project I	1	WI
	4296	Senior Design Project II	3	WI
Biology	1011	General Biology I	4	SA
	1012	General Biology II	4	SB
C+IN SC	1057	Computer Programming in C	3	QB
Total Hours for Bioelectrical Engineering Concentration:			124 (minimum)	

* Pending approval

Additional Courses in Electrical & Computer Engineering

With the approval of the department chair, students could take selected courses from another concentration area within the department, which are counted as approved electives. The following courses also serve as approved electives for all students.

Department	Course #	Course Name	Hours	RCI
Electrical Engineering	4312	Microelectronics	3	
	4542	Telecommunications Engineering	3	
	4422	Digital Control Systems	3	
	4322	VLSI Systems Design	3	
	3732	Electromechanical Energy Systems	3	
	4712	Modern Power Engineering & Electronics	3	
	3722	EM Wave Propagation	3	
Engineering	4116	Spacecraft Systems Engineering	3	

Mechanical Engineering

M. Kiani, Chair
R. Cohen, Program Coordinator
Room 607A, Engineering and Architecture Building
215-204-6245

Program Goals, Objectives & Design Integration

The mission of the Mechanical Engineering Department is to provide an excellent educational experience for the students in its programs. This experience includes an emphasis on the technical, communication, and teamwork skills that graduate engineers need to succeed, in both the workplace and society in general. In order to achieve these goals, the department places great importance on teaching, research, scholarship, engineering practice, and service to the university community and the Engineering profession. The mechanical engineering program is structured to prepare the graduate for the professional practice of engineering and/or graduate school. The curriculum emphasizes a rigorous treatment of the mathematical and scientific approach to the solution of engineering problems. It provides a coherent set of courses in energy conversion and structures/motion in mechanical systems. The program has design across the curriculum and is capped with an integrated design experience in the form of a senior project.

A Bioengineering concentration is available in Mechanical Engineering. Contact the department for details.

Most technical courses in the program are offered during the day only.

Summary of Requirements

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

All Temple students must take a minimum of two writing-intensive courses as part of the major. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

Foundation Science & Math Courses for Mechanical Engineering

Department	Course #	Course Name	Hours	RCI
Calculus Sequence Plus Elective				
Math	1041	Calculus I	4	QB
Math	1042	Calculus II	4	
Math	2043	Calculus III	4	
Math	2101	Linear Algebra	3	
Math	3041	Differential Equations I	3	
Physics	1061	Elementary Classical Physics I	4	SA
Physics	1062	Elementary Classical Physics II	4	SB
Chemistry	1031	General Chemistry I	3	SA
Chemistry	1033	General Chemistry I Lab	1	SA
Subtotal			30	

Required Communications, Humanities, & Social Science for Mechanical Engineering

Department	Course #	Course Name	Hours	RCI
English	0802	Analytical Reading & Writing	4	GW
English	2696	Technical Writing	3	WI
GenEd/Core	Electives	Humanities and Social Science - Various* (Core Studies in Race may satisfy another Core category)	21	
Elective		Free Elective	2 (minimum)	
Subtotal			30	
* See advisor for recommended courses, particularly if transfer student.				

Required Engineering Courses for Mechanical Engineering - Mechanical Engineering Track

Department	Course #	Course Name	Hours	RCI
Mechanical Engineering	2305	Measurements & Dynamics Laboratory	1	
	3301	Machine Theory & Design	3	
	3305	Materials Laboratory	1	
	3421	Dynamic Systems	3	
	3506	Fluids & Energy Laboratory I	1	
	4405	Vibrations & Controls Laboratory	1	
	4506	Energy Conversion Laboratory	1	
	4571	Advanced Thermodynamics & Combustion	3	
	4572	Heat & Mass Transfer	3	
	4422	Mechanical Vibrations	3	
Electrical Engineering	2112	Electrical Devices & Systems I	3	
	2113	Electrical Devices & Systems I Lab	1	
Engineering	1101	Introduction to Engineering & Eng. Tech.	2	
	1117	Engineering Graphics	3	
	2331	Engineering Statics	3	
	2332	Engineering Dynamics	3	
	2333	Mechanics of Solids	3	
	3096	Economic Analysis	3	WI
	3117	Computer-Aided Design	3	
	3496	Materials Science for Engineers	3	WI
	3553	Mechanics of Fluids	3	
	3571	Classical & Statistical Thermodynamics	3	
	4169	Engineering Seminar	1	
	4196	Senior Design Project I	1	WI
	4296	Senior Design Project II	3	WI
Mechanical Engineering	Electives		6	
Subtotal			64	
Total Hours for the Mechanical Engineering Major:			124 (minimum)	

Required Engineering Courses for Mechanical Engineering - Bioengineering Track

Students in the Bioengineering Track should follow the Mechanical Engineering Track listed above, with the following exceptions:

- Take Engineering 3719: *Introduction to Bioengineering* instead of Mechanical Engineering 4571.
- Take Engineering 3725: *Cell Biology for Engineers* instead of Mechanical Engineering 4422.

Also, other Bioengineering electives include:

- Engineering 4741: *Biomaterials for Engineers*
- Mechanical Engineering 4731: *Cardiovascular Fluid Dynamics*

Students are required to complete a minimum of 124 credit hours for the Bioengineering Track in the Mechanical Engineering major.

Construction Management Technology

P. Udo-Inyang, Program Coordinator
Room 509, Engineering and Architecture Building
215-204-7831

Program Goals & Objectives

The baccalaureate curriculum in Construction Management Technology (CMT) prepares a student for a practitioner's role in construction management or structural design.

Graduates are qualified for jobs as structural designers and detailers, construction field supervisors, estimators, expeditors, construction cost analysts, schedulers, plan examiners for government agencies that control construction, and liaison personnel in plant engineering departments of large manufacturing organizations. Day and evening courses are available; however, most technical courses are offered in the evening only. While the day program requires a minimum of four years, a completed evening program may extend over eight to twelve years.

This program is accredited by the Technology Accreditation Commission (TAC) of the Accreditation Board for Engineering and Technology, Inc. ([ABET](http://www.abet.org)) (* see address below)

* Address:

Accreditation Board for Engineering and Technology Inc.
111 Market Pl., Suite 1050
Baltimore, MD 21202
www.abet.org

Summary of Requirements

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

All Temple students must take a minimum of two writing-intensive courses as part of the major. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

Foundation Science & Math Courses

Department	Course #	Course Name	Hours	RCI
Math	1022	Precalculus	4	QA
Math	1031	Differential & Integral Calculus	4	QB
Math	Elective	Approved Math Electives	7	
Physics	1021	Introduction to General Physics I	4	SA
Physics	1022	Introduction to General Physics II	4	SB
Science	Elective	Earth & Environmental Science or Chemistry	3	
Subtotal			26	

Required Communications, Humanities, & Social Science

Department	Course #	Course Name	Hours	RCI
English	0802	Analytical Reading & Writing	4	GW
English	2696	Technical Writing	3	WI
Economics	1101	Macroeconomic Principles	3	IN
	<i>or</i> 1102	<i>or</i> Microeconomic Principles		IN
Humanities/ Social Science*	Electives	GenEd Requirements (for freshmen)	21	
		<i>or</i> University Core Electives (for transfer students)	18	
Subtotal			28	

* See advisor for recommended courses, particularly if a transfer student.

Required Engineering Courses for CMT

Department	Course #	Course Name	Hours	RCI
CCET	2124	Construction Methods & Materials	3	
CCET	2125	Construction Contracts & Specifications	3	
CCET	2271	Building Systems	3	
CCET	3121	Construction Estimating	3	
CCET	3123	Construction Estimating Laboratory	1	
CCET	3145	Structural Analysis	3	
CCET	3322	Construction Planning & Scheduling	3	
CCET	3333	Soil Mechanics	3	
CCET	3351	Applied Hydraulics	3	
CCET	4335	Steel & Wood Structures	3	
CCET	4336	Concrete & Masonry Design	3	

CCET	4355	Transportation Systems & Management	3	
CCET	4396	Capstone in Construction	3	WI
Subtotal for Civil & Construction Engineering Technology			37	
Civil Engineering	1010	Computers & Special Topics	3	
Civil Engineering	1105	Surveying	2	
Civil Engineering	2341	Construction Materials Laboratory	2	
Civil Engineering	2396	Environmental & Safety Aspects of Construction	2	WI
Subtotal for Civil Engineering			9	
Engineering	1101	Introduction to Engineering & Eng. Tech.	2	
Engineering	1117	Engineering Graphics	3	
Engineering	2331	Engineering Statics	3	
Engineering	2333	Mechanics of Solids	3	
Engineering	3096	Economic Analysis	3	WI
Subtotal for Engineering			14	
Engineering Tech.	4119	Professional Seminar	1	
Subtotal for Engineering Technology			1	
Specialty Electives		Must be approved prior to registration (see below for suggested courses)	9	
Subtotal for electives			9	
Subtotal for Required Courses			70	
Total Required Hours for Construction Management Technology			124	

Approved Specialty Electives				
Department	Course #	Course Name	Hours	RCI
Economics	1101	Macroeconomic Principles	3	IN
	<i>or</i> 1102	<i>or</i> Microeconomic Principles	3	IN
Human Resource Management	1101	Organization & Management	3	
MSOM	3101	Operations Management	3	
Marketing	2101	Marketing Management	3	
Finance	3101	Financial Management	3	
CCET	<i>or</i> 4973	<i>or</i> Construction Financial Management	3	
RSK MGT	2101	Introduction to Risk Management	3	
ET	2521	Applied Fluid Mechanics	3	
ET	3323	Dynamics	3	

ET	3396	Materials Technology	3	WI
ET	3532	Thermodynamics	3	
Other CE/ENGR/ ET courses		varies	3	
Accounting	2101	Financial Accounting	3	
Accounting	2102	Managerial Accounting	3	

Engineering Technology

Dr. Steven Ridenour, Acting Program Head
Room 326, Engineering and Architecture Building
215-204-8825
sridenou@temple.edu
www.temple.edu/engineering/engineering_technology.htm

Program Objectives

This program is offered on the Main Campus with some courses available at Temple University Ambler. Students may complete all required coursework at night. The curriculum in Engineering Technology provides a broad base of technological skills extending across the traditional fields of engineering technology with a concentration designed by the student and faculty advisor to meet personal and career objectives. A plan of study can be developed with a focused track such as construction, environmental, computer, mechatronics, or energy. This program is accredited by the Technology Accreditation Commission (TAC) of the Accreditation Board for Engineering and Technology, Inc. ([ABET](http://www.abet.org)).

* Address:
Accreditation Board for Engineering and Technology, Inc.
111 Market Pl., Suite 1050
Baltimore, MD 21202
www.abet.org

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

All Temple students must take a minimum of two writing-intensive courses as part of the major. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

Foundation Science & Math Courses in Engineering Technology

Department	Course #	Course Name	Hours	RCI
Math	1022	Precalculus	4	QA
Math	1031	Differential & Integral Calculus	4	QB
Math	Electives	Approved Math Electives	3	
Statistics	2101	Statistical Methods & Concepts	3	QB
Physics	1021	Introduction to General Physics I	4	SA
Physics	1022	Introduction to General Physics II	4	SB
Chemistry	1031	General Chemistry I	3	SA
Chemistry	1033	General Chemistry I Lab	1	SA
Subtotal			26	

Required Communications, Humanities, & Social Science

Department	Course #	Course Name	Hours	RCI
English	0802	Analytical Reading & Writing	4	GW
English	2696	Technical Writing	3	WI
STOC	1111	Public Speaking	3	
GenEd or Core	Electives	GenEd Requirements (for freshmen - see table below) or University Core Requirements (for transfer students)	21 18-21	
Economics	1102	Microeconomic Principles	3	IN
Subtotal			30-33	

GenEd Requirements for New Freshmen

Department	Course #	Course Name	Hours	RCI
IH	0851	Mosaic: Humanities Seminar I	3	GY
IH	0852	Mosaic: Humanities Seminar II	3	GZ
GenEd	08xx	U.S. Society	3	GU
GenEd	08xx	World Society	3	GG
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	The Arts	3	GA
GenEd	08xx	Race & Diversity	3	GD
Subtotal			21	

Required Engineering Courses for Engineering Technology

Department	Course #	Course Name	Hours	RCI
EE	2112	Electrical Devices & Systems I	3	
EE	2113	Electrical Devices & Systems I Lab	1	
ENGRG	1101	Introduction to Engineering & Eng. Tech.	2	

ENGRG	1117	Engineering Graphics	3	
ENGRG	2331	Engineering Statics	3	
ENGRG	2333	Mechanics of Solids	3	
ENGRG	3096	Economic Analysis	3	WI
ENVT	1051	Introduction to the Environment	3	SB
ET	2521	Applied Fluid Mechanics	3	
ET	3396	Materials Technology	3	WI
ET	4119	Professional Seminar	1	
ET	4161	Capstone Project	3	
Electives		Technical Electives	24	
Subtotal			55	
Electives		Free Open Electives	12	

Total Required Hours for Engineering Technology	124
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Engineering (Undeclared)

Steven M. Ridenour, Program Coordinator
Room 326, Engineering and Architecture Building
215-204-8825
sridenou@temple.edu

The College of Engineering has added an undeclared engineering program for those students interested in engineering but undecided on a particular field of study. Courses in this program have been determined for the first year only, since it is assumed that students will choose a curriculum following their first year of study.

Summary of Requirements

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

Suggested First-Year courses for this program are:

Foundation for Undeclared Engineering Majors				
Department	Course #	Course Name	Hours	RCI
Math	1041	Calculus I	4	QB
Math	1042	Calculus II	4	
Physics	1061	Elementary Classical Physics I	4	SA
Chemistry	1031 & 1033	General Chemistry I and Lab	4	SA
English	0802	Analytical Reading & Writing	4	GW
GenEd <i>or</i> Core		GenEd Requirements (for freshmen) <i>or</i> University Core Requirements (for transfer students)	6	

Required First Year Engineering Courses				
Department	Course #	Course Name	Hours	RCI
Engineering	1101	Intro to Engineering & ET	3	
Engineering	1117	Engineering Graphics <i>or</i>	3	
Civil Engineering	1105 & 1115	Surveying and Surveying Lab <i>or</i>	3	
C+IN SC	1057	Programming in C	3-4	QB

COLLEGE OF HEALTH PROFESSIONS

Founded 1966

Ronald T. Brown, Ph.D., Dean
College of Health Professions
Health Sciences Campus
3307 N. Broad Street
215-707-4800
www.temple.edu/chp

Mission

The College of Health Professions prepares future generations of professionals through an intellectual environment that incorporates interdisciplinary collaboration, critical thinking and innovation, instilling a commitment to ethical practice and life-long learning. Exemplary research, teaching and service are informed by our engagement with professional and community (regional/national/global) partners and shape the direction of our fields.

Since its inception in 1966, the college has prepared well-rounded practitioners who are sensitive to patient/client needs and whose professional competence is built on a solid foundation of clinical theory, laboratory practice, and clinical fieldwork/internships. The college offers seven undergraduate programs that include Athletic Training, Communication Sciences, Health Information Management, Kinesiology, Nursing, Public Health, and Therapeutic Recreation. Students graduating with a B.S. degree from Health Information Management, Kinesiology, Nursing, Public Health, or Therapeutic Recreation meet the entry-level requirements of their professions and are qualified to take state and/or national examinations leading to certification or licensure in their fields.

At the graduate level, the college offers health professional programs in Kinesiology, Nursing, Occupational Therapy, Physical Therapy, Public Health, Speech-Language-Hearing, and Therapeutic Recreation. For Occupational Therapy, Physical Therapy, and Speech-Language-Hearing, completion of the graduate-level degree is required for certification and licensure in the profession. Students interested in these graduate programs must first complete a baccalaureate degree in a major commensurate with their interests and skills. Their baccalaureate degree should also include coursework meeting the specific prerequisites for the professional program in which they are interested. Students are encouraged to contact the College of Health Professions for more information and advising.

Admissions

Students may obtain further information about the procedures for undergraduate admission to the College of Health Professions by contacting the specific program in which they are interested, the College of Health Professions Undergraduate Advisor (215-204-6779), or the Dean's Office (215-707-4800). Students can also visit the college's web site at www.temple.edu/chp/

Admission to the programs in Communication Sciences, Kinesiology, Public Health, or Therapeutic Recreation

Entering undergraduates, whether they are freshmen or transferring from other institutions, are admitted to these programs by submitting an application to the Office of Undergraduate Admissions of Temple University. Decisions are based on a review of the applicant's academic credentials. Current Temple students may also enter these programs through intra-university transfer (IUT) within the University. All interested students should direct admission questions to the College of Health Professions Undergraduate Advisor at 215-204-6779 or to the specific department of interest to them.

Admission to the programs in Health Information Management and Nursing

Typically, freshmen interested in Health Information Management or Nursing are admitted to the Division of University Studies. The Division of University Studies provides initial advising to these students and students from other colleges within Temple University who are interested in the professional health programs. However, while enrolled in the Division of University Studies, students interested in Nursing are encouraged to meet with the pre-Nursing advisor in the

Division of University Studies or contact the Nursing Department at 215-707-4686 or via e-mail at nursing@temple.edu.

Students interested in Health Information Management should meet with the pre-Health Information Management advisor in the Division of University Studies or contact the chairperson of the Health Information Management Department at 215-707-4811 or via e-mail at hlthinfo@temple.edu.

During the completion of their first pre-professional year, students interested in admission to Health Information Management or Nursing must apply to these programs. Applications may be made prior to completing all the prerequisites and Core/General Education courses and should be received one year prior to admission into the professional program. However, prior to starting the professional program in Nursing or Health Information Management, a student must complete a minimum of 55 credits of pre-professional college work, which includes the University Core or General Education Curriculum at Temple University or another university or college. The student must achieve transferable grades in all prerequisites and have a competitive grade point average (GPA) for initial consideration.

Current Temple University Students transferring to Communication Science, Kinesiology, Public Health, or Therapeutic Recreation

Students interested in transferring into Communication Science (Speech-Language-Hearing or Linguistics), Kinesiology, Public Health and Therapeutic Recreation must attend a group advising session during the fall or spring semester. You should contact the College of Health Professions Undergraduate Advisor at 215-204-6779 or via e-mail at monicar@temple.edu to find out dates and times for upcoming sessions. Transfer applications (IUT's) will not be processed until the student attends the group advising session. Intra-university transfer students will be notified of the decision in a letter from the Dean's Office. A minimum GPA of 2.0 is required for admission to any of these programs.

Current Temple University Students transferring to Nursing or Health Information Management

Students should contact the College of Health Professions Dean's office at 215-707-4800. Students must send the application and a \$15.00 deposit to the Office of the Dean and comply with all admission requirements of the individual program. Applicants are notified of a final decision in a letter from the College of Health Professions. An acceptance letter will include the departmental required courses to be taken when applicable and semester in which study is to begin. Students will be requested to confirm their acceptance of admission with a \$100.00 tuition deposit.

Academic Advising

The College of Health Professions Academic Advising Center, located at 1700 N. Broad St., Suite 310B, provides advisement for transfer and intra-university transfer students, students interested in learning more about programs in the health professions, and students with fewer

than 60 credits in Communication Sciences, Public Health, and Therapeutic Recreation. Students interested in Kinesiology should meet with an advisor. The Kinesiology department is located in Room 114, Pearson Hall.

Students admitted to Health Information Management and Nursing and students in Communication Sciences, Public Health, and Therapeutic Recreation who have greater than 60 credits are advised by faculty in their academic department. Pre-Nursing and Pre-Health Information Management students are advised in the Academic Resource Center (ARC), located on the first floor of 1810 Liacouras Walk. It is recommended, and in some cases required, that students consult with an advisor prior to registration. The advisor will review the proposed coursework and inform students of the requirements for graduation. In addition, the advisor helps students achieve breadth in their curriculum and provides other needed assistance.

Academic advisors strive to avoid errors when advising students about program requirements, although the college cannot assume liability for errors in advising. Students must, therefore, assume primary responsibility for knowing the requirements for their degree and for acquiring current information about their academic status.

Policies & Regulations

Students are responsible for complying with all University-wide academic policies that apply to their individual academic status (Please see the [Undergraduate Academic Policies](#)). Additional and unique policies, or exceptions for the College of Health Professions, appear below.

Attendance

The College of Health Professions desires to promote professional responsibility among its students. It is, therefore, the policy of the college to place the responsibility for class attendance upon the students. Students are accountable for all work missed due to absence. Instructors are not required to make special arrangements or examinations for students who are absent. There are certain courses that require a minimum number of hours of student participation in laboratory or clinical experiences, as established by the professional accrediting agency and/or the academic department concerned. At the beginning of each such course, the department shall make the attendance requirement clearly known to the enrolled students. Excessive absences may, at the option of the department, jeopardize the student's grade and/or continuance in the course. If, in the opinion of the department, a student is absent to the point of endangering his or her successful completion of a course, an official warning shall be issued through the department. If the absences continue, the student may receive a failing grade.

Dean's List

Students who complete a minimum of 12 semester hours and earn a semester GPA of 3.50 will be placed on the Dean's List. Students who earn "I"s or "NR"s for that semester will not be eligible.

Ethics

Since students of the College of Health Professions are enrolled in professional programs, they are expected to abide by standards of professional conduct and behavior at all times.

Program Performance

The grading system is in accordance with the system adopted by Temple University. For students enrolled in this college, a grade of C is the lowest acceptable final grade in major courses. Students not achieving a grade of C or better are required to repeat those courses in which they have failed to demonstrate acceptable performance.

Student Code of Professional Conduct

The College of Health Professions prepares practitioners to fulfill their ideals of service in the health care setting. In attaining these goals, practitioners must demonstrate exemplary professional behavior, as this is the keystone of the professional associations of the seven disciplines within this college. The Code of Conduct of Temple University's College of Health Professions is intended to contribute to an environment in which excellence in learning and conduct may be fostered.

All terms of the Students' Rights, Code of Conduct, and Disciplinary Procedures for Temple University apply to students within the College of Health Professions. In addition to the major violations noted by the University Code, another action has been identified by the faculty of the college as constituting a major infraction of the Code: "Unethical conduct or intentional neglect of duty on clinical practice."

College Graduation Requirements

For the College of Health Professions, see the individual programs of study for graduation requirements.

Student Contact Information

Students are asked to call the College of Health Professions Advising Office at 215-204-6779, the department, or the Dean's Office at 215-707-4800 with questions regarding the college or specific departments. For contact information in a specific department, visit the web site at www.temple.edu/chp. Also, click the links at left for specific department and program information.

College of Health Professions Faculty

Administration

Ronald T. Brown, Ph.D., Dean.
Donna Weiss, Ph.D., Associate Dean for Faculty and Academic Affairs
Vickie Sierchio, M.S., Director of Human Resources

Communication Sciences & Disorders

Professor

Reinhardt Heuer, Ph.D., University of Oregon
Aquiles Iglesias, Ph.D., The University of Iowa

Associate Professor

Brian Goldstein, Ph.D., Acting Chair, Temple University
Camillia Keach, Ph.D., University of Massachusetts
Rena Krakow, Ph.D., Yale University
Nadine Martin, Ph.D., Temple University
Barbara Mastriano, Ph.D., Temple University
Brian McHugh, Ph.D., University of California at Los Angeles
Gary Milsark, Ph.D., Massachusetts Institute of Technology

Clinical Instructor

Doris Fallon Snyder, M.A., Temple University
Beth Levine, M.S., Boston University

Health Information Management

Associate Professor

Laurinda B. Harman, Ph.D., Chair, The Fielding Institute

Assistant Professor

Cathy A. Flite, M.Ed., RHIA, Widener University
Margaret M. Foley, Ph.D., M.B.A., RHIA, CCS Temple University
Mary Elizabeth Morton, M.L.I.S., RHIA, Louisiana State University

Nursing

Professor

Nancy Rothman, R.N., Ed.D., Independence Foundation Professor, Temple University
Frances Ward, PhD., R.N., APNC, New York University

Associate Professor

Patricia Dillon, R.N., D.N.Sc., Widener University
Susan B. Dickey, R.N., Ph.D., University of Pennsylvania
Jane Kurz, R.N., Ph.D., University of Delaware
Rhonda Maneval, M.S.N., Ed.D., Pennsylvania State University
Karen M. Schaefer, R.N., Ph.D., Associate Chair, Catholic University
Dolores Zygmunt, R.N., Ph.D., Temple University

Assistant Professor

Diane C. Adler, R.N., Ph.D., FAAN, FCCM, University Of Pennsylvania
Pamela Bender, M.S.N., CRNP, Villanova University
Kathleen Black, R.N., D.N.Sc., Widener University
Carol Dakin, R.N., Ph.D., University of Pennsylvania
Patricia Dillon, R.N., D.N.Sc., Widener University
Evelyn Dogbey, R.N., M.S.N., Temple University
Elaine Gross, R.N., M.S.N., Villanova University
Anne-Marie Kiehne, R.N., M.S.N., Ph.D. Temple University
Kathleen Mahoney, CRNP, Ph.D., New York University
Lori Martin-Plank, M.S.P.H., M.S.N., APRN, BC, Villanova University
Kim Noble, R.N., Ph.D., Temple University
Ann Pron, R.N., M.S.N., CRNP, University of Pennsylvania

Clinical Instructor

Patricia DiGiacomo, M.S.N., Temple University
Felicia Jones-Haskins, M.S.N., Widener University
Monica Jelic, M.S.N., M.P.H., Boston University
Elizabeth Westgard, M.S.N., Drexel University

Public Health

Professor

Thomas F. Gordon, Ph.D., Michigan State University
Alice Hausman, Ph.D., Chair, SUNY-Binghamton; M.P.H., Harvard University
Robert Patterson, Sc.D., Harvard University

Sheryl Ruzek, Ph.D., University of California-Davis; M.P.H., University of California-Berkeley
Jay Segal, Ph.D., Ohio State University

Associate Professor

Sarah Bass, Ph.D., Temple University
Nikki Franke, Ed.D., Temple University
Clara Haignere, Ph.D., University of Denver; M.P.H., Columbia University; CHES
Grace Ma, Ph.D., University of Oklahoma
Brenda Seals, Ph.D., University of Iowa

Assistant Professor

Bradley N. Collins, Ph.D., Binghamton University
Judith E. Gold, Sc.D., University of Massachusetts
Alexandra L. Hanlon, Ph.D., Temple University
Jennifer K. Ibrahim, Ph.D., University of California–Berkeley
Deborah Brooks Nelson, Ph.D., University of Pittsburgh

Therapeutic Recreation

Professor

John Shank, Ed.D., Chair, Boston University; CTRS
Yoshitaka Iwasaki, Ph.D., University of Waterloo

Associate Professor

Catherine Coyle, Ph.D., Temple University; CTRS
Adam Davey, Ph.D., Pennsylvania State University

Clinical Associate Professor

Barbara Wilhite, Ed.D., University of Georgia; CTRS

Clinical Assistant Professor

Susanne Lesnik-Emas, Ed.D., Temple University; CTRS
Rhonda Nelson, Ed.M., Temple University; CTRS

Clinical Instructor

Nannette Vliet, Ed.M., Temple University; CTRS

Emeritus Faculty

Professor

Nellie M. Bering
Hyman L. Dervitz
Jill B. Derstine
Catherine Dietz
Amy Blatchford Hecht
Helen L. Hopkins
Elaine O. Patrikas
Olive J. Rich
Katherine Shephard
Wanda C. Wilkes
Jean H. Woods
Joan B. Liebler

Associate Professor

Dana G. Close
Elizabeth G. Tiffany

Assistant Professor

Fredra H. Gaines
Charles C. Hampton
Lewis O. Ingersoll
Ruth M. Ingersoll
Dolores S. Patrinos
Carole J. Simon

Communication Sciences & Disorders

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Bachelor of Arts in Communication Sciences

1. The total number of credit hours at graduation may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.
2. Certain courses fulfill multiple requirements. In consultation with your advisor, you will be able to plan your curriculum more effectively.
3. Students must fulfill the necessary prerequisites for any given course or course sequence. See the [Prerequisite and Co-requisite Policy](#) in the Academic Policies section of this *Bulletin*.

The Bachelor of Arts degree in Communication Sciences may be conferred upon a student by recommendation of the faculty upon the satisfactory completion of 122 semester hours of credit with no grade in the major or core areas of C- or below. The Department of Communication Sciences and Disorders (CSC+DIS) requires that students show a basic level of proficiency in a language other than English. This requirement may be met by taking college-level courses up to or beyond the equivalent of the 1002-level or by showing similar knowledge through a placement examination. Students may take *American Sign Language I* (CSC+DIS 5534) and *American Sign Language II* (CSC+DIS 5634) to satisfy this requirement. All students must complete two department core courses, CSC+DIS 2201 (*Introduction to Communication Research*) and CSC+DIS 1596 (*Introduction to Human Communication*), as well as the

requirements of one of two tracks, Speech-Language-Hearing or Linguistics. Students who complete the major may graduate with distinction in the department if they meet the requirements outlined below. In addition to the Major in Communication Sciences and Disorders, the department also offers a Minor.

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshman students starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

All Temple students must take a minimum of two writing-intensive courses as part of the major. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

Summary of Requirements for Graduation with Distinction in the Major

1. GPA of 3.5 or better
2. No grade below B in the major
3. Completion of an honors paper at the end of a 3-credit independent study (CSC+DIS 4979) during which the student will engage in an empirical study or library research in the field of Communication Sciences under the supervision of an honors advisor.
4. Completion of 20 hours of volunteer work, internship, or fieldwork in consultation with the honors advisor.

Communication Sciences Major Requirements

Department	Course #	Course Name	Hours	RCI
CSC+DIS	1596	Introduction to Human Communication (F)	3	WI
CSC+DIS	2201	Introduction to Communication Research (F)	3	
Total			6	

Speech-Language-Hearing Track

Speech-Language-Hearing Track: Summary of Requirements

1. University requirements

General Education or University Core Curriculum, including completion of the Temple Information Literacy Tutorial or [TILT](#) (formerly called Library Orientation); and all students must take Psych 1061 for core requirement in Individual and Society.

2. Departmental Major Requirements as Listed Above.

CSC+DIS 1596 and 2201

3. Track Requirements

CSC+DIS 2197, 2207, 2208, 2217, 2218, 3233, 3234, 3235, 3301, 4301, 4396

Courses in Related Disciplines (Physics 1003, PSYCH 2301)

Course in Biological Science (Biology 1012 suggested)

Speech-Language-Hearing Track: Required Courses in the Major

Department	Course #	Course Name	Hours	RCI
CSC+DIS	2197	Communication Deviations & Disorders (F, S)	3	WI
CSC+DIS	2207	Phonetics (F, S) (Co-req: CSC+DIS 2208)	2	
CSC+DIS	2208	Phonology (F, S) (Co-req: CSC+DIS 2207)	2	
CSC+DIS	2217	Grammatical Description (F) (Co-req: CSC+DIS 2218)	2	
CSC+DIS	2218	Language Processing (F) (Co-req: CSC+DIS 2217)	2	
CSC+DIS	3233	Basic Speech Science (S) (Pre-req: CSC+DIS 2207, CSC+DIS 2208, Physics 1003)	4	
CSC+DIS	3234	Basic Hearing Science (F, SS) (Pre-req.: Physics 1003)	4	
CSC+DIS	3235	Human Neuroscience (F, S)	4	
CSC+DIS	3301	Speech & Language Development (S) (Pre-req.: CSC+DIS 1108 or 2201 or English 2821 or CSC+DIS 2207, 2208 and 2217)	3	
CSC+DIS	4301	Principles of Audiology (F) (Pre-req: CSC+DIS 3234)	3	
CSC+DIS	4396	Orientation to Clinical Management (S) (Pre-req: Senior Status)	3	WI*
Total			32	

*Indicates writing capstone for major

Speech-Language-Hearing Track: Required Courses, Related Areas

Department	Course #	Course Name	Hours	RCI
Psychology	2301	Developmental Psychology	3	
Physics	1003	Acoustics	3	SA
Biology	1012	General Biology II	4	SB
Total			10	

*Another course in biological science may be substituted with advisor approval.

Linguistics Track

Linguistics Track: Summary of Requirements

1. University requirements

General Education or University Core Curriculum, including completion of the Temple Information Literacy Tutorial or [TILT](#) (formerly called Library Orientation).

2. Departmental Major Requirements as Listed Above

CSC+DIS 1596 and 2201

3. Track Requirements

CSC+DIS 1108, 2207, 2208, 3233, 3297, 3301, 4397

At least four elective courses chosen from the Recommended Electives list below. Other courses may be substituted with advisor approval.

Linguistics Track: Required Courses in the Major

Department	Course #	Course Name	Hours	RCI
CSC+DIS	1108	Introduction to Linguistics (F, S)	3	
CSC+DIS	2207	Phonetics (F, S) (Co-req: CSC+DIS 2208)	2	
CSC+DIS	2208	Phonology (F, S) (Co-req: CSC+DIS 2207)	2	
CSC+DIS	3233	Basic Speech Science (S) (Pre-req: CSC+DIS 2207, CSC+DIS 2208, Physics 1003)	4	
CSC+DIS	3297	Syntax (S)	3	WI
CSC+DIS	3301	Speech & Language Development (S) (Pre-req: CSC+DIS 1108 or English 2821 or CSC+DIS 2207, 2208 and 2217)	3	
CSC+DIS	4397	Fieldwork in Linguistics (S) (Pre-req: CSC+DIS 2207, 2208, 3297)	3	WI*
Total			20	

*Indicates writing capstone for major

Linguistics track, recommended electives - must take at least four (4)

Department	Course #	Course Name	Hours	RCI
CSC+DIS	2197	Communication Deviations & Disorders (F, S)	3	WI
CSC+DIS	2217	Grammatical Description (F)	2	
CSC+DIS	2218	Language Processing (F) (Pre-req: CSC+DIS 2217)	2	
CSC+DIS	3235	Human Neuroscience (F, S)	4	
CSC+DIS	5729	Language & Deafness	3	
English	3822	Semantics (S)	3	
English	3823	History of the English Language (SS)	3	
Anthropology	2507	Fundamentals of Linguistic Anthropology (F, S, SS)	3	
Philosophy	3211	Intermediate Logic (S)	3	
Philosophy	3216	Philosophy of Science (S)	3	
Philosophy	4251	Philosophy of Language (F)	3	
Psychology	2101	Foundations of Cognitive Psychology (S, SS)	3	
Courses in a foreign language (including American Sign Language) beyond those numbered "1002" (limit: two courses).				

Communication Sciences Minor Requirements

Five required courses in the department, plus an additional two or three courses from among a list of five in the department.

Department	Course #	Course Name	Hours	RCI
CSC+DIS	1596	Introduction to Human Communication (F)	3	WI

CSC+DIS	2111	Language & Race (S)	3	RS
CSC+DIS	2197	Communication Deviations & Disorders (F, S)	3	WI
CSC+DIS	2207	Phonetics (F, S) (Co-req: CSC+DIS 2208)	2	
CSC+DIS	2208	Phonology (F, S) (Co-req: CSC+DIS 2207)	2	
<i>Select either 1108 or both 2217 & 2218:</i>				
CSC+DIS	1108	Introduction to Linguistics (F, S, SS)	3	
CSC+DIS	2217	Grammatical Description (F) (Co-req: CSC+DIS 2218)	2	
CSC+DIS	2218	Language Processing (F) (Co-req: CSC+DIS 2217)	2	
<i>Plus, select one of the following:</i>				
CSC+DIS	3297	Syntax	3	WI
CSC+DIS	3301	Speech & Language Development (S)	3	

Health Information Management

Laurinda B. Harman, Ph.D., RHIA, Chair
 3307 N. Broad Street, Philadelphia, PA 19140
 215-707-4811
hlthinfo@temple.edu
www.temple.edu/him/

A career as a Health Information Management (HIM) professional allows individuals to combine interests in health care, business, and information technology. HIM professionals have expertise in health informatics, which requires knowledge of clinical medicine and the electronic health record (EHR). This individual also has expertise in coding and classification systems, quality and human resource management, the legal and ethical aspects of health information systems, the regulatory and accrediting agency requirements, and the public policy issues that affect the health information system. Clinical internships are scheduled at several health care institutions.

The HIM professional works closely with all other health professionals to collect and disseminate the information needed to provide high-quality patient care. The health information system supports the needs of patients, health care professionals, administrators, the community, and those involved in research and education. Job opportunities include positions with hospitals and other health care institutions, research and pharmaceutical firms, and governmental agencies. Career opportunities for the HIM professional include: Information Security Officer, Director of Integrated Health Information Systems, Director of Medical Records, Research and Decision-Support Analyst, Clinical Data Specialist, Data Resource Administrator, Patient Information Manager and Clinical Coding Specialist.

Certification

Following satisfactory completion of all course requirements, the graduate is awarded the degree of Bachelor of Science in Health Information Management and is eligible to write the examination of the American Health Information Management Association for certification as a

Registered Health Information Administrator (RHIA), which is nationally and internationally recognized.

Accreditation

The baccalaureate program in Health Information Management at Temple University is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

Requirements

This is an upper-level program, and students are admitted in the fall of the junior year and must have 55 credits completed by the fall semester of admission to the program. Transfer students must have their transfer credits evaluated by the admissions office and must meet core and prerequisite requirements of the program.

1. University requirements – All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshman students starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum (Analytical Reading & Writing, Mosaic I and II, Arts, Human Behavior, World Society, U.S. Society, Race & Diversity, Science & Technology, Quantitative Literacy).

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum (American Culture, The Arts, English Composition, Intellectual Heritage, Individual & Society, International Studies or Language, Studies in Race, and Writing-Intensive courses).

All Temple students must take a minimum of two writing-intensive courses as part of the major. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

2. Program requirements - Health Information Management prerequisites. The prerequisites for the Health Information Management curriculum include courses that fulfill the GENERAL EDUCATION requirements.

Quantitative Literacy: GW - Math 0823 (Math for a Digital World) OR Math 0824 (Mathematical Patterns)

Mathematics 1013 (Elements of Statistics) OR Psychology 1167 (Foundations in Statistical Methods) OR Sociology 1167 (Social Statistics).

Science and Technology: Kinesiology 1223 & 1224 (Anatomy & Physiology I & II) and Computer & Information Sciences 1055 (Computers & Applications).

3. Electives: 7-8 credits. Strongly recommended electives include HIM 1101 (Medical Terminology) and computer science, business, and writing intensive electives.

Course Requirements for Health Information Management

Pre-Professional Requirements		
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Department	Course #	Course Name	Hours	RCI
Core Requirements, including the following prerequisites			55	
Math	0823	Math for a Digital World or	4	GW
Math	0824	Mathematical Patterns		
Math	1013	Elements of Statistics or	3	
Psychology	1167	Foundations in Statistical Methods or	3	
Sociology	1167	Social Statistics	3	
Kinesiology	1223	Human Anatomy & Physiology I	4	GS
Kinesiology	1224	Human Anatomy & Physiology II	4	GS
Computer & Information Sciences	1055	Computers & Applications	4	GS
Total			18	

Professional Curriculum				
Junior Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
HIM	3101	Health Information Systems in Acute Care	4	
HIM	3103	U.S. Health Care System	3	
HIM	3105	Language of Medicine	4	
HIM	3111	Statistics, Research & Registries in Health Care	3	
HIM	3113	Healthcare Database Administration	3	
Total			17	

Junior Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
HIM	3202	Legal Aspects of Health Information Management	3	
HIM	3204	Health Information Systems in Nonacute Care	3	
HIM	3206	Clinical Medicine I	3	
HIM	3208	International Classification of Disease	4	
HIM	3211	Management in Health Information Systems	3	
HIM	*3285	Professional Practice Internship	2	
Total			16-18	

Senior Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
HIM	*3285	Professional Practice Internship	2	

HIM	4101	Health Informatics: Infrastructure & Standards	3	
HIM	4105	CPT Coding	4	
HIM	4107	Quality Improvement in Healthcare	3	
HIM	4109	Clinical Medicine II	3	
HIM	4197	Human Resource Management in Health Information Systems	3	WI^
Total			16-18	

Senior Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
HIM	4202	Health Informatics: Systems & Design	3	
HIM	4204	Systems Analysis in Health Information Management	3	
HIM	4211	Political, Social & Ethical Aspects of HIM	2	
HIM	4213	Healthcare Reimbursement Systems	3	
HIM	4286	Management Internship	3	
HIM	4298	Health Information Management Case Studies	3	WI^
Total			17	

Total Credits Required for Graduation	123
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* Taken in Spring Junior or Fall Senior semester.

^Indicates writing capstone for major.

Kinesiology

Rick Swalm, Undergraduate Coordinator

215-204-8713

rswalm@temple.edu

www.temple.edu/chp/departments/kinesiology/index.html

The undergraduate program in Kinesiology leading to the Bachelor of Science degree requires students to complete coursework in three broad areas: the General Education (GenEd) Curriculum (for new freshmen) or the university Core Curriculum (for new transfer students), the Kinesiology Core, and a professional application of the discipline of Kinesiology.

The university General Education Curriculum is divided into nine categories (i.e., Analytical Reading & Writing, Mosaic I & II, Arts, Human Behavior, World Society, U.S. Society, Race & Diversity, Science & Technology, and Quantitative Literacy). Even though there are numerous courses which can be taken to meet these requirements, the department requires *Human Anatomy and Physiology I and II* (Kinesiology 1223 and 1224) for the Science & Technology requirement. All University GenEd courses must be completed with a minimum C- grade in order to count toward graduation.

The university Core Curriculum is divided into ten categories (i.e., Intellectual Heritage, Composition and Writing, Individual & Society, International Studies/Foreign Language,

Quantitative Reasoning, Arts, American Culture, Studies in Race, Science & Technology, and library orientation). Even though there are numerous courses which can be taken to meet these requirements, the department requires *Human Anatomy and Physiology I and II* (Kinesiology 1223 and 1224) for the science and technology requirement and *Psychology as a Social Science* (Psychology 1061) for the individual and society requirement. All University Core courses must be completed with a minimum C- grade in order to count toward graduation.

Kinesiology is the study of physical activity. The Kinesiology Core includes a group of foundation courses (Kinesiology 1201, 1202, 2203, 2204, 3202, 3296, 4279) that deal with the intellectual, physical, social, psychological, and philosophical factors which influence and are influenced by human beings as they move. In addition to taking the foundation courses, students are required to satisfy the forms of movement requirement, which consists of developing knowledge and skills in a broad spectrum of movement activities (i.e., aquatics, fitness, survival, and lifestyle).

The Kinesiology Department offers four professional application options to allow students to concentrate their studies (i.e., the athletic training major, the exercise and sport science program, the physical and health education teacher education (PHETE) program, and the pre-health professional studies program). Students select the professional application option that satisfies their short term educational and professional objectives.

The **Athletic Training Education Major** prepares students to work with physically-active populations at all levels of competition. The certified athletic trainer functions as an integral member of the athletic health care team in secondary schools, colleges, universities, professional teams, and sports medicine clinics, providing leadership in the prevention, evaluation, immediate care, and rehabilitation of sport-related injuries. The athletic training program requires fulfillment of both academic coursework and clinical fieldwork experiences. This program of study is approved by the Commission on the Accreditation of Athletic Training Education (CAATE) and is designed to prepare students for certification as athletic trainers by the Board of Certification (BOC) and for Class "A" certification in the Commonwealth of Pennsylvania.

Admission into the athletic training program occurs upon students identifying athletic training as their intended course of study. This admission may take place either during the freshmen year or any time afterward.

The **Exercise and Sport Science Program** provides students with knowledge and competencies required for professional service in a variety of sport, fitness, wellness and rehabilitation settings. The Exercise and Sport Science Program also prepares students for graduate study in exercise physiology or in a variety of related health professions. Program competencies include health screening, fitness assessment, exercise program development, health-fitness counseling, and therapeutic exercise supervision of patients with special needs. Concentration courses include, but are not limited to: advanced exercise physiology, exercise in health and disease, exercise testing and programming, electrocardiography, exercise and aging, and applied technology. The exercise and sport scientist understands the complexity of the human body and the interaction among physical activity, exercise and good health. The improved function, health,

and well being of the total person - **Body, Mind, and Spirit** - are the ultimate goals of professionals in this field.

Exercise scientists apply their knowledge, skills, and beliefs to all people regardless of gender, age, social status, and current health-related fitness level or disease state. Wherever there is a need to improve functionality, health-fitness, medical prognosis, optimal aging, or wellness, one will find an exercise scientist providing leadership in programs that help individuals optimize their lives and health. In summary, exercise science is a stimulating area of study and a rewarding professional application with a very bright future.

The Department of Kinesiology offers two programs in Exercise and Sport Science at the undergraduate level. They are:

Option I - Exercise and Sport Science-Health/Wellness

Option II - Exercise and Sport Science-Health/Wellness/Pre-Professional

Teacher education is the focus of the **Physical and Health Education Teacher Education (PHETE) Program**. This concentration prepares students to teach physical and health education in public and private schools (grades K through 12). The PHETE program integrates academic preparation with fieldwork experiences each semester, culminating in a dual-level (secondary and elementary) full semester, student-teaching experience. Coursework in discipline specific content, methods of teaching, assessment and evaluation, educational psychology, educational foundations, cultural diversity and adapted activities, and administration all help teacher education students assume their roles as competent teachers in today's society. Admission into the PHETE program takes place after the sophomore year upon completing the pre-admission coursework; two in-school teaching experiences; the Pre-Professional Skills Tests in reading, mathematics, writing; and the Praxis test in fundamental content knowledge, as well as an interview with the PHETE faculty. All PHETE and Public Health courses must be completed with a minimum B- grade in order to count toward graduation. A cumulative GPA of 3.0 or greater is required for admission into the junior year and certification. After admission, one additional Praxis test is required for certification: Health and Physical Education Content Knowledge. Upon completion of the program, and after passing the appropriate standardized tests, graduates will be licensed to teach by the Commonwealth of Pennsylvania.

The **Pre-Health Professions Program** prepares students for admission into Graduate Programs in a multitude of the Health Professions such as Physical Therapy, Occupational Therapy, Medicine, Dentistry, Physician's Assistant, etc. The Department of Kinesiology's Core is a perfect complement to the standard prerequisite courses and expanded elective courses available through this program. This combination of coursework and practical experience will position students well for continued study at the graduate level. While the Pre-Health Professions Program includes the standard prerequisite courses and the option for elective courses for admission into Graduate Programs for a multitude of Health Professions, students are advised to check the prerequisites for their intended graduate programs and work these into their programs where elective coursework is afforded. Students are also advised to maintain a minimum grade point average of 3.0 (B) since entry into graduate programs in the health professions is highly competitive. A "B" or better in the specific prerequisites is required for most graduate programs.

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshman students starting in the 2008-2009 academic year are required to complete the GenEd curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the Core curriculum.

Curriculum and Degree Requirements

All students must complete 1-4 below:

1. GenEd Curriculum (35-38 s.h.) for new freshman or University Core (39-52 s.h.) for new transfer students - Selected Courses
2. Kinesiology Core Courses - Kinesiology 1201, 2203, 2204, 3202, 3296, 4279 (20 s.h.)
3. Forms of Movement Courses - Kinesiology 1001-1099 (4-8 s.h.)
4. Program specific requirements and elective courses (60-70 s.h.)

Note: All courses in the Department of Kinesiology and required courses in the selected professional application options must be completed with a minimum grade of C-. The PHETE program has a more stringent requirement of a minimum B- grade in all PHETE courses and required health courses. The Kinesiology Core and program requirements must be satisfactorily completed prior to enrolling in any internship/externship or student teaching experience.

Professional Application Option Requirements

Students must select a professional application option and electives to complete their requirements for graduation. There are four professional application options available: (a) the athletic training major, (b) the exercise and sport science program, (c) the physical and health education teacher education (PHETE) program, and (d) the pre-health professional studies program. They are more fully described below.

Kinesiology Foundation Requirements

Psychology 1061 (3 s.h.) - *Psychology as a Social Science* (required for core curriculum students only)

Kinesiology 1223 (4 s.h.) - *Human Anatomy & Physiology I*

Kinesiology 1224 (4 s.h.) - *Human Anatomy & Physiology II*

Kinesiology Departmental Requirements

Kinesiology 1201 (3 s.h.) - *Introduction to Kinesiology*
Kinesiology 2203 (4 s.h.) - *Physiology of Physical Activity*
Kinesiology 2204 (3 s.h.) - *Motor Behavior*
Kinesiology 3202 (4 s.h.) - *Biomechanics of Physical Activity*
Kinesiology 3296 (3 s.h.) - *Social & Psychological Aspects of Physical Activity* (WI)
Kinesiology 4279 (3 s.h.) - *History & Philosophy of Kinesiology* (WI)

Physical Activity Requirement

Physical Fitness Activity
Lifestyle Activity
Survival Activity
Aquatics Activity

In Fall 2008, the Department of Kinesiology established the Bachelor of Science in Athletic Training. This degree may be conferred upon a student by recommendation of the faculty upon the satisfactory completion of 124 semester hours of credit. The other three professional application options require 128 semester hours of credit to satisfy their respective graduation requirements.

Bachelor of Science in Athletic Training

Kinesiology Courses				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1442	Basic Techniques in Athletic Training	2	
Kinesiology	1444	Movement Injuries: Prevention & Care	3	
Kinesiology	2421	Emergency Medical Care for Health Professionals	3	
Kinesiology	2431	Pharmacology & Medical Documentation	3	
Kinesiology	2441	Lower Extremity: Assessment & Treatment	3	
Kinesiology	2442	Upper Extremity: Assessment & Treatment	3	
Kinesiology	3441	Therapeutic Modalities in Athletic Training	4	
Kinesiology	3442	Therapeutic Exercise	4	
Kinesiology	3443	Head, Neck, & Spine: Assessment & Treatment	3	
Kinesiology	3444	General Medical Conditions in Athletic Training	3	
Kinesiology	3487	Practicum in Athletic Training I	3	
Kinesiology	3687	Practicum in Athletic Training II	3	
Kinesiology	4311	Advanced Physiology of Exercise	3	
Kinesiology	4314	Neuromuscular Principles in Strength & Conditioning	4	
Kinesiology	4443	Organization & Administration in Athletic Training	3	
Kinesiology	4450	Special Topics in Athletic Training	3	
Kinesiology	4487	Practicum in Athletic Training III	3	
Kinesiology	4687	Practicum in Athletic Training IV	3	
Electives	****	Electives	3	

Public Health Courses				
Department	Course #	Course Name	Hours	RCI
Public Health	1104	Nutrition & Health	3	

Exercise & Sport Science

Option I - Health and Wellness				
Kinesiology Courses				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1444	Movement Injuries: Prevention & Care	3	
Kinesiology	2362	Introduction to Exercise & Sport Science	3	
Kinesiology	2364	Applied Technology in Kinesiology	3	
Kinesiology	3363	Basic Electrocardiography	3	
Kinesiology	3368	Principles of Health Fitness Program Management	3	
Kinesiology	4311	Advanced Physiology of Exercise	3	
Kinesiology	4312	Exercise & Nutrient Metabolism	3	
Kinesiology	4313	Exercise & Aging	3	
Kinesiology	4314	Neuromuscular Principles of Strength & Conditioning	4	
Kinesiology	4334	Introduction to Exercise Testing	4	
Kinesiology	4385	Internship in Exercise & Sport Science	3-12	
Public Health Courses				
Department	Course #	Course Name		
Public Health	1104	Nutrition & Health	3	
Public Health	3103	Counseling Techniques	3	
Certification Requirement				
Advanced First Aid/CPR/AED or Equivalency			0	

Option II - Health, Wellness, Pre-Health Professions				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1444	Movement Injuries: Prevention & Care	3	
Kinesiology	2362	Introduction to Exercise & Sport Science	3	
Kinesiology	2364	Applied Technology in Kinesiology	3	
Kinesiology	3363	Basic Electrocardiography	3	
Kinesiology	4311	Advanced Physiology of Exercise	3	
Kinesiology	4312	Exercise & Nutrient Metabolism	3	
Kinesiology	4313	Exercise & Aging	3	
Kinesiology	4314	Neuromuscular Principles of Strength & Conditioning	4	
Kinesiology	4334	Introduction to Exercise Testing	4	
Kinesiology	4385	Internship in Exercise & Sport Science (Optional)	3-12	
Public Health	1104	Nutrition & Health	3	

Chemistry	1031	General Chemistry I	3	SA
Chemistry	1032	General Chemistry II	3	SB
Chemistry	1033	General Chemistry Lab I	1	SA
Chemistry	1034	General Chemistry Lab II	1	SB
Biology	1011	General Biology I	4	SA
Biology	1012	General Biology II	4	SB
Physics	1021	Introduction to General Physics I	4	SA
Physics	1022	Introduction to General Physics II	4	SB
Psychology	2000+	Upper-level elective	3	
Sociology	2000+	Upper-level elective	3	
Statistics		(MATH 1013, SOC 1167, or PSYCH 1167)	3	QB

Physical & Health Education Teacher Education (PHETE)

PHETE Courses				
Department	Course #	Course Name	Hours	RCI
PHETE	2541	Introduction to Teaching Health Education I	1	
PHETE	2542	Introduction to Teaching Health Education II	1	
PHETE	2543	Basic Movement I	1	
PHETE	2544	Basic Movement II	1	
PHETE	2555	Micro-teaching in PHETE	1	
PHETE	2556	Tutorial in PHETE	1	
PHETE	3541	Advanced Movement I	3	
PHETE	3542	Advanced Movement II	3	
PHETE	3553	PHETE I	4	
PHETE	3554	PHETE II	4	
PHETE	3561	Health Science I	3	
PHETE	3562	Health Science II	3	
PHETE	3587	PHETE Practicum I	1	
PHETE	3687	PHETE Practicum II	1	
PHETE	4554	Teaching - School Environment	2	
PHETE	4556	Developmental & Adapted PHETE	3	
PHETE	4563	Health Science III	3	
PHETE	4587	PHETE Practicum III	1	
PHETE	4588	Student Teaching in Health & Physical Education	12	
PHETE	4589	Field Study in PHETE	1	
PHETE	4590	Special Topics in PHETE	1-6	
Public Health Courses				
Department	Course #	Course Name		
Public Health		Health Studies Elective	3	
Education Courses				
Department	Course #	Course Name	Hours	RCI
Education	1255	Inclusive Education for a Diverse Society	3	

Kinesiology Pre-Health Profession Program

Kinesiology Courses				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1001-1099	Forms of Movement (Activity Courses)	4-8	
Kinesiology	1201	Introduction to Kinesiology	3	
Kinesiology	2203	Physiology of Physical Activity	4	
Kinesiology	2204	Motor Behavior	3	
Kinesiology	3202	Biomechanics of Physical Activity	4	
Kinesiology	3296	Social & Psychological Aspects of Physical Activity	3	WI
Kinesiology	4279	History & Philosophy of Kinesiology	3	
Kinesiology	4282	Independent Study in Kinesiology	3	
Pre-Health Profession Core				
Department	Course #	Course Name	Hours	RCI
Biology	1011	General Biology I	4	SA
Biology	1012	General Biology II	4	SB
Chemistry	1031	General Chemistry I	3	SA
Chemistry	1032	General Chemistry II	3	SB
Chemistry	1033	General Chemistry Laboratory I	1	SA
Chemistry	1034	General Chemistry Laboratory II	1	SB
Physics	1021	Introduction to General Physics I	4	SA
Physics	1022	Introduction to General Physics II	4	SB
Psychology	2000+	Upper-level elective	3	
Sociology	2000+	Upper-level elective	3	
Statistics		(MATH 1013, SOC 1167, or PSYCH 1167)	3	QB
Electives		Electives (6 to 8 courses)	18-24	

Nursing

Bachelor of Science in Nursing (B.S.N.)

Frances Ward, PhD., R.N., CRNP, Chair
 Nursing Main Office Number: 215-707-4686
 Nursing Fax: 215-707-1599
www.temple.edu/nursing

Accreditation

The program is approved by the State Board of Nursing, Commonwealth of Pennsylvania, and accredited by the Commission on Collegiate Nursing Education (CCNE). CCNE can be reached at One Dupont Circle, NW, Suite 503, Washington, D.C. 20036, 202-887-6791. Graduates are eligible to sit for the National Council Licensure Examination (NCLEX) leading to licensure as a Registered Nurse.

University Requirement

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshman students starting in the 2008-2009 academic year are required to complete the GenEd curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the Core curriculum.

All Temple students must take a minimum of two writing-intensive courses as part of the major. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

Pre-Professional Requirements for Nursing

General Education Requirements Effective for Freshman Students Admitted Fall 2008 and after

Freshman Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	1021	Introduction to Chemistry I	3	
Chemistry	1023	Introduction to Chemistry Laboratory I	1	
English	0802	Analytical Reading & Writing	4	GW
***Math	1021	College Algebra	4	
Sociology	1176	Introduction to Sociology	3	
Total			15	

Freshman Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1223	Human Anatomy & Physiology I	4	
Intellectual Heritage	0851	Mosaic: Humanities Seminar I	3	GY
GenEd	08xx	World Society	3	GG
Biology	1012	General Biology II	4	
Psychology	1061	Psychology as a Social Science*	3	
Total			17	

*Prerequisite for Psychology 2301 (Developmental Psychology)

Sophomore Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1224	Human Anatomy & Physiology II*	4	

Psychology	2301	Developmental Psychology	3	
Intellectual Heritage	0852	Mosaic: Humanities Seminar II	3	GZ
GenEd	08xx	Human Behavior	3	GB
Public Health	1104	Nutrition and Health	3	
Total			16	
*Prerequisite for Nursing 2111 (Microbiology)				

Sophomore Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Nursing	2111	Microbiology	4	
***Psychology	1167	Foundations in Statistical Methods**	3	
GenEd	08xx	U.S. Society	3	GU
GenEd	08xx	Race & Diversity	3	GD
GenEd	08xx	Arts	3-4	GA
Total			16-17	
**Acceptable options include Sociology 1167 and Sociology 3201				

***The GQ requirement will be satisfied upon the successful completion of Nursing 3261 and 3262.

Pre-Professional Requirements for Nursing

Core Requirements Effective for Transfer Students Admitted Fall 2008 through Spring 2010

Freshman Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	1021	Introduction to Chemistry I	3	SA
Chemistry	1023	Introduction to Chemistry Laboratory I	1	SA
English	0802	Analytical Reading & Writing	4	CO/GW
Mathematics	1021	College Algebra	4	QA
Core	Elective	International Studies/Language	3-4	L/IS/GG
Total			15-16	

Freshman Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1223	Human Anatomy & Physiology I	4	SA
Intellectual Heritage	0851	Mosaic: Humanities Seminar I	3	IA/GY
Public Health	1104	Nutrition & Health	3	
Psychology	1061	Psychology as a Social Science*	3	IN

Sociology	1176	Introduction to Sociology	3	IN
Total			16	
*Prerequisite for Psychology 2301 (Developmental Psychology)				

Sophomore Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1224	Human Anatomy & Physiology II*	4	SB
Psychology	2301	Developmental Psychology	3	
Intellectual Heritage	0852	Mosaic: Humanities Seminar II	3	IB/GZ
Psychology	1167	Foundations in Statistical Methods**	3	QB
Core	Elective	Arts	3-4	AR/GA
Total			16-17	
*Prerequisite for Nursing 2111 (Microbiology)				
**Acceptable options include Sociology 1167 or Sociology 3201				

Sophomore Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Nursing	2111	Microbiology	4	
Biology	1012	General Biology II	4	SB
Core	Elective	American Culture	3	AC/GU
Core	Elective	International Studies/Language	3-4	L/IS/GG
Core	Elective	Studies In Race	3	RS/GD
Total			17-18	

Special Fees

A laboratory fee of approximately \$250.00 (subject to change), covering all four professional semesters, is charged and paid in four installments. Uniforms, books, and equipment total approximately \$600 in the first semester. In addition, some courses have special fees attached.

Professional Curriculum

The following program of study is prescribed.

Junior Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Nursing	3141	Nursing Care of Adult Client Systems	4	
Nursing	3144	Health Assessment of Client Systems	3	
Nursing	3142	Introduction to Nursing Systems	3	
Nursing	3187	Practicum I: Care of Adult Client Systems	2	

Nursing	3261	Pathophysiology & Applied Pharmacology for Nursing I	3	
Total			15	

Junior Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Nursing	3297	Research Methods	3	WI
Nursing	3244	Care of the Developing Family System	4	
Nursing	3287	Nursing Care of Childbearing Family System: Practicum IIA	2	
Nursing	3387	Nursing Care of the Child-Rearing Family System: Practicum IIB	2	
Nursing	3262	Pathophysiology & Applied Pharmacology for Nursing II	3	
Total			14	

Senior Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Nursing	4197	Epidemiology in Nursing Systems	3	WI
Nursing	4142	Health Care of Diverse Client Systems	3	
Nursing	4141	Care of Chronically Ill Client Systems (Theory/Lab)	4	
Nursing	4187	Mental Health Practicum	2	
Nursing	4287	Geriatric Clinical Practicum	2	
Total			14	

Senior Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Nursing	4244	Professional Issues	2	
Nursing	4297	Nursing Leadership	3	WI
Nursing	4243	Nursing Management of Client Systems in Crisis (Theory/Lab)	4	
Nursing	4387	Advance Medical Surgical Practicum	2	
Nursing	4487	Mentorship Practicum	2	
Nursing	4245	Nursing Synthesis	1	
Total			14	
Minimum Total Credits Required for Degree			122	

15-Month B.S.N. Accelerated Program

Admission requirements include completion of a degree in another field and a personal interview. Admission to the program is highly competitive and will also be based on completion of the pre-professional requirements for the B.S.N. listed above.

The first year of study is identical to the Professional Curriculum of the junior year with the exception of Research Methods in the Winterim Session of the junior year. The senior year is as follows:

Senior Year, 1st Summer Session				
Department	Course #	Course Name	Hours	RCI
Nursing	4141	Care of Chronically Ill Client Systems (Theory/Lab)	4	
Nursing	4187	Mental Health Practicum	2	
Nursing	4287	Geriatric Clinical Practicum	2	
Total			8	

Senior Year, 2nd Summer Session				
Department	Course #	Course Name	Hours	RCI
Nursing	4197	Epidemiology in Nursing Systems	3	WI
Nursing	4142	Health Care of Diverse Client Systems	3	
Total			6	

Senior Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Nursing	4244	Professional Issues	2	
Nursing	4297	Nursing Leadership	3	WI
Nursing	4243	Nursing Management of Client Systems in Crisis (Theory/Lab)	4	
Nursing	4387	Advance Medical Surgical Practicum	2	
Nursing	4487	Mentorship Practicum	2	
Nursing	4245	Nursing Synthesis	1	
Total			14	

The R.N. to B.S.N. Program

Registered nurses who are graduates of diploma and associate degree nursing programs and who hold R.N. licensure in Pennsylvania may apply for admission with advanced standing. Interested applicants should contact the R.N.-B.S.N. program for an appointment to discuss the program and undergo a preliminary review of transcripts. Please bring unofficial copies of your transcripts to the appointment. Registered nurses who show evidence of valid, unencumbered Pennsylvania R.N. license and official transcripts showing evidence of completion of an NLN-AC accredited nursing program are awarded 32 transfer credits for their pre-licensure nursing courses. Pre-professional requirements may be satisfied by transfer of acceptable college credits, by work in the College Level Examination Program (CLEP), or by taking the stipulated courses at Temple University. Temple has transfer agreements with area community colleges. The Temple University *Undergraduate Bulletin* should be consulted for details on these agreements as well as the university policy related to [45+ transfer](#) students.

A total of 61 credits of prerequisite and general education requirements in the liberal arts and sciences are accepted in transfer towards the Bachelor of Science Degree in Nursing (B.S.N.). A grade of C- or better is needed in order to receive transfer credit. Before beginning the nursing major students must earn at least 52 credits in this section. All science courses must be completed prior to beginning nursing major courses. Temple University's R.N.-B.S.N. program includes 30 credits of upper-division nursing courses which all students are required to complete at Temple University. (Refer to the *Bulletin* for information on the university's [Academic Residency Requirements](#).) All nursing courses must be completed with a C or better. Students must complete the application process and be a matriculated student to enroll in nursing courses.

Professional Curriculum

Requirements - Department of Nursing				
Department	Course #	Course Name	Hours	RCI
Nursing	3143	Health Assessment for Registered Nurses	3	
Nursing	3796	Teaching Strategies	3	WI
Nursing	3261	Pathophysiology & Applied Pharmacology for Nursing I	3	
Nursing	3262	Pathophysiology & Applied Pharmacology for Nursing II	3	
Nursing	3297	Research Methods	3	WI
Nursing	3246	Professional Issues in Nursing for Registered Nurses	3	
Nursing	4777	Epidemiology for Registered Nurses*	3	
Nursing	4787	Community Health*	3	
Nursing	4896	Leadership in Nursing*	3	WI
Nursing	4877	Professional Seminar*	3	
		*Taken Concurrently		
Total			30	

Public Health

Alice Hausman, M.P.H., Ph.D., Chair
 1700 N. Broad St.
 Suite 304
 Philadelphia, PA 19122
 Public Health Main Office Number: 215-204-8726
 Public Health Fax: 215-204-1854
www.temple.edu/publichealth

The Department of Public Health's curriculum prepares students for diverse careers in the public health field that focus on creating, implementing, and evaluating interventions and programs designed to improve health status and quality of life for all individuals. Accredited by CEPH (Council on Education in Public Health) as one of the few undergraduate public health programs in the country, the department offers a Bachelor of Science degree in public health for undergraduate students in which students study the broad range of public health concerns, including individual disease prevention and injury/harm reduction behaviors, distribution and

development of disease through epidemiological assessment and community program development, implementation, and evaluation. Students learn to use educational interventions to provide health information, gain experience in assessing the needs of target populations, clarify program goals and objectives, and develop strategies to motivate and involve their clients/patients in educational interventions. The department has a national reputation in all curricular areas and meets appropriate accreditation standards. Graduates from the program are eligible to sit for the national certifying exam. They can also apply for Temple's accredited Master of Public Health, Master of Science in Epidemiology, or Master of Science in Environmental Health programs.

The Public Health major trains entry-level health educators to provide frontline preventive health information, services, and health behaviors interventions at the community level, particularly in communities with high-risk populations. Graduates typically work in: voluntary health agencies, public health departments, hospitals, rehabilitation centers, corporate work sites, community health organizations, family planning clinics, and managed care facilities.

Mission of the Department

The mission of the department emphasizes the principles and practices of applied social-behavioral science of public health by creating and evaluating applied interventions, programs, curricula, and policies designed to improve the health status and quality of life of individuals and communities. The department strives to contribute to the rapidly-changing knowledge base in the applied social-behavioral sciences. The department's strong service mission ensures that faculty and students are available to the communities served by Temple University; thus the department emphasizes scholarly service to regional, state, and national institutions and organizations, including schools, hospitals, and voluntary and government health agencies. Because of the pressing needs for health services in the region, coupled with our urban location, the program emphasizes public health and health education for diverse populations.

The Department of Public Health follows the requirements set forth by Temple University regarding General Education. The department has also established additional core and cognate requirements for all Public Health majors.

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshman students starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

All Temple students must take a minimum of two writing-intensive courses as part of the major. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

Public Health Requirements for New Freshmen

Freshman Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
English	0802	Analytical Reading & Writing	4	GW
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	World Society	3	GG
GenEd	08xx	Race & Diversity	3	GD
Total			13	

Freshman Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Elective		General Elective	3	
IH	0851	Mosaic: Humanities Seminar I	3	GY
GenEd	08xx	Arts	3 or 4	GA
GenEd	08xx	U.S. Society	3	GU
Public Health	1101	Introduction to Public Health	3	
Total			15-16	

Sophomore Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1223	Anatomy & Physiology I	4	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Public Health	1104	Nutrition and Health	3	
Public Health	1105	Society, Drugs & Alcohol Perspectives	3	
GenEd	08xx	Quantitative Literacy (Recommend SOC 0825)	4	GQ
Total			17	

Sophomore Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1224	Anatomy & Physiology II	4	
Health Related Professions	2103	Health Psychology & Human Behavior	3	
Public Health	1106	Human Sexuality	3	
Public Health	2101	Disease Prevention & Control	3	
English	2596	Writing for Business & Industry	3	WI
Total			16	

Junior Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
STOC	1111	Public Speaking	3	
Public Health	2102	Environmental Health	3	
Public Health	3105	Teaching Techniques	3	
Public Health	3496	Introduction to Public Health Programs	3	WI
Computer & Information Sciences	1055	Computers & Applications	4	
Total			16	

Junior Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Public Health	3101	Epidemiology	3	
Public Health	3102	Research Methods	3	
Public Health	3104	Professional Seminar	3	
Public Health	3106	Teaching Health	3	
Public Health	3596	Administration of Public Health Programs	3	WI
Total			15	

Senior Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Public Health	3103	Counseling Techniques for Health Professionals	3	
Public Health	3185	Internship I	5	
Public Health		Public Health Elective	3	
Healthcare Management	3501	Introduction to Health Services System	3	
Elective		General Elective	3	
Total			17	

Senior Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Public Health	4185	Internship II	9	
Public Health		Public Health Elective	3	
Elective		General Elective	3	
Total			15	
Minimum Total Credits Required for Degree			124	

Public Health Requirements for New Transfer Students

1st Semester Fall				
Department	Course #	Course Name	Hours	RCI
Public Health	1101	Introduction to Public Health	3	
Public Health	1105	Society, Drugs & Alcohol Perspectives	3	

Public Health	2102	Environmental Health	3	
STOC	1111	Public Speaking	3	
Health Related Professions	2103	Health Psychology & Human Behavior	3	
Total			15	

2nd Semester Spring				
Department	Course #	Course Name	Hours	RCI
Public Health	1104	Nutrition & Health	3	
Public Health	1106	Human Sexuality	3	
Public Health	2101	Disease Prevention & Control	3	
English	2596	Writing for Business & Industry	3	WI
Healthcare Management	3501	Introduction to Health Services System	3	IN
Total			15	

3rd Semester Fall				
Department	Course #	Course Name	Hours	RCI
Public Health	3102	Research Methods	3	
Public Health	3104	Professional Seminar	3	
Public Health	3105	Teaching Techniques	3	
Public Health	3496	Introduction to Public Health Programs	3	WI
Computer & Information Sciences	1055	Computers & Applications	4	SB
Total			16	

4th Semester Spring				
Department	Course #	Course Name	Hours	RCI
Public Health	3101	Epidemiology	3	
Public Health	3106	Teaching Health	3	
Public Health	3185	Internship I	5	
Public Health	3596	Administration of Public Health Programs	3	WI
Total			14	

5th Semester Fall				
Department	Course #	Course Name	Hours	RCI
Public Health	3103	Counseling Techniques for Health Professionals	3	
Public Health	4185	Internship II	9	
Public Health		Public Health Elective	3	
Total			15	

Minor in Public Health

Foundation Requirements					
Department	Course #	Course Name	Hours	Sem.	Co-/Prereq.
Public Health	1101	Intro to Public Health	3	F/S	
Public Health	1201	Contemporary Health Issues	3	F/S	
Public Health	2102	Environmental Health	3	F/S	
Public Health	3101	Epidemiology	3	F/S	Math 1013/Psych 1167/Soc 1167
Health Related Professions	2103	Health Psych/Human Behavior	3	F/S	
Subtotal			15		

Public Health and Society Electives				
<i>Choose one of the following:</i>				
Department	Course #	Course Name	Hours	Semester
Public Health	1104	Nutrition & Health	3	F/S
Public Health	1105	Society, Drugs & Alcohol Perspectives	3	F/S
Public Health	1106	Human Sexuality	3	F/S
Public Health	2101	Disease Prevention & Control	3	F/S
Subtotal			3	

General Public Health Electives					
<i>Choose one of the following:</i>					
Department	Course #	Course Name	Hours	Semester	RCI
Public Health	1103	International Health	3	F/S	IS
Public Health	2201	Health Communication	3	F	
Public Health	2203	AIDS & Society	3	Inter-session/Summer	
Public Health	2204	Diet & Weight Management	3	Summer	
Public Health	2202	Man-Made Disasters	3	F (online)	
Public Health	3103	Counseling Techniques	3	F/S	
Subtotal			3		
Total Credits for the Minor			21		

Certificate in Emergency Management with Special Populations

Temple University's Department of Public Health, in collaboration with Temple's Center for Research Preparedness Education and Practice (C-PREP), is offering classes for preparing the public health workforce and emergency managers to address the needs of special populations in a competency-based and practice-oriented framework. In emergency management a special population is any group of people that needs extra support to be prepared for an emergency, as

well as those needing community support to successfully respond and recover in disasters or emergency situations. These classes are for practitioners in emergency preparedness and response, public health professionals, undergraduate students, and recent graduates with an interest in emergency preparedness and response. This program consists of a four- or five-course sequence, depending on previous coursework. For current public health majors and minors at Temple University, two of these courses can be used to fulfill elective requirements. The certificate program can be finished in either one or two years part time, and the courses are all offered online so that students from all over the globe and at different stages in their career can take advantage of the program. This certificate will be listed on your transcript upon completion. FEMA Higher Ed calls this program a national first in their April 11, 2008 program report.

PRE-REQUISITE (1): This course may be waived if the student can demonstrate either NIMS certification or similar coursework taken at a college or university with a grade of B or better.

Public Health 2207: *Principals of Emergency Management: A Public Health Perspective*

CORE (3): The core courses will address the basic competencies in emergency preparedness, response, and mitigation. Within these core competencies the needs of special populations will be addressed.

Public Health 2202: *Man-Made Disasters: Radiological, Chemical & Biological Terrorism*

Public Health 2208: *Natural Disasters: Response and Recovery*

Public Health 2215: *Special Populations: Strategic Community Outreach*

ELECTIVE (1): The electives will allow the student to customize the certificate program to meet their educational objectives and professional needs within the rubric of emergency preparedness and special populations. This includes the option to take graduate-level electives as appropriate. Recommended electives include:

Public Health 2201 or Public Health 5105: *Health Communication*; graduate or undergraduate credits; in-person

Public Health 2205 or Public Health 5004: *Stress and Change*; graduate or undergraduate credits; online

For More Information Contact:

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Therapeutic Recreation

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The Department of Therapeutic Recreation is composed of three degrees: a B.S. in Therapeutic Recreation, an Ed.M. in Therapeutic Recreation, and an interdisciplinary Ph.D. in Health Studies with a cognate concentration in Therapeutic Recreation. Recreation therapists use recreation and leisure activities to facilitate recovery, health, and wellness in individuals with disabilities. The primary goal of the undergraduate program is to prepare entry-level recreation therapists to deliver rehabilitation, health promotion, and disease prevention programs to individuals with disabilities. Alumni of Temple's therapeutic recreation degree programs can be found in a wide range of health and human services agencies. They are employed in diverse settings, including hospitals, rehabilitation centers, nursing homes, assisted-living facilities, schools, and community recreation agencies. According to the U.S. Department of Labor, employment opportunities are expected to continue growing in the residential and outpatient settings that serve disabled persons, the elderly, or those diagnosed with mental retardation, mental illness, or substance abuse problems, including community care facilities for the elderly (including assisted-living facilities), residential mental retardation, mental health, and substance abuse facilities; and facilities that provide individual and family services (such as day-care centers for the disabled persons and the elderly).

Mission of the Department

The Department of Therapeutic Recreation strives to be a world class academic and research unit committed to advancing the role of play, recreation, and leisure opportunities in health promotion, rehabilitation and disease prevention for diverse individuals with chronic illnesses and disabilities across the life span. The department provides exceptional educational experiences, conducts discipline-expanding research, and contributes to society via programs that explore and test evidenced-based innovations in practice and policy. The department's mission includes:

- Instilling knowledge, values, ethics and skills that will guide students in their future academic pursuits and their professional practice in therapeutic recreation at the local, national and international levels;
- Being a leading contributor to the ever-changing knowledge base in health, leisure, and disability studies through research and other scholarly activities; and,
- Providing innovative and responsive educational opportunities, research and service in collaboration with local, regional, and national agencies and organizations.
- Fostering interdisciplinary collaborations to promote a better understanding of the importance of physically and socially active lifestyles to health, well-being and quality of life.

Central to the overall mission of the Department of Therapeutic Recreation is a commitment to access and diversity. This is realized through a commitment to ensuring equal access to all qualified applicants (students and faculty) and a commitment to promoting equal access to recreation and leisure opportunities for all people regardless of age, economics, race, gender, culture, sexual orientation, religion or abilities.

Certification

Following satisfactory completion of all coursework and internship requirements, graduates with the Bachelor of Science degree in Therapeutic Recreation are eligible to sit for the national certifying examination in therapeutic recreation administered by Educational Testing Services and the National Council on Therapeutic Recreation Certification.

Therapeutic Recreation - Bachelor of Science

A Bachelor of Science (B.S.) degree in Therapeutic Recreation is awarded to students upon satisfactory completion of a minimum of 121 semester hours of credit with a minimum GPA of 2.0 overall and 2.5 in the major. Students completing this degree are eligible to sit for the national credentialing examination for recreation therapists.

Summary of Requirements

1. University Requirements. All students are required to complete a set of university requirements: General Education (GenEd) or Core.

- New freshman students starting in the 2008-2009 academic year are required to complete the GenEd curriculum. New freshman students can find information about the GenEd curriculum at www.temple.edu/bulletin/Academic_programs/general_education/index.shtm.
- New transfer students starting in the 2008-2009 academic year are required to complete the Core curriculum. Core curriculum information can be found at www.temple.edu/bulletin/Academic_programs/core/generalinfo/core_generalinfo.shtm.

2. Major Requirements. Students must complete a set of specific courses in the major, including two credit-earning field-based clinical internships (THERREC 3185 and THERREC 4185). Students may choose from a list of approved external related electives, which are courses related to the major but offered outside the department. Students must also complete other non-credit earning requirements as part of the major, including 120 hours of professional/volunteer experiences relevant to the major, certification in First-Aid/CPR, and a Library Skills competency test (also called Temple Information Literacy Tutorial or TILT).

Students must successfully pass all Health Related Professions courses (HRP 1101/THERREC 0813, HRP 2103) and Cognate Core courses (KNSLOGY 1223, PSYCH 1061, PSYCH/SOC 1167, PSYCH 2301/EDUC 1322, and PSYCH 2201) with a minimum grade of C or higher. Students not demonstrating the ability to meet this academic requirement will not be permitted to progress to the Upper Division Therapeutic Recreation Core and related electives in the

curriculum until the minimum C is achieved. In addition, all Therapeutic Recreation courses must be completed with a grade of C or higher. In accordance with college policy, students may only repeat a course once to achieve the minimum C.

All Temple students must take a minimum of two writing-intensive courses as part of the major. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

The following grids display required courses. Please note that, unless specified otherwise, students may select from a number of university-approved courses in the various areas of the Core and GenEd curriculums.

University GenEd Curriculum for Newly Admitted Freshman in Fall 2008 & After

Year 1 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
English	0802	Analytical Reading & Writing	4	GW
HRP	2103	Health Psychology & Human Behavior	3	
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	Race & Diversity	3	GD
GenEd	08xx	World Society	3	GG
Subtotal			16	

Year 1 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Intellectual Heritage	0851	Mosaic: Humanities Seminar I	3	GY
GenEd	08xx	Quantitative Literacy	4	GQ
<i>Select From:</i>				
Math	0824	Mathematical Patterns		
or	or	or		
C+IN SC	0823	Math for a Digital World		
Psychology	1061	Psychology as a Social Science	3	
GenEd	08xx	U.S. Society	3	GU
Therapeutic Recreation	1102	Adapted Sport, Recreation & Inclusive Leisure Services	3	
Subtotal			16	

Year 2 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Intellectual Heritage	0852	Mosaic: Humanities Seminar II	3	GZ
Kinesiology	1223	Human Anatomy & Physiology I	4	GS
Therapeutic Recreation	2103	Foundations of Therapeutic Recreation Practice	3	
Required Elective		Related Elective***	3	

<i>Select one of the following Psychology or Education courses:</i>			3	
Psychology	2301	Developmental Psychology		
or	or	or		
Education	1322	The Developing Individual across the Life Span		
Subtotal			16	

Year 2 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Required Elective				
Therapeutic Recreation	0813	Disability Identity	3	
GenEd	08xx	Arts	3-4	GA
GenEd	08xx	Science & Technology II	3-4	GS
Therapeutic Recreation	2104	Therapeutic Recreation Modalities	3	
<i>Select one of the following Sociology/Psychology courses:</i>			3	
Sociology	1167	Social Statistics		
or	or	or		
Psychology	1167	Foundations in Statistical Methods		
Subtotal			15-17	

Year 3 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	3101	Therapeutic Recreation Assessment & Documentation	3	
Psychology	2201	Foundations of Psychopathology	3	
Required Elective		Related Elective***	3	
Open Elective		General Elective	3	
<i>Select one of the following Therapeutic Recreation Electives:</i>			3	
Therapeutic Recreation	3203	Therapeutic Recreation & Mental Health		
	or	or		
	2201	Therapeutic Recreation & Developmental Disabilities		
	or	or		
	5101	Health Activity & Aging* (graduate-level course; with permission only)		
Subtotal			15	

Year 3 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	3103	Professional Seminar II	3	
Therapeutic Recreation	3111	Health Promotion through Leisure Education	3	
Therapeutic Recreation	3185	Internship I	3	
Open Elective		General Elective	2-3	

<i>Select two of the following Therapeutic Recreation Electives:</i>			6	
Therapeutic Recreation	3205	Therapeutic Recreation & Long Term Care		
	or	or		
	3211	Therapeutic Recreation & Physical Disabilities		
	or	or		
	3213	Therapeutic Recreation & Pediatric Healthcare		
	or	or		
	2205	Adventure Challenge/Programming		
Subtotal			17-18	

Year 4 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	3196	Research & Evaluation (required writing-intensive course)	3	WI
Therapeutic Recreation	4111	Administration of Therapeutic Recreation	3	
Therapeutic Recreation	4196	Therapeutic Recreation Clinical Procedures (required writing-intensive course)	3	WI
<i>Select one of the following Therapeutic Recreation Electives:</i>			3	
Therapeutic Recreation	3203	Therapeutic Recreation & Mental Health		
	or	or		
	2201	Therapeutic Recreation & Developmental Disabilities		
	or	or		
	5101	Health, Activity & Aging (graduate-level course; with permission only)		
Open Elective		General Elective	2-3	
Subtotal			14-15	

Year 4 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	4185	Internship II	12	
Subtotal			12	
Total Credits Required for Degree			121 (min)	

****121 credits minimum required for Bachelor of Science in Therapeutic Recreation****

***** Related Electives: At least one related elective course selected must qualify as supportive coursework in the area of human services for the National Council for Therapeutic Recreation Certification. See advisor for additional clarification.**

University Core Curriculum for New Transfer Students in Fall 2008

An asterisk (*) after the Core Indicator indicates the Writing Capstone.

Year 1 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
English	0802	Analytical Reading & Writing	4	CO
Health Related Professions <i>or</i> Therapeutic Recreation	1101 0813	Contemporary Aspects of Disability (preferred) <i>or</i> Disability Identity	3	IN
Mathematics	1011	College Math	3	QA
Core	Elective	Select a course from indicated Core area	3 or 4	LA/IS
Core	Elective	Select a course from indicated Core area	3	AR/RS
Core		Library Skills	0	
Subtotal			16-17	

Year 1 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Psychology	1061	Psychology as a Social Science	3	IN
Therapeutic Recreation	1102	Adapted Sport, Recreation & Inclusive Leisure Services	3	
Intellectual Heritage	0851	Mosaic: Humanities Seminar I	3	IA
Core	Elective	Select a course from indicated Core Area	3	AR/RS
Core	Elective	Select a course from indicated Core Area	3 or 4	LB/IS
Subtotal			15-16	

Year 2 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	1223	Human Anatomy & Physiology I	4	SA
Therapeutic Recreation	2103	Foundations of Therapeutic Recreation Practice	3	
Open Elective		General Elective	3	
Intellectual Heritage	0852	Mosaic: Humanities Seminar II	3	IB
<i>Select one of the following Psychology/Education courses:</i>			3	
Psychology	2301	Developmental Psychology <i>or</i>		
Education	1322	The Developing Individual across the Life Span		
Subtotal			16	

Year 2 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Health Related Professions	2103	Health Psychology & Human Behavior	3	
THM (External Related Elective)	1496	Leisure in American Culture (preferred) <i>or</i> other American Culture core	3	AC/WI
Therapeutic Recreation	2104	Therapeutic Recreation Modalities	3	
Core	Elective	Select any SB course	3 or 4	SB
<i>Select one of the following Psychology/Sociology courses:</i>			3	
Psychology	1167	Foundations in Statistical Methods <i>or</i>		QB
Sociology	1167	Social Statistics		QB
Subtotal			15-16	

Year 3 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	3101	Therapeutic Recreation Assessment & Documentation	3	
Psychology	2201	Foundations of Psychopathology	3	
Open Elective		General Elective	3	
Required Elective		Related Writing-Intensive Elective	3	WI
<i>Select one of the following Therapeutic Recreation courses:</i>			3	
Therapeutic Recreation	3203	Therapeutic Recreation & Mental Health <i>or</i>		
	2201	Therapeutic Recreation & Developmental Disabilities <i>or</i>		
	5101	Health, Activity & Aging (graduate level course; with permission only)		
Subtotal			15	

Year 3 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	3103	Professional Seminar II	3	
Therapeutic Recreation	3111	Health Promotion through Leisure Education	3	
Therapeutic Recreation	3185	Internship I	3	
Open Elective		General Elective	3	
<i>Select two of the following Therapeutic Recreation courses:</i>			6	

Therapeutic Recreation	3205	Therapeutic Recreation & Long Term Care <i>or</i>		
	3211	Therapeutic Recreation & Physical Disabilities <i>or</i>		
	3213	Therapeutic Recreation & Pediatric Health Care <i>or</i>		
	2205	Adventure Challenge/Programming		
Subtotal			18	

Year 4 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	3196	Research & Evaluation (Pre-req: Stat/QB)	3	WI
Therapeutic Recreation	4111	Administration of Therapeutic Recreation (Pre-req: THERREC 3185)	3	
Therapeutic Recreation	4196	Therapeutic Recreation Clinical Procedures (Pre-req: THERREC 2104, 3101, 3185)	3	WI*
Open Elective		General Elective	3	
<i>Select one of the following Therapeutic Recreation courses:</i>			3	
Therapeutic Recreation	3203	Therapeutic Recreation & Mental Health <i>or</i>		
	2201	Therapeutic Recreation & Developmental Disabilities <i>or</i>		
	5101	Health, Activity & Aging (graduate-level course; with permission only)		
Subtotal			15	

Year 4 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	4185	Internship II (Pre-req: All required coursework)	12	
Subtotal			12	
Total Credits Required for Degree			121 min*	
*KNSLOGY 1223, PSYCH or SOC 1167, PSYCH 1061 and HRP 1101 fulfill departmental and core requirements				

(Note: Students may lighten their academic load in the fall and spring semesters by taking classes during the summer sessions. Please see your advisor to explore summer course offerings and suitable options.)

Related/General Electives: At least one related/general elective course selected must qualify as supportive coursework in the area of human services for the National Council for Therapeutic Recreation Certification. See advisor for additional clarification.

Core-to-Core Transfer Curriculum

The following course sequencing for Fall and Spring transfers is based on meeting Temple University's Core-to-Core Transfer requirements for students with an approved associate degree from a community college with an approved Core-to-Core agreement. (See Core Transfer programs at www.temple.edu/bulletin/Academic_programs/core/transfer_programs/core_transfer_programs.shtm). If your transfer courses do *not* include coursework in anatomy and physiology, human growth and development, and abnormal psychology, you will be required to take these courses as part of your B.S. degree. In some instances, the general elective requirements identified may be used to meet this requirement. Students should check with their academic advisor and faculty mentor regularly to make certain they are meeting all requirements to be eligible for graduation.

FALL TRANSFER

1st Semester - Fall				
Department	Course #	Course Name	Hours	RCI
Health Related Professions	1101	Contemporary Aspects of Disability	3	IN
		<i>or</i>		
Therapeutic Recreation	0813	Disability Identity		
Therapeutic Recreation	1102	Adapted Sport, Recreation & Inclusive Leisure Services	3	
Therapeutic Recreation	2103	Foundations of Therapeutic Recreation Practice	3	
Therapeutic Recreation	2104	Therapeutic Recreation Modalities	3	
Open Elective		Related Elective	3	
<i>Select one of the following Therapeutic Recreation courses:</i>			3	
Therapeutic Recreation	3203	Therapeutic Recreation & Mental Health		
		<i>or</i>		
	2201	Therapeutic Recreation & Developmental Disabilities		
		<i>or</i>		
	5101	Health, Activity & Aging (graduate-level course; with permission only)		
Subtotal			18	

2nd Semester - Spring				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	3101	Therapeutic Recreation Assessment & Documentation	3	
Therapeutic Recreation	3103	Professional Seminar II	3	

Therapeutic Recreation	3111	Health Promotion through Leisure Education (Pre-req: THERREC 1102 & 2103)	3	
Health Related Professions	2103	Health Psychology & Human Behavior	3	
<i>Select two of the following Therapeutic Recreation courses:</i>			6	
Therapeutic Recreation	3205	Therapeutic Recreation & Long Term Care <i>or</i>		
	3211	Therapeutic Recreation & Physical Disabilities <i>or</i>		
	3213	Therapeutic Recreation & Pediatric Health Care <i>or</i>		
	2205	Adventure Challenge/Programming		
Subtotal			18	

3rd Semester - Summer				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	3185	Internship I (Pre-req: THERREC 2103, 2104, 3101)	3	
Subtotal			3	

4th Semester - Fall				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	3196	Research & Evaluation (Pre-req: Stat/QB)	3	WI*
Therapeutic Recreation	4111	Administration of Therapeutic Recreation (Pre-req: THERREC 3185)	3	
Therapeutic Recreation	4196	Therapeutic Recreation Clinical Procedures (Pre-req: THERREC 2104, 3101, 3185)	3	WI*
Required Elective		Related Elective	3	
Open Elective		Related Elective	3	
<i>Select one of the following Therapeutic Recreation courses:</i>			3	
Therapeutic Recreation	3203	Therapeutic Recreation & Mental Health <i>or</i>		
	2201	Therapeutic Recreation & Developmental Disabilities <i>or</i>		
	5101	Health, Activity & Aging (graduate-level course; with permission only)		
Subtotal			18	

5th Semester - Spring				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	4185	Internship II (Pre-req: All Required Coursework)	12	
Subtotal			12	

Total Credits Required for Degree	121 min	
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SPRING TRANSFER

1st Semester - Spring				
Department	Course #	Course Name	Hours	RCI
Health Related Professions <i>or</i> Therapeutic Recreation	1101 0813	Contemporary Aspects of Disability <i>or</i> Disability Identity	3	IN
Therapeutic Recreation	1102	Adapted Sport, Recreation & Inclusive Leisure Services	3	
Therapeutic Recreation	2103	Foundations of Therapeutic Recreation Practice	3	
Therapeutic Recreation	2104	Therapeutic Recreation Modalities	3	
Health Related Professions	2103	Health Psychology & Human Behavior	3	
Therapeutic Recreation	3101	Therapeutic Recreation Assessment & Documentation	3	
Subtotal			18	

2nd Semester - Summer				
Department	Course #	Course Name	Hours	RCI
Kinesiology <i>or</i> Related Elective	1223	Human Anatomy & Physiology I <i>or</i> Related Elective	4 3	
Therapeutic Recreation	3185	Internship I (Pre-req: THERREC 2103, 2104, 3101)	3	
Subtotal			6-7	

3rd Semester - Fall				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	2201	Therapeutic Recreation & Developmental Disabilities	3	
Therapeutic Recreation	3103	Professional Seminar II	3	
Therapeutic Recreation	3196	Research & Evaluation (Pre-req: Stat/QB)	3	WI*
Therapeutic Recreation	3203	Therapeutic Recreation & Mental Health	3	
Therapeutic Recreation	4111	Administration of Therapeutic Recreation (Pre-req: THERREC 3185)	3	
Subtotal			15	

4th Semester - Spring				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	3111	Health Promotion through Leisure Education (Pre-req: THERREC 1102 & 2103)	3	

Therapeutic Recreation	4196	Therapeutic Recreation Clinical Procedures (Pre-req: THERREC 2104, 3101, 3185)	3	WI*
Required Elective		Related Elective	3	
Open Elective		Related Elective	3	
<i>Select two of the following Therapeutic Recreation courses:</i>			6	
Therapeutic Recreation	2205	Adventure Challenge/Programming or		
	3211	Therapeutic Recreation & Physical Disabilities or		
	3213	Therapeutic Recreation & Pediatric Health Care or		
	3205	Therapeutic Recreation & Long Term Care		
Subtotal			18	

5th Semester - Summer				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	4185	Internship II (Pre-req: All Required Coursework)	12	
Subtotal			12	
Total Credits Required for Degree			121 min	

Related Elective: At least one related elective course selected must qualify as supportive coursework in the area of human services for the National Council for Therapeutic Recreation Certification. See advisor for additional clarification.

COLLEGE OF LIBERAL ARTS

Founded 1884

Teresa Scott Soufas, Dean
Anderson Hall, 12th Floor
1114 W. Berks Street
215-204-7747

Jayne Drake, Vice Dean for Academic Affairs
1206 Anderson Hall
215-204-4699
jayne.drake@temple.edu

www.temple.edu/CLA

College of Liberal Arts Academic Advising Center
1810 Liacouras Walk, Third Floor

215-204-7971

claaac@temple.edu

www.temple.edu/cla/Advising/

Introduction

Whatever your career aspirations, your future begins in the College of Liberal Arts. Our courses and majors build toward exciting internships and co-op opportunities, offering practical, valuable work experience as you explore literature, languages, history, psychology, criminal justice, the social sciences, and more. The College of Liberal Arts integrates skills in effective communication, critical and analytical thinking, problem solving, and technological literacy - tools necessary for any professional career. Our courses prepare students to identify and evaluate sources of information in a world in which information is abundant; our students learn to use information to analyze the arguments of others and to construct their own arguments in a broad range of disciplines in the humanities and social sciences. Students in the College of Liberal Arts learn to understand information in its cultural context, with course work in foreign languages and international studies. We offer degree programs at all Philadelphia area campuses as well as international options for study. In the College of Liberal Arts, you will be able to choose from among the nation's leading scholars, professors who have connections both to the world of work and to graduate and professional schools.

Scholarly excellence and originality are our highest goals. We offer a rigorous curriculum that encourages our students to learn how to generate original ideas, in addition to learning from the faculty. Situated within a large and vibrant research university, the College of Liberal Arts is a wonderful place to pursue original research and contribute to the world of knowledge. Through rigorous courses, directed research, independent studies, and honors programs, undergraduates in the liberal arts are encouraged to develop their own scholarly projects. Such projects are a critical part of their intellectual growth and lead to excellence and success in all careers.

Liberal Arts programs easily accommodate minors or certificates in other schools or colleges, allowing students to prepare for careers in business, law, medicine, media, government, education, and a variety of profit and non-profit organizations and institutions. Whether your interests lie in one of our many undergraduate majors, in the pre-professional programs of Law, Medicine, or Health Professions, or even if you are not yet decided on a major, your future begins here in the College of Liberal Arts.

Accreditation

Departments and programs at Temple University are accredited by the Middle States Commission on Higher Education (www.msche.org). Individual departments and programs may carry additional accreditation by the official accreditation body for that discipline.

Special Programs

Center for Internships & Career Development

Dr. Michael Szekely, Coordinator
Third Floor, 1810 Liacouras Walk
215-204-6704
mszekely@temple.edu

The Center for Internships and Career Development (CICD) links College of Liberal Arts students and faculty to organizations in the greater Philadelphia region in order to provide applied learning and career-oriented opportunities, as well as forums for engaged research. This also includes the development of experiential and career development programs and resources, including: internships (from smaller community-based organizations to larger non-profit organizations, from social services agencies to governmental agencies, from publishing firms to law firms), externships, volunteering, community service, building resumés, interviewing techniques, and matching the breadth of skills associated with a liberal arts education to concrete career paths and goals. Comprehensive manuals are also available for students, faculty, and departments. Contact the CICD to schedule an appointment.

First-Year Writing Program

Susan Wells, Director
1046 Anderson Hall
215-204-1820
susan.wells@temple.edu

Keith Gumery, Associate Director
1046 Anderson Hall
215-204-2072
www.temple.edu/english/fywp/

First-Year Writing includes two main 4-credit courses, English 0701 (*Introduction to Academic Discourse*) and English 0802 (*Analytical Reading and Writing*). First-Year Writing also includes English 0711 and English 0812, which are sections of English 0701 and English 0802 (respectively) designated especially for English as a Second Language students. The ESL sections of all of our courses are equivalent in weight and credit to their direct counterparts.

The two levels of courses form a year-long sequence to introduce students to academic discourse. Entering first-year students are either placed into the 0701-0802 sequence, placed into 0802 only, or exempted from these courses entirely. Placement is based on a formula which takes into account the results of the placement exam, DTLS reading and writing scores, high school rank, and the SAT verbal score.

Until students have completed their English 0701/0711 requirement, they may not enroll in English 0802/0812. English 0802/0812 is a required course in the General Education program.

Students are advised to take the required three-course sequence of *Analytical Reading and Writing*, *Mosaic I*, and *Mosaic II* (IH 0851 and 0852) in order and in successive semesters. English 0802/0812 is a prerequisite for any upper-level course in the College of Liberal Arts. English 0802/0812 may not be taken for credit by students who have successfully completed English 0902 (*Honors Literature, Reading, and Writing*).

Intellectual Heritage Program (Mosaic Humanities Seminars)

Istvan Varkonyi, Director

samsa@temple.edu

214 Anderson Hall

215-204-8276

Gary Pratt, Associate Director

gpratt@temple.edu

215-204-3044

Grant Ward, Associate Director

grant.ward@temple.edu

215-204-1770

<http://courses.temple.edu/ih/>

The Intellectual Heritage Program offers a two-course sequence, *Mosaic: Humanities Seminar I* and *II*, which is part of the university General Education curriculum. Engaging with some of the rich, complex, and historically-significant texts that have shaped our culture, students build strong communication skills and intellectual curiosity. Students become familiar with some of the key concepts and moments in Western and other intellectual traditions.

New freshmen starting in the 2008-2009 academic year are required to complete the General Education Curriculum. Transfer students will take *Mosaic: Humanities Seminar I* and/or *Mosaic: Humanities Seminar II* in lieu of the original Intellectual Heritage sequence.

Satisfactory completion of English 0802 is a prerequisite for *Mosaic: Humanities Seminar I* (IH 0851). IH 0851 is prerequisite for *Mosaic: Humanities Seminar II* (IH 0852). Honors versions of the Mosaic sequence are offered as IH 0951 and IH 0952, respectively.

Study Abroad

Undergraduates majoring in any liberal arts discipline may pursue a large variety of study abroad options. Temple University has campuses in Rome, Italy, and Tokyo, Japan. We offer a program in London, England, and exchange programs with universities in England, Germany, and Puerto Rico. Summer programs are also offered in France, Ghana, Great Britain, Italy, Japan, and South Africa. In addition, CLA undergraduates can choose to study in non-Temple programs around the world. See International Academic Programs in Tuttleman Hall or www.temple.edu/studyabroad for more information about study abroad options.

University Honors Program

The College of Liberal Arts participates in two university-wide honors programs: the lower-division University Honors Program and the upper-division Honors Scholars Program. See [Opportunities>University Honors](#) or www.temple.edu/vpus/programs_initiatives/index.htm#uh for more information about both these programs.

Departmental Honors Programs

Some departments in the College of Liberal Arts offer an Honors track for their majors. Students should consult the undergraduate chairperson in the selected department regarding eligibility and the program requirements.

Teacher Preparation

A liberal arts education provides an excellent foundation for students interested in pursuing careers in teaching at the elementary and secondary levels. A solid grounding in academic content, along with broad training in critical thinking, analytical reasoning, and communication skills offers students a distinct advantage in the 21st-century classroom.

Five-Year Combined B.A./M.Ed. Teaching Certification Program

The five-year combined B.A/M.Ed. program is currently being restructured. Please visit www.temple.edu/education/programs/bachelors/ba_ma.html for the most up-to-date information on this exciting opportunity.

Temple Education Scholars

Each year, a small number of highly-talented incoming freshmen with an interest in teaching are provisionally admitted to the Five-Year Program at the same time they are accepted to the College of Liberal Arts. Applications are submitted concurrently with the undergraduate Temple Admissions Application.

Selection to Ed Scholars is based on a student's high school record, SAT performance, letters of recommendation, required essay, and interview. Ed Scholars begin the graduate component of the program in the fall term of the junior year.

Temple Law Scholars Program

Paul Crowe, Director
7th floor Anderson Hall
215-204-8591
pcrowe@temple.edu

The Temple Law Scholars Program provides an opportunity for outstanding students to gain provisional admission to the Temple University Beasley School of Law at the same time they are

accepted into the College of Liberal Arts. As Temple Law Scholars, students spend their undergraduate years in Temple's Honors Program, after which they enroll in the Beasley School of Law, leading to the JD degree. Scholars will take advantage of special opportunities, including internships, mock trial competitions, attendance at special events and lectures, and sitting in on law school classes.

The Temple Law Scholars Program is highly selective. To be considered, applicants must be accepted into the Honors Program. High class standing, high SAT scores, and superior letters of recommendation are expected, as is an articulate, thoughtful essay. In addition, other criteria used in the decision-making process include above-average maturity, community service, leadership, and a genuine commitment to the legal profession and service to others.

Application to the Temple Law Scholars Program takes place at the same time students apply to the College of Liberal Arts. The application materials include the Temple undergraduate admission application, the Temple Law Scholars application, a letter of recommendation, and an essay on a topic assigned by the Temple Law Scholars admissions committee. An interview may also be required. The deadline for receipt of all application materials is April 1. Applications received before March 1 will receive priority treatment.

Honor Societies and Awards for Achievement

Awards

During the graduation season in May, the Baccalaureate Awards Ceremony is held to honor seniors who have demonstrated outstanding academic performance and/or exceptional service to the college. Junior scholarship recipients are recognized at an annual event in the fall. These prizes are awarded competitively and are a testament to the excellence of the College of Liberal Arts undergraduates.

Phi Beta Kappa

See [Opportunities>Honor Societies](#).

Student Association Information

Majors' Associations

Some of the departments within the College of Liberal Arts support student interest groups known as Majors' Associations. These organizations may provide opportunities for students from the individual disciplines of the liberal arts to meet one another and to extend the learning experience beyond the classroom. Some of these associations invite their alumni back to campus to connect with current undergraduates and talk with them about the wide range of career options open to liberal arts graduates.

Participation in the majors' associations has significant benefits. Active involvement cultivates skills in leadership, team work, and public speaking, all of which are highly valued in the workplace.

Special Facilities

Educational Technology Center (ETC)

Crystal Schulz, Day Manager
CLA Information Technology
AL-21 Anderson Hall
215-204-3213

Rodney Holloway, Evening Manager
CLA Information Technology
AL-21 Anderson Hall
215-204-3213

General Labs

The Educational Technology Center (ETC), located in Anderson Hall Room AL-21, provides computing and media resources to faculty and students throughout the university. The AL-21 100-seat drop-in computer lab is a resource to assist students with course-related programs and general computing needs.

Instructional Labs

In addition to the 100-seat drop-in computer lab, the Anderson Hall ETC houses two computer classrooms with computer stations at every student seat – the 46-seat AL-19 and 59-seat AL-22 lecture style classrooms.

Located in the Anderson Hall classroom wing are two specialized labs for the instruction of foreign languages. AC 103 and AC 104 are both 24-seat computer classrooms.

Weiss Hall is home to the 30-seat Psychology computer lab.

Located in Gladfelter Hall are four specialized instructional labs, all with a student computer at each seat. Gladfelter 230 houses the 13-seat visual and visualization lab, Gladfelter 336 houses the 22-seat Geographic Information Systems (GIS) lab, Gladfelter 513 houses the 13-seat Criminal Justice lab, and Gladfelter 846 houses the 30-seat social sciences lab.

Media Learning Center (MLC)

Frank Palazzo, Media Center Manager
CLA Information Technology
AL-21 Anderson Hall
215-204-5439

The Media Learning Center (MLC), a service of the College of Liberal Arts, is located within the Educational Technology Center in Anderson Hall, Room AL-21. The MLC provides audio,

video, 16mm, slide, and printed materials for faculty use in the classroom. The center also provides facilities for students to view course-related media.

For more information, or to access the MLC online catalog, please see www.temple.edu/mlc/.

Hours of Operation:

The ETC/MLC lab complex, Gladfelter 336 GIS lab, Gladfelter 230 visual lab, and Gladfelter 846 social science lab are all open from 8:00 a.m. to 9:30 p.m. Monday through Thursday during the fall and spring semesters and from 8:00 a.m. to 7:00 p.m. on Fridays, during breaks, and for both summer sessions. There are no weekend hours.

Weiss Hall 640 is open from 8:00 a.m. to 7:00 p.m. weekdays year-round.

Anderson 103, 104, and Gladfelter 513 are exclusively instructional labs and are open only for scheduled classes and events.

Academic Advising

College of Liberal Arts Academic Advising Center
1810 Liacouras Walk, Third Floor
215-204-7971
claaac@temple.edu

Visit the CLA Academic Advising Center web site at www.temple.edu/cla/advising.

It is recommended, and in some cases required, that students consult with an advisor prior to registration. The advisor will review the proposed coursework and inform students of the requirements for graduation. In addition, the advisor helps students achieve breadth in their curriculum and provides other needed assistance.

Academic advisors strive to avoid errors when advising students about program requirements; however, the college cannot assume liability for errors in advising. Students are responsible for knowing the requirements for their degree and for acquiring current information about their academic status.

Academic Advising Center

The Academic Advising Center in the College of Liberal Arts helps Liberal Arts students plan curricula, choose majors, make vocational and post-graduate plans, and resolve a variety of academic matters. Services are provided by a staff of full-time professional advisors and part-time faculty advisors. The center informs students about the results of placement testing and assignment into corresponding courses. Monitoring of academic progress and graduation clearance is also the responsibility of the Advising Center. Through individual interviews and group workshops, the center offers the following services:

- New Student Orientation for freshmen and first-semester transfer students
- Curriculum Advising for undeclared Liberal Arts students and declared majors in the Humanities and Social Sciences who have completed fewer than 30 credits. Students enrolled in the University Honors Program are advised in the Honors Office in Tuttleman Learning Center until they have completed 60 semester hours. All other students are advised in their major departments.
- Registration Assistance for students, including online processing of original registrations, schedule revisions, and course withdrawals according to University Policy. Note that no changes will be processed unless the student presents the request in person and waits for processing and a receipt of the transaction.
- Academic counseling provides an opportunity for students to develop a meaningful education plan compatible with life goals. Students can also meet with advisors to discuss a variety of academic concerns and develop some possible solutions. Students on academic probation or experiencing academic difficulty work with advisors to learn strategies for overcoming the obstacles to success.
- Pre-Professional Advising for students planning to enter law school. Pre-professional advising for the health professions is offered through the Academic Resource Center.
- Intra-University Transfer (IUT) Advising for students changing programs and moving to the College of Liberal Arts from other schools and colleges within Temple. During mandatory group advising sessions, students transferring to Liberal Arts learn about collegial degree requirements, policies, and procedures, and complete their IUT applications.
- Readmission interviews
- Mandatory Graduation Reviews for students who have completed 80 or more credits and are approximately two semesters away from graduation
- Special requests that require students to petition, including those to attend another university for a semester or summer course, be graded in one course on a credit/no credit basis, register for an overload, evaluate credit by examination, or receive approval for an exception to policy

Departmental Advisors

Students are advised by a departmental advisor within their major once they have accumulated at least 30 credits and have declared a major. Through contact with departmental faculty, students gain an in-depth appreciation of a specific discipline and discover opportunities associated with their field of interest.

Student Grievance Procedures

Title IX of the Educational Amendments Act of 1972 requires that each college or university establish due process for the resolution of academic grievances for the purpose of protecting

students from prejudiced and capricious academic evaluation. All undergraduate students enrolled in the College of Liberal Arts have a right to appeal grades which they deem unfair and unreasonable. The student must provide evidence indicating a mistake, fraud, or bad faith on the part of an instructor.

Examples of student grievance matters include (but are not limited to):

- Homework score is missing from final grade calculation
- Test score is miscalculated
- Failure of instructor to follow grading policy on syllabus

Students will not be allowed to grieve a grade unless it is accompanied by such evidence. A student must initiate the first stage of an academic grievance no later than thirty days after the beginning of the fall or spring semester immediately following the completion of the course in which the grievance occurred. Students should first contact their instructor to discuss the grade(s) in question, and if the matter cannot be resolved at that level, students are then urged to talk with the chairperson for the department in which this course was given. (Chairperson information is available in this publication.) Copies of the College of Liberal Arts Grievance Procedure can be obtained from the Dean's Office, Anderson Hall, 12th Floor. For more information, students should contact the college's Grievance Officer, Angela Scott, in 1228 Anderson Hall at angela.scott@temple.edu or 215-204-7792.

Non Academic Grievances

Students may have grievances that are not academic in nature. Such grievances should be directed to other offices on campus, including the Office of the Dean of Students, the Affirmative Action Office, Campus Housing, and other units on campus. Students unsure as to where to proceed with a non-academic grievance should consult either with the Office of the Dean of Students or the college's Academic Advising Center.

Continuing Student Registration

Continuing student registration is the period during the fall and spring semesters when currently enrolled students should register. During the fall semester, freshmen meet with advisors in a group setting to discuss course selections for the upcoming spring semester. Freshmen and transfer students with fewer than 30 credits will be unable to register for their second semester unless they attend this mandatory group advising session. DARS for all students are available on the web through OWLnet.

New transfer students and continuing students in academic good standing are encouraged to meet with their advisors before processing their schedules via OWLnet registration. Students ineligible to use online registration are required to register in the Academic Advising Center.

Pre-Professional Advising

Early Admission to Health Professions Graduate Programs

Students in the College of Liberal Arts who have been admitted to graduate health-related professional schools at the end of their third year and have completed 90 semester hours of College of Liberal Arts or College of Science and Technology coursework, including the requirements of the college and their majors, with a cumulative GPA of at least 3.5 may petition the dean for the transfer of their first year in professional study toward the completion of the requirements for the degree of Bachelor of Arts.

Preparation for the Study of Law

All law schools accept the degree of Bachelor of Arts as fulfillment of their requirements for admission. The Pre-Legal Education Committee of the Association of American Law Schools and the Temple University School of Law stress the importance of a well-rounded education. Since the legal profession makes extensive use of both the written and spoken English language as professional tools, the law student should have extensive preparation in English in undergraduate courses. Because a large part of a lawyer's work requires problem solving and sound judgment, students should take courses that help develop creative power in thinking. The study of law, furthermore, rests upon a broad knowledge of western civilization, including its political, economic, and social institutions; hence, the student preparing for law should schedule courses which afford this broad background. Some law schools also recommend two semesters of accounting. After selecting a field of concentration, the student schedules courses in consultation with both the advisor in the area of concentration and with the pre-law advisor in the Academic Advising Center of the College of Liberal Arts.

Courses of Special Interest to Pre-Law Students

While no specific undergraduate courses or majors are required for admission to accredited law schools, pre-law students are advised to select courses and programs of study that are intellectually challenging, while helping to develop necessary skills and knowledge.

Courses that are "law-related" because they either require reading of law cases or concern the study of particular legal issues are listed below for the convenience of interested students. Law school admissions officials prefer that pre-law students take very few such courses, believing that the teaching of law more appropriately belongs in the province of the law school. It may be useful, however, for students who are uncertain about attending law school to test their level of interest by selecting one or more of the following courses in the College of Liberal Arts:

Department	Course #	Course Name	Hours	RCI
American Studies	3033	Courtroom in American Society	3	
Criminal Justice	2501	Introduction to Criminal Law	3	
Criminal Justice	3201	The American Jury System	3	
Criminal Justice	3502	Criminal Procedure: Prosecution & Adjudication	3	

History	2105	Race & the U.S. Constitution	3	RS
Philosophy	1062	Morality & the Law	3	IN
Philosophy	2154	Political Philosophy	3	
Philosophy	3243	Philosophy of Law	3	
Political Science	3121	American Constitutional Principles I	3	
Political Science	3123	American Constitutional Principles II: Civil Rights in America	3	
Political Science	3411	Classical Political Philosophy	3	
Sociology	3243	Social Movements	3	
Women's Studies	4004	Women and Criminal Justice	3	

To develop the communications skills of reading and comprehension, expository writing, and speaking:

Department	Course #	Course Name	Hours	RCI
Communication Sciences & Disorders	1108	Introduction to Linguistics	3	
Adult & Organizational Development	2214	Conflict & Communication	3	
English	2796	Writing the Research Essay	3	WI
English	2496	Introduction to Writing Non-Fiction	3	WI
English	2000+	Upper-level literature courses	3	
STOC	1111	Public Speaking	3	
STOC	2112	Persuasion	3	

To develop analytical reasoning skills:

Department	Course #	Course Name	Hours	RCI
Philosophy	1055	Critical Thinking	3	
Philosophy	1066	Introduction to Logic	3	QB
Philosophy	1101	Introduction to Philosophy	3	
Philosophy	2121	Introduction to Ethical Theory	3	
STOC	2222	Argumentation	3	
Computer Science and Mathematics				
Natural Science				

Since most law schools require applicants to submit the score earned on the Law School Aptitude Test, administered periodically by the Law School Admissions Service, students planning to study law should consult the pre-law advisor prior to the senior year to determine whether the school to which they plan to apply will require such a test and to determine the dates when such examinations are given. Prospective law students should consult the pre-law advisor about requirements for admission to law school, law school scholarship assistance, and opportunities in the legal profession. To satisfy statutory requirements, early in their senior year, prospective law students should consult the pre-law advisor concerning the legal requirements for practicing law in the state in which the student desires to study and practice.

Phi Alpha Delta Law Fraternity, International

Students interested in College of Liberal Arts pre-law studies are encouraged to join Phi Alpha Delta. Its pre-law program assists "undergraduate students to make an 'informed choice' in selecting law as a career, deciding which law school to attend, and in preparing for the rigors of law school."

Phi Alpha Delta was formed "to advance the ideals of liberty and equal justice under law; to stimulate excellence in scholarship; to inspire the virtues of compassion and courage; to foster integrity and professional competence; to promote the welfare of its members; and to encourage their moral, intellectual, and cultural advancement." For more information about Phi Alpha Delta and College of Liberal Arts pre-law society, please contact Dr. Paul Crowe, pre-law advisor, at 215-204-8591 or pcrowe@temple.edu.

Academic Policies & Regulations

University policies and regulations generally apply to all undergraduate students and provide a framework within which schools and colleges may specify further conditions or variations appropriate to students in their courses or programs.

Academic Residency Requirements

Students who transfer into the College of Liberal Arts must complete at least 30 semester hours of coursework as a student registered through the college and at least half of the courses required in the major at Temple University.

Course Eligibility

All College of Liberal Arts undergraduate courses are divided into four kinds:

- Preparatory courses numbered 0700-0799.
- General Education courses numbered 0800-0999.
- Lower-Level courses numbered 1000-1999: open to all students including non-matriculated students who are in the process of completing or who have completed appropriate course prerequisites.
- Upper-Level courses numbered 2000-4999: open to all matriculated students who have completed all appropriate course prerequisites.

Courses Taken Elsewhere by Liberal Arts Students

Matriculated Temple students must always petition for the prior approval of their dean or dean's designee to take courses at another institution. (See [Permission to Take Courses at Another Institution](#) under Academic Policies and Regulations.) Petitions are available in the College of Liberal Arts Academic Advising Center.

Dean's List

Each semester, undergraduate students who achieve a grade point average of 3.5 or above for the semester with 12 or more graded credits toward the degree and with no grade of Incomplete or "R" are selected for the Dean's List. Letters of congratulation are sent to each of these students.

Declaration of Major

Students in the College of Liberal Arts must declare their major before completing 60 credits, which includes credits transferred from other institutions. Undeclared students with 45 or more credits are required to meet with an advisor in the Academic Advising Center before registering. Students who wish to Intra-University Transfer (IUT) into the College of Liberal Arts from other colleges and schools at Temple must have at least a 2.0 cumulative GPA. Students will not be permitted to IUT as undeclared majors if they have completed, or are in the process of completing, 60 or more semester hours.

Graduation Procedures

Upon completion of 80 semester hours, all students are required to review with an advisor in the Academic Advising Center a summary sheet indicating the degree requirements that remain to be completed. Students can schedule this review in the Academic Advising Center. Students who miss or arrive late to this appointment will not be granted a second formal appointment and must see an advisor on a walk-in basis to discuss their remaining requirements. Graduation review appointments by e-mail are now available; students may inquire about e-mail graduation reviews by sending a message to clagrad@temple.edu.

Graduating students are responsible for confirming their final semesters' registrations with an academic advisor prior to the start of that semester. Graduating students who in any way change their final semesters' registrations after previously confirming their registrations with an advisor are responsible for ensuring the changes will fulfill all degree requirements. Graduation is contingent upon completion of all General Education, college, major, and grade point average degree requirements.

Notice of Anticipation of Graduation

Early in the semester in which students will complete their degree requirements, they must apply for graduation by completing an application titled "Application for Graduation," available either at the reception desk of the Advising Center or online (prospective graduates will be notified via Temple e-mail with instructions on applying online for graduation). Students are responsible for ensuring their intended graduation date is up-to-date. Forms to change intended graduation dates are available at the Advising Center.

Placement Tests

All incoming freshmen must take diagnostic English and mathematics placement tests. Transfer students who have not completed English 0802/1002 or a college-level math course are also

required to take placement examinations. The results of these tests determine if students are required to enroll in introductory composition and mathematics courses. Students assigned to English 0701/0711 must register each semester for that course until the requirement is completed. Only upon successful completion of English 0701/0711 can such students enroll in English 0802/1002/1012. Students assigned to courses designed to remedy deficiencies in mathematics are required to complete those courses before enrolling in the mathematics component of the University General Education Program. Incoming students must also take a foreign language placement examination if they plan to continue a language previously studied or if they wish to place out of the foreign language requirement.

Plagiarism & Academic Cheating

Plagiarism and academic cheating are unacceptable in College of Liberal Arts courses. The development of independent thought and a respect for the thoughts of others is essential to intellectual growth. The penalty for plagiarism or cheating as a first offense is normally an F in the course in which the offense is committed. In such cases, the instructor will write a report to the dean. The CLA Grievance Committee will adjudicate appeals made by students and serious cases, or repeat offenses, referred to the committee by an instructor or the dean. The dean may recommend suspension or expulsion from the university when warranted. Instructors may also refer the offense to the University Disciplinary Committee (UDC) for adjudication.

The prohibition against plagiarism and cheating is intended to foster this independence and respect. For more information, see [Academic Honesty](#) under Student Responsibilities.

Academic Warning, Probation, Dismissal, & Reinstatement

To maintain satisfactory standing in the university, a matriculated or non-matriculated undergraduate student must achieve both a semester grade point average and a cumulative grade point average of at least a 2.0.

The academic actions of Warning, Probation, Dismissal from Degree Candidacy, and Reinstatement to Degree Candidacy are guided by a number called the grade-point deficiency, which is standard across all schools and colleges. Grade-point deficiency points identify students who are achieving cumulative grade point averages below 2.0, establish the point at which students will be warned that they are in academic difficulty, define the limit at which students are dismissed from degree candidacy, and define their eligibility for reinstatement. See the [University Policy on Academic Warning, Probation, Dismissal, and Reinstatement](#).

Withdrawal from Classes

During the first two weeks of the fall or spring semester, students may drop a course with no record of the class appearing on the transcript. In weeks three through nine of the fall or spring semester, or during weeks three and four of the summer sessions, students may withdraw with the permission of the Academic Advising Center. Instructors' signatures are not required to withdraw. The course will be recorded on the transcript with the instructor's notation of "W,"

indicating that the student withdrew. After week nine of the fall or spring semester, or week four of summer sessions, students may not withdraw from courses.

Students may not withdraw from more than five courses during the duration of their studies to earn a bachelor's degree effective as of fall 2003, and students may not withdraw from the same course more than once.

For the complete drop/withdrawal policy, please refer to the [Academic Policies](#) section of this *Bulletin*.

Requirements for the Baccalaureate Degree

Credit Hour Requirements

The liberal arts baccalaureate degrees require a minimum of 123 credit hours, distributed according to the university and college policy outlined below, with at least a 2.0 cumulative grade point average (GPA). A minimum 2.0 GPA must also be maintained in CLA/CST coursework and in the major.

To earn a CLA baccalaureate degree, a student must complete a minimum of 90 semester hours in CLA/CST courses, 45 semester hours of which must be at the upper level (numbered 2000-4999). Of that, 6 semester hours must be outside the student's major division (e.g. Social Sciences or Humanities).

A maximum of 9 semester hour credits of Independent Study can be applied to the Bachelor's degree.

Bachelor of Arts Requirements

The College of Liberal Arts does not award Bachelor of Arts degrees to students who have already completed an accredited first Bachelor's, Master's, or Ph.D. degree, regardless of when the degree was completed.

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshman students starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum. Information about the GenEd program can be found at: www.temple.edu/bulletin/Academic_Programs/general_education/index.shtm.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum. Information about the Core Curriculum can be found at: www.temple.edu/bulletin/Academic_programs/core/generalinfo/core_generalinfo.shtm.

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for each major are listed on the individual program pages and are identified by "WI" in the RCI column.

Foreign Language/Global Studies Requirement

The study of foreign language and world cultures is at the heart of a Bachelor of Arts degree. To that end, all B.A. students in CLA are required to complete the Foreign Language/Global Studies requirement.

All students complete the second level of a foreign language and at least one course from the GenEd World Society category and one of the following options:

- A) Third level (or proficiency) in a foreign language
- B) Take a second General Education World Society course
- C) Study Abroad at an approved program.
- D) Take one Global Studies course from the following list:
 - Anthropology 2361: *Peoples of Latin America*
 - Anthropology 2362: *Peoples and Cultures of the Caribbean*
 - Anthropology 2364: *People and Cultures of the Middle East*
 - Anthropology 2374: *Anthropology of Modern China*
 - Asian Studies 2021: *Japanese Literature in Film*
 - Asian Studies 2501: *Introduction to East Asia: China*
 - Asian Studies 2502: *Introduction to East Asia: Japan*
 - Asian Studies 2503: *Introduction to Southeast Asia: Insular*
 - Asian Studies 2504: *Introduction to Southeast Asia: Mainland*
 - Chinese 2011: *Pre-Modern Chinese Literature*
 - English 2601: *Introduction to Postcolonial Literature*
 - English 2712: *International Film*
 - English 3112: *Masterpieces of European Drama*
 - Geography & Urban Studies 2032: *Urban Systems in a Global Economy*
 - Geography & Urban Studies 2073: *African Development*
 - Geography & Urban Studies 3073: *Geography of Travel and Tourism*
 - Geography & Urban Studies 3097: *Environment and Development*
 - Greek & Roman Classics 1004: *Ancient City*
 - Greek & Roman Classics 2002: *Gender in Antiquity*
 - Greek & Roman Classics 2101: *Ancient Greek Civilization*
 - Greek & Roman Classics 2102: *Ancient Roman Civilization*
 - Hebrew 3711: *Israelis and Palestinians*
 - History 1501: *Third World History*
 - History 1702: *World History Modern*
 - History 2304: *20th Century Europe*
 - History 2702: *Imperialism, Race and Empire*

- Italian 2221: *Italian Culture through Film* (taught in English)
- Italian 3201: *Italian Culture and Civilization* (taught in Italian)
- Italian 3240: *Topics in Italian Cinema and Literature* (taught in English)
- Japanese 2012: *Survey of Japan Literature: Modern*
- Japanese 2021: *Japanese Literature in Film*
- Japanese 2096: *Japanese Popular Culture and Literature*
- Latin American Studies 1001: *Perspectives on Latin America*
- Latin American Studies 2232: *Politics of Development in Latin America*
- Political Science 1201: *Foreign Governments and Politics*
- Political Science 1301: *International Politics*
- Religion 2002: *Religion and Human Sexuality*
- Religion 2606: *Introduction to Islam*
- Religion 3001: *Earth Ethics*
- Russian 1201: *Russian Culture*
- Sociology 0862: *Development and Globalization*
- Sociology 3219: *Globalization: Causes, Promises and Discontents*
- Sociology 3221: *Sociology of International Development*
- Sociology 3511: *Sociology of the Environment*

Major

Students must also complete the requirements of a major. The minimum acceptable grade in a course taken to fulfill major requirements is a "C-", though students need a "C" GPA overall in major coursework in order to graduate. Students are encouraged to declare their major by the end of the freshman year; forms for this purpose are available in the Academic Advising Center on the third floor at 1810 Liacouras Walk.

B.A. majors are offered in the divisions of the Humanities and the Social Sciences.

- **Humanities:** English, Foreign Languages, Greek and Roman Classics, Philosophy, Religion
- **Social Sciences:** African American Studies, American Studies, Anthropology (includes tracks in Human Biology and Visual Anthropology), Asian Studies, Criminal Justice, Economics, Environmental Studies (BA or BS), Geography and Urban Studies, History, Jewish Studies, Latin American Studies, Mathematical Economics, Political Science, Psychology, Sociology (includes track in Sociology of Health), Women's Studies

Upper-level distribution requirements

B.A. students must complete upper-level distribution requirements by taking two upper-level (numbered 2000-4999) CLA courses outside the curriculum division of the major (or upper-level College of Science and Technology courses). Students who have double majors in two different divisions automatically satisfy the distribution requirement.

Courses Inapplicable to Graduation

Semester hours earned in Military Science are excluded from the total minimum semester hours required for graduation.

For areas in which placement into a sequenced course is determined by test (such as English, Math, and Foreign Language): students will not receive academic credit towards graduation for courses taken below the level into which they placed after they have completed either that placement level or a higher-level course.

Credit/No Credit

During the junior and senior years, any College of Liberal Arts student who is in good standing and taking a minimum of 12 semester hours may elect to take one course each semester on a Credit/No Credit basis, except for courses that count toward major, minor, GenEd/Core, or distributional requirements. Application must be made at the Academic Advising Center during the first two weeks of a fall or spring semester course and during the first three days of a first or second summer session course.

Special Major & Minor Requirements

Interdisciplinary Major

Rather than major in an existing department or program, students may apply for a major in Interdisciplinary Studies. The proposed major should consist of coursework totaling at least 36 semester hours and be justified in terms of some thematic unit of cohesive rationale. The program must not closely resemble any major currently available in the College of Liberal Arts.

The proposed major program may include courses outside of the College of Liberal Arts, but at least 24 semester hours must be in upper-level liberal arts or science courses. The student's proposal must be sponsored by two faculty members from different departments, at least one of whom must be in the College of Liberal Arts. Approval for the program must be obtained from the College of Liberal Arts Academic Advising Center prior to the initiation of the last 60 semester hours of the degree.

Honors Interdisciplinary Major

Students in the University Honors Program may apply for a College of Liberal Arts Honors Interdisciplinary Major. They must complete the degree requirements of the B.A. in the College of Liberal Arts and the requirements for the Interdisciplinary Major described above as well as the requirements for the University Honors Program. Approval for this program must also be obtained from the University Honors Committee prior to the initiation of the last 60 semester hours of the degree.

In addition, the proposed major program should include submission of an acceptable honors thesis to the University Honors Oversight Committee.

Minor

Students may also choose to complete the requirements for a minor. The minimum acceptable grade in a course taken to fulfill minor requirements is "C-", though students need a "C" GPA in the minor in order to have the minor awarded at graduation. At least half of the courses taken by

a student to fulfill the minor must be taken at Temple. Forms for declaring a minor are available in the following programs:

African American Studies; American Studies; Ancient Mediterranean Studies (see Classics); Asian-American Studies; Asian Studies; Classics; Cognitive Neuroscience (see Psychology); Criminal Justice; Critical Languages; Economics; English; Environmental Studies; French; General Anthropology; Geography and Urban Studies; German; Hebrew; History; Italian; Japanese; Jewish Studies; Latin American Studies; Lesbian, Gay, Bisexual and Transgender (LGBT); Philosophy; Political Science; Portuguese; Psychology; Religion; Russian; Sociology; Sociology of Health; Spanish; Visual Anthropology (see Anthropology); and Women's Studies.

Certificates of Specialization

Students may choose to complete the requirements for an additional Certificate of Specialization. At least half of the courses taken by a student to fulfill a certificate of specialization must be taken at Temple. Forms for declaring a certificate are available in the Academic Advising Center on the third floor at 1810 Liacouras Walk. Certificates of Specialization are available in the following programs:

- Asian Business and Society (see Asian Studies)
- Foreign Languages: Arabic, Chinese, French, German, Italian, Japanese, Russian, Spanish (see departments)
- Geography of Sports, Recreation and Tourism Planning (see Geography and Urban Studies)
- Geography of Tourism (see Geography and Urban Studies)
- Health Research (see Sociology)
- Jewish Secular Studies (see Jewish Studies)
- Latin American Studies Semester (see Spanish)
- Management Career (see Economics)
- Multilingual Business and Government Studies (see Spanish)
- Political Economy (see Economics and Political Science)
- Sociology Health Research (see Sociology)
- Spanish and Latin American Studies for Business (see Spanish)
- Spanish and Latino Studies for the Health and Human Services Professions (see Spanish)
- Travel and Tourism (see Geography and Urban Studies)
- Women's Studies (see Women's Studies)
- Writing (see English)

Student Contact Information

Please refer to the individual programs of study in this *Bulletin* for contact information. You may also find contact information on the College of Liberal Arts web site at www.temple.edu/cla/About/Departments/ and at <http://directory.temple.edu/search/>.

Faculty

Go to the College of Liberal Arts web site at www.temple.edu/cla/About/Departments/ and click on the individual department for a list of faculty in that department. See also <http://directory.temple.edu/search/>.

African American Studies

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The mission of the Department of African American Studies (AAS) is to provide an intellectual arena in which students learn critically to examine, analyze, and interpret the experiences, traditions, and dynamics of peoples of African descent so as to be prepared to take roles of effective agency, participation, and leadership in the intellectual, research, and social activist domains of professional and community life. The department's guiding philosophy is African-centered in that we believe that mindful awareness of the social, cultural, and historical experiences of African peoples must inform and guide all viable research, analysis, interpretation, and action directed toward people of African descent.

The curriculum stresses the skills necessary to think critically, write clearly, argue persuasively, and solve problems effectively. Students are exposed to theory and research in a variety of subject areas and are encouraged to engage in active research and service beyond the classroom. Past AAS alumni have entered careers in primary and secondary education and administration, social work and administration, research design, law enforcement, city government, and have also worked with museums and other cultural and artistic institutions. Others have entered graduate studies in a variety of areas, including law, the health-related professions, public administration, and the social sciences.

The department offers three internal awards for graduating seniors—two privately-sponsored awards for outstanding academic performance and one departmental award for outstanding service. The Department of African American Studies supervises the Temple in Ghana program,

which allows students to study for six weeks during the summer at the University of Ghana in Accra.

Requirements for the Major

Department	Course #	Course Name	Hours	RCI
African American Studies	1296	Introduction to African American Studies	3	WI
African American Studies	3215	Languages & Cultures of West Africa	3	
African American Studies	2201	African Civilization	3	
African American Studies	3268	Critical Readings in African American History	3	
African American Studies	2255 ¹	Introduction to Research Methods (offered during Fall semester only ¹)	3	
African American Studies	4096 ¹	Senior Seminar (offered during Spring semester only)	3	WI*
African American Studies	Electives	Select four (4) additional courses as outlined below ² .	12	
African American Studies	Elective	One additional elective numbered 2000-4999	3	
Total			33	
* Indicates Writing Capstone.				

Note 1: Students must take AAS 2255: *Introduction to Research Methods* and AAS 4096: *Senior Capstone Seminar* in sequence because students must complete in AAS 4096 the research that they will design in AAS 2255. Thus, complete AAS 2255 in the fall, the only term in which it is offered, and then immediately enroll in AAS 4096 for the spring term, the only semester in which it is offered. The department does not accept other research courses as substitutes for AAS 2255.

Note 2: Of the four electives, students must choose at least TWO Cultural Aesthetic courses (AAS 1124, 1125, 1152, 1158, 1165, 1252, 2131, 2134, 2208, 2934, 3176, 3271, 4115, and 4146--at least one of these must be literature-based), plus at least TWO Socio-Behavioral courses (AAS 1253, 1271, 2151, 2211, 2218, 2248, 2251, 3257, 3296, 4221, 4248, and 4389).

Note 3: All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed above and are identified by "WI" in the RCI column.

Distinction in Major

African American Studies majors may graduate with a distinction in major if they have earned a GPA of 3.3.

Requirements for the Minor and Suggested Order of Completion

Department	Course #	Course Name	Hours	RCI
African American Studies	1296	Introduction to African American Studies	3	WI

African American Studies	3215	Languages & Cultures of West Africa	3	
African American Studies	2201	African Civilization	3	
African American Studies	3268	Critical Readings in African American History	3	
African American Studies	2255	Introduction to Research Methods (offered during Fall semester only)	3	
	Electives	Select two (2) additional courses, one of which must be above the 2000-level.**	6	
Total			21	

**Make these selections based on the content areas in which you desire greater familiarity (e.g., AAS literature, AAS social issues, AAS psychology, etc.). One of these two upper-level courses may be an AAS-related course outside the department; however, students must seek written approval from the AAS undergraduate director prior to enrolling in outside courses that they want to apply toward the AAS minor. Students must earn a grade of B or higher in external courses that they wish to apply toward the AAS minor.

The department does not accept other research courses as substitutes for AAS 2255.

American Studies

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American Studies is an interdisciplinary program that explores the rich complexity of American culture. Courses focus on such major issues as work, technology, and the role of the media and popular culture in American life; the culture of cities and suburbs; the role of law; the radical tradition; photography; film; and music. American Studies provides students with a solid understanding of the culture of the United States through interdisciplinary courses originating in the program as well as through recommended courses in other departments and disciplines. The program also offers student internships at a variety of cultural institutions in Philadelphia and the Delaware Valley. American Studies courses are known as challenging and thought-provoking, and many of them are cross-listed with the Temple University Honors Program. The major program stresses development of reading, writing, and analytical skills that are necessary for successful careers in various professional fields. American Studies majors go on to graduate school, law school, or medical school. They also may take jobs in museums, libraries, business, social services, public relations, and the media.

Requirements for the Major

Department	Course #	Course Name	Hours	RCI
All majors must complete five American Studies core courses, one out of each group below.				

American Biography and Work – Select one:			3	
American Studies	1001/1901	American Lives		AC
American Studies	1042	Work in America		AC
American Studies	1002	Key Documents in American Civilization		
American Culture – Select one:			3	
American Studies	2011	The Arts in America		
American Studies	2022	Museums and American Culture		
American Studies	2012	Introduction to Material Culture		
American Studies	3011	Photography in America		
American Studies	3012	Film and American Society		
American Studies	3061	Mass Media and American Popular Culture		
American Studies	3013	The Documentary Mode		
American Studies	2120/2900	Topics in American Culture +		
Place in American Life – Select one:			3	
American Studies	2051/2951	American Places: Home, City, Region		
American Studies	2021	Philadelphia Neighborhoods		
American Studies	3022	The City: Urban Design and American Culture		
American Studies	3051/3951	American Frontiers		
American Studies	2001	Tourism in America		
American Studies	2120/2900	Topics in American Culture +		
Diversity in America – Select one:			3	
American Studies	3096	American Woman: Visions and Revisions		WI
American Studies	2096	Asian Diaspora		WI
American Studies	2097	Asian Women in Transition		WI
Change in America – Select one:			3	
American Studies	3041	Contemporary Trends in the American Workplace		
American Studies	2041	Technology and American Culture		
American Studies	3901	Honors Ideal America: Reform, Revolution, and Utopia		
American Studies	3032	Literature and Political Change		
American Studies	3033	Courtroom in American Society		
American Studies	2064	America in the 1950s		
American Studies	3031/3931	Political Protest and Culture in the 60's		
American Studies	3075	Literature of American Slavery		RS
American Studies	2031	Radicalism in the United States		
American Studies	2032	Critical Moments in the American Past		
American Studies	2065	Global America		
American Studies	2120/2900	Topics in American Culture+		

+Specific subjects change each semester. See course descriptions for information on a particular offering. American Studies 2120 may meet one or more of the above requirements with permission of director.

Students must also complete three additional courses in American Studies. These can include choices from the American Studies core courses as well as choices from all other American Studies courses.

American Studies		Electives (select from 2120-4098)	9	
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In addition, students must take at least four courses outside of the major selected in consultation with the American Studies director and congruent with an American Studies focus. We recommend that at least 6 of these credits be in American history and literature.

Open		Electives - American Studies Focus	12	
Capstone course – Select one**			3	
American Studies	4097	Senior Seminar in American Studies		WI*
American Studies	4098	Senior Independent Study		WI*
Total			39	

* Indicates Writing Capstone for the Major

**Students must take the Senior Seminar in their final year of study (usually offered in Fall semester). Only in rare circumstances and with special permission can students satisfy the capstone by taking 4098.

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed above and are identified by "WI" in the RCI column.

Distinction in Major

American Studies majors may graduate with distinction in the major if they have a GPA of at least 3.5 in the major and a cumulative GPA of at least 3.0

Requirements for the Minor

Department	Course #	Course Name	Hours	RCI
American Studies		Select six American Studies courses, at least three of which should be taken from American Studies Core Areas as listed under "Major Requirements."	18	

Asian American Studies Minor

This interdisciplinary minor focuses on Asian American history, culture, and contemporary issues as well as their Asian roots and American context. The Asian American Minor is six courses (18 s.h.), four in Asian American Studies, one in American Studies, and one Asian

Studies course under an Asian Studies or cross-listed number, as distributed below. In lieu of taking regular academic courses, students can earn credits through fieldwork and independent study under a professor's guidance. This minor is a useful credential for majors in education, journalism and communication, social administration, health science, social science, humanities, history, pre-law studies, and business fields such as personnel and marketing.

Department	Course #	Course Name	Hours	RCI
<i>Select four Asian American</i> courses listed or cross-listed in American Studies.			12	
American Studies	2107	Asian American Experiences		RS
American Studies	1901	Honors American Lives		AC
American Studies	3074	Introduction to Asian American Literature		
American Studies	2096	Asian Diaspora		WI
American Studies	2097	Asian Women in Transition		WI
<i>Select one American Studies course on race or ethnicity</i> (or an alternative approved by an advisor).			3	
American Studies	2071	Immigrant Experiences in America		
American Studies	2072	Puerto Ricans in Philadelphia		
American Studies	3071	African American Experiences		RS
American Studies	3101	Latino Identity in the U.S.		
Italian	4161	Italian-American Literature & Culture		
<i>Select one Asian Studies</i> course under an Asian Studies or cross-listed number. Advisors can help choose from a list of over 60 courses.			3	
Total			18	

Anthropology

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Leonard Greenfield, Undergraduate Chair and Faculty Advisor
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Anthropology is the study of human origins, development, and diversity. Anthropologists explore the ways in which people understand and adapt to living in a variety of settings, ranging from urban environments to rural villages, all over the world and across time. Anthropologists are interested in investigating such questions as: What does it mean to be human? What are the

historical, social, political, economic, and environmental pressures that have helped shape the experiences of particular groups of people? How do human beings interact with the physical environment? Does the language that one speaks affect the ways in which one thinks and experiences the world? Anthropology includes four broad sub-fields, all of which are well represented at Temple University: Cultural Anthropology, Archaeology, Biological Anthropology, and Linguistic Anthropology.

Undergraduate majors in Anthropology pursue one of three courses of study: General Anthropology, the Human Biology Track, or the Visual Anthropology track. Laboratory facilities, internships, fieldwork, and experiential learning courses provide students with practical experiences in all of Anthropology's sub-fields. A minor can be taken in General Anthropology or in Visual Anthropology.

General Anthropology

The general anthropology major is intended to give students a foundation in all of the four sub-fields associated with the discipline of anthropology. Each of the sub-fields requires the development of a number of skills, including formulating hypotheses; developing research programs and proposals; applying theories to the interpretation of data, including artifacts; and gathering ethnographic information through participant-observation. There is sufficient flexibility in the requirements for the general anthropology major so that a student can focus their coursework, if desired, on any one of the four sub-fields.

With its focus on human diversity and its emphasis on cultural relativism, the general anthropology major well prepares students for the issues they are likely to encounter in today's workplaces. At Temple we offer a number of courses on such topics as the Anthropology of Policy, Medical Anthropology, and Urban Anthropology, which prepare students for careers in public administration, social work, health policy, urban planning, and other aspects of public policy-related work, in addition to professional careers in fields such as business, law and medicine. Anthropology students are also well-prepared to participate in activities which call for cultural sensitivity and an understanding of cultural differences, such as the teaching of English as a foreign language and other work with immigrant communities or work in the global marketplace. A variety of courses on archaeology prepare students for careers in the field of cultural resources management and historic preservation.

Interested students can contact the faculty advisor for additional information. A brochure describing the General Anthropology major can be obtained in the department.

Requirements for the Major - General Anthropology

Required Courses				
Department	Course #	Course Name	Hours	RCI
Introductory – Select one:				
Anthropology	1055	Introduction to Physical Anthropology	4	SB
Anthropology	1061	Cultures of the World	3	IS
Anthropology	1062	Introduction to Anthropology	3	IN/RS
Anthropology	1064	American Culture	3	AC

Anthropology	1065	Origins of Cultural Diversity	3	IS
Subtotal			3-4	
Fundamentals				
Anthropology	2104	Fundamentals of Archaeology	3	
Anthropology	2396	Fundamentals of Cultural Anthropology	3	WI
Anthropology	2507	Fundamentals of Linguistic Anthropology	3	
Anthropology	2705	Fundamentals of Biological Anthropology	4	
Subtotal			13	
Methods – Select one:*			3-4	
Anthropology	3170	Methods in Archaeology (variable topic course: Sediments, soils and geomorphology; lithic analysis; ceramic analysis; field methods)		
Anthropology	3175	Heritage Management in Archaeology		
Anthropology	3189	Field Session in Archaeology		
Anthropology	3389	Fieldwork in Ethnography		
Anthropology	3510	Theory and Method in Linguistics		
Anthropology	3770	Methods in Physical Anthropology (variable topic course)		
Anthropology	4444	Anthropological Problems in Visual Production		
Anthropology	4496	Research in Visual Anthropology		WI
Capstone				
Anthropology	4396	History of Anthropological Theory	3	WI
Anthropology	2000-4999	Electives – <i>Select Five (5):</i> Choose from courses at the 2000 level and above that have not been used to satisfy other requirements for the major	15	
Subtotal			21-22	
Total			37-38	
*Additional methods courses can be taken as electives; 3170 and 3770 can be taken multiple times as they are topical courses.				

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed above and are identified by "WI" in the RCI column.

Distinction in Major

Anthropology majors may graduate with distinction in the major if they have earned a GPA of 3.5 or higher.

Requirements for the Minor – General Anthropology

Department	Course #	Course Name	Hours	RCI
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Introductory – Select one:			3-4	
Anthropology	1055	Introduction to Physical Anthropology		SB
Anthropology	1061	Cultures of the World		IS
Anthropology	1062	Introduction to Anthropology		IN/RS
Anthropology	1064	American Culture		AC
Anthropology	1065	Origins of Cultural Diversity		IS
Fundamentals – Select two:			6-7	
Anthropology	2104	Fundamentals of Archaeology		
Anthropology	2396	Fundamentals of Cultural Anthropology		WI
Anthropology	2507	Fundamentals of Linguistic Anthropology		
Anthropology	2705	Fundamentals of Biological Anthropology		
Electives – Select three:			9	
Anthropology	2000-4999	Chosen from remaining courses at the 2000 level and above		
Total			18-19	

Human Biology Track

The Human Biology Track in Anthropology prepares students for careers in medicine, dentistry, physical therapy, optometry, podiatry, and other allied health fields. Human Biology students major in Anthropology but take departmental courses primarily in biological anthropology. These courses deal in human genetics, human paleontology, human physiology, and human reproductive biology and behavior. They stress an evolutionary perspective on humans and integrate molecular, whole-organism, population, and species-level data on humans. The Human Biology Track also includes required courses in biology, cultural anthropology, human anatomy, and physiology. This program also encourages students to take health/biology-related courses in psychology, sociology, history, political science, and the humanities to fulfill admission requirements to professional schools in the health sciences. As a result, our students have the broad, liberal arts background that many health science professional schools find attractive.

Interested students should contact the pre-med advisor at 1810 Liacouras Walk, 1st Floor, or the Human Biology Track advisor, Dr. Leonard Greenfield, at 215-204-1489 or green@temple.edu. A brochure describing the Human Biology Track can be obtained in the Anthropology Department, room 209, Gladfelter Hall.

Requirements for the Major - Human Biology

Required Courses				
Department	Course #	Course Name	Hours	RCI
Anthropology	2705	Fundamentals of Biological Anthropology (Note: 2705 is the prerequisite for all courses in Biological Anthropology.)	4	
Anthropology	2396	Fundamentals of Cultural Anthropology	3	WI

<i>Select one of the following Biology sequences; you cannot mix sequences:</i>			8	
Biology	1011/1012	General Biology I and II		SA/SB
	1111/2112	or Introduction to Biology		
<i>Select one of the following Anatomy and Physiology sequences; you cannot mix sequences</i>			8	
Kinesiology	1223/1224	Human Anatomy & Physiology I and II		SA/SB
Biology	2233/3334	or Mammalian Anatomy and Physiology		
<i>Select two:</i>			6	
Anthropology	2761	Human Paleontology		
Anthropology	2762	Human Biology of Modern Human Populations		
Anthropology	2763	Human Population Genetics		
Anthropology	2764	Primate Behavior		
<i>Select one of the following Advanced courses:</i>			3-4	
Anthropology	3332	Medical Anthropology		
Anthropology	3741	Evolutionary Biology		
Anthropology	3744	Human Evolutionary Genetics		
Anthropology	3745	Human Osteology		
Anthropology	3748	Primate Evolution and Adaptation		
Anthropology	3770	Methods in Physical Anthropology*		
<i>Select one of these Capstone courses:</i>			3	
Anthropology	4397	Advanced Seminar in Medical Anthropology		WI
Anthropology	4796	Biocultural Adaptations in Human Populations		WI
Anthropology	4797	Evolutionary Perspectives on Reproduction		WI
Anthropology	4798	Seminar in Human and Primate Evolution		WI
Anthropology	4896	Environmental Physiology		WI
Electives – Select two**:			6	
Anthropology	3332	Medical Anthropology		
Anthropology	3741	Evolutionary Biology		
Anthropology	3744	Human Evolutionary Genetics		
Anthropology	3745	Human Osteology		
Anthropology	3748	Primate Evolution and Adaptation		
Anthropology	3770	Methods in Physical Anthropology*		
Anthropology	4896	Environmental Physiology		WI
Biology		Any upper-division courses numbered 2000 and above		

Chemistry	4401	Biochemistry I		
History	4297	Social History of American Medicine		WI
Psychology	2101	Cognitive Psychology		
Psychology	2103	Learning and Behavior Analysis		
Psychology	2201	Psychopathology		
Psychology	2301	Developmental Psychology		
Psychology	2401	Social Psychology		
Psychology	2502	Foundations of Cognitive Neuroscience		
Sociology	2552	Health and Disease in American Society		
Sociology	3521	International Health		
Total			41-42	
*Topical course which may be taken more than once				
**Cannot double-count electives and any other major requirements				

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed above and identified by "WI" in the RCI column.

Distinction in Major

Anthropology majors may graduate with distinction in the major if they have earned a GPA of 3.5 or higher.

Visual Anthropology Track

This track emphasizes a well-rounded liberal arts background and a comprehensive understanding of the world's varied systems of visual representation. The Visual Anthropology curriculum allows students to combine cultural anthropology with the study and practice of visual communication. Courses in the Visual Anthropology Track combine topics and methods familiar to the social sciences, humanities, and media arts. It is well suited to those students interested in popular culture as well as the fine arts; documentary and ethnographic film as well as feature film; all forms of artistic performance, including the folk arts, fine arts, popular arts, and media arts; televisual communication, including both broadcast and narrowcast forms; and home media and alternative media. Additional attention is now dedicated to relationships of globalization and New Media.

In the Visual Anthropology curriculum, literary traditions and criticism find a place alongside pictorial traditions and media criticism. Students may do original research that involves still photography and/or video production. Students apply field methods familiar to cultural anthropology to achieve a better understanding of the processes and products of visual communication. Laboratories are available for both still photography and video production. There are ongoing field programs in North America, Japan, and India. The summer program in India is intended to investigate Indian civilization through an anthropological and historical approach of its religions and artistic traditions, both ancient and contemporary. For more details

on the summer program in India, go to the Temple University in India web site at <http://isc.temple.edu/jjhala/templeindia/>.

Interested students should contact the Visual Anthropology Advisor, Jayasinhji Jhala, at 215-204-7727 or jjhala@temple.edu. A brochure describing the Visual Anthropology Track can be obtained in the Anthropology Department, room 209, Gladfelter Hall.

Requirements for the Major - Visual Anthropology

Department	Course #	Course Name	Hours	RCI
Anthropology	2396	Fundamentals of Cultural Anthropology	3	WI
Anthropology	2408	Fundamentals of the Anthropology of Visual Communication	3	
Anthropology	2507	Fundamentals of Linguistic Anthropology	3	
Anthropology	4444	Anthropological Problems in Visual Production	3	
<i>Select one:</i>			3-4	
Anthropology	2104	Fundamentals of Archaeology		
Anthropology	2705	Fundamentals of Biological Anthropology		
Capstone:			3	
Anthropology	4496	Research in Visual Anthropology		WI
Electives – Select six:			18	
Anthropology	3324	Art and Anthropology		
Anthropology	3433	Anthropological Film		
Anthropology	3434	Anthropology in Feature Films		
Anthropology	3438	Anthropology of Mass Media		
Anthropology	3439	Anthropology of Photography		
		*See advisor for more elective options		
Total			36-37	

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed above and are identified by "WI" in the RCI column.

Distinction in Major

Anthropology majors may graduate with distinction in the major if they have earned a GPA of 3.5 or higher.

Requirements for the Minor – Visual Anthropology

Required Courses				
Department	Course #	Course Name	Hours	RCI
Fundamentals – All of the following:			9	
Anthropology	2396	Fundamentals of Cultural Anthropology		WI
Anthropology	2408	Fundamentals of the Anthropology of Visual Communication		

Anthropology	2507	Fundamentals of Linguistic Anthropology		
Methods:			3	
Anthropology	4444	Anthropological Problems in Visual Production		
Electives – Select two:			6	
Anthropology	3324	Art and Anthropology		
Anthropology	3433	Anthropological Film		
Anthropology	3434	Anthropology in Feature Films		
Anthropology	3438	Anthropology of Mass Media		
Anthropology	3439	Anthropology of Photography		
Total			18	

Asian Studies

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Asian Studies draws on the resources of many departments to provide a comprehensive program of study on Asia (especially East Asia). Majors may concentrate on a geographic area, field, or theme(s). By combining language with the study of politics, history, society, art, religion and philosophy, and literature, each student can construct a major tailored to individual interests.

Temple's campus in Japan can provide students experience abroad while taking their coursework. The East West Club offers lectures, films, and career development programs, as well as fun and fellowship through extracurricular activities.

The curriculum gives students a foundation for living or working in Asia, or continuing their studies through developing a knowledge base, cross-cultural sensitivity, analytic thinking, and communication and writing skills in English and an Asian language. After graduation, students find employment in private firms, nonprofit organizations, or educational institutions. Some enter graduate programs in law, business, or academic fields, including Asian Studies.

The Asian Studies program will assist students in:

- understanding the broad foundations of at least one major Asian culture, including the history, culture, and socio-economic-political organization,

- recognizing the utility of different humanistic and social science disciplines in understanding a culture,
- understanding the distinction between theory and data and the links between the two components while drawing generalizations from actual social experience,
- recognizing the way language serves as a foundation of culture,
- understanding the issues and requirements of cross-cultural communication, and
- taking more initiative in educating themselves, to make analytical generalizations, to make ethical choices, and to feel confident in these and other exercises of personal responsibility.

Requirements for the Major

Department	Course #	Course Name	Hours	RCI
<i>Select two foundation courses from the list below. May incorporate the study of South or Southeast Asia, Asian Studies 1051, Asian Studies 1052, if approved by the Asian Studies advisor.</i>			6	
Asian Studies	1801	Chinese & Japanese Literature in Cultural Context		IS IS
Asian Studies	2074	Geography of East and South Asia		
Asian Studies	2501	Introduction to East Asia: China		
Asian Studies	2502	Introduction to East Asia: Japan		
<i>Completion of the fourth semester of a language below*:</i>			3	
Hindi	2002	Hindi Intermediate II		
Chinese	2002	Chinese Intermediate II		
Japanese	2002	Japanese Intermediate II		
Korean	2002	Korean Intermediate II		
<i>Select one writing-intensive elective from the following list:</i>			3	
Asian Studies	2097	Asian Diaspora		WI
Asian Studies	2098	Japanese Popular Culture and Literature		WI
Asian Studies	2696	Introduction to Islam		WI
Asian Studies	3696	Asian Women in Transition		WI
Asian Studies	4696	Modern Japan: Empire, War, Society		WI
Asian Studies	Electives	Six electives from three different subject areas .	18	
Asian Studies	4096	Seminar in Asian Studies	3	WI
Total			30-44	
* The language requirement may also be satisfied by examination of oral/aural and reading skills in any Asian language approved by the Asian Studies head advisor.				

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed above and are identified by "WI" in the RCI column.

Distinction in Asian Studies Major

Asian Studies majors may graduate with distinction in the major if they have a GPA of at least 3.5 in the major and a cumulative GPA of at least 3.0.

Requirements for the Minor

Department	Course #	Course Name	Hours	RCI
<i>Select two foundation courses from the list below. May incorporate the study of South or Southeast Asia, Asian Studies 1051, Asian Studies 1052, if approved by the Asian Studies advisor.</i>			6	
Asian Studies	1801	Chinese & Japanese Literature in Cultural Context		IS IS
Asian Studies	2074	Geography of East and South Asia		
Asian Studies	2501	Introduction to East Asia: China		
Asian Studies	2502	Introduction to East Asia: Japan		
Asian Studies	Electives	Four electives from three different subject areas.	12	
<i>Completion of the second semester of a language below*:</i>			4	
Hindi	1002	Hindi Elements II		
Chinese	1002	Chinese Elements II		
Japanese	1002	Japanese Elements II		
Korean	1002	Korean Elements II		
Total			18-26	
*The language requirement may also be satisfied by examination of oral/aural and reading skills in any Asian language approved by the Asian Studies head advisor.				

Asian Business & Society Certificate

Department	Course #	Course Name	Hours	RCI
Two required courses:				
Asian Studies	2001	Practical Asian Society and Culture	3	
IBA	2501	Fundamentals of Asian Business or	3	
Asian Studies	2511	Introduction to Asian Business		
(IBA 2501 and Asian Studies 2511 are cross-listed)				
Select one economics course:			3	
Economics	3563	International Trade		
Economics	3564	International Monetary Economics		
GSM	3566	Global Strategic Management		

Asian Studies Country Elective (See Academic Advising Center for list of approved electives.) **			3	
Asian Studies Writing Intensive Elective (See Academic Advising Center for list of approved courses.) **			3	WI
<i>Completion of the second semester of a language below*:</i>			4	
Hindi	1002	Hindi Elements II		
Chinese	1002	Chinese Elements II		
Japanese	1002	Japanese Elements II		
Korean	1002	Korean Elements II		
Total			15-23	

* The language requirement may also be satisfied by examination of oral/aural and reading skills in any Asian language approved by the Asian Studies head advisor.

** The country of the Asian Studies Country Elective and the Asian Studies Writing Intensive Elective must match the country of the language studied. For example, if the language requirement is met with Chinese, then courses on China must be chosen for both the Country and Writing Intensive Electives.

Asian American Studies - Minor

For more information on the Asian American Studies Minor, please see the [American Studies](#) page.

Classics

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Students in the Department of Greek and Roman Classics study the cultures and languages of two major civilizations of the ancient Mediterranean world. Classics is an interdisciplinary field of study which encompasses major disciplines of the liberal arts: languages, history, literature,

and philosophy. Students select from two different major concentration options: either Classical Languages & Literature or Classical Civilization, depending on their interests and goals.

Classics offers a sound liberal arts background that prepares students for any career. Classics majors have held senior positions in government, law, and public service organizations, have founded and headed companies and organizations, and have worked as correspondents and journalists. Recent Temple Classics majors have gone on to law school, veterinary school, graduate school, business and teaching careers.

Classics Majors and Minors are encouraged to study a semester at Temple's Rome Campus.

The organization for majors and minors is Zeta Beta Chapter of Eta Sigma Phi, the National Honorary Society for Classics.

Distinction in Major

Distinction in Major requires a senior thesis and a minimum GPA of 3.5 in Greek, Latin, or Greek and Roman Classics courses.

Classical Languages & Literatures Major Concentration

Department	Course #	Course Name	Hours	RCI
Greek Ancient/Latin	1001	Ancient Greek/Latin I	4	/LA
Greek Ancient/Latin	1002	Ancient Greek/Latin II	4	LA
Greek Ancient/Latin	2001	Ancient Greek/Latin III	3	LB
Greek Ancient/Latin	2002	Ancient Greek/Latin IV	3	
Greek Ancient/Latin	3002	Readings in Greek/Latin Literature II	3	
Greek Ancient/Latin	Electives	Select two courses in Greek Ancient and/or Latin languages. If exempt from beginning Greek Ancient and/or Latin courses through placement, substitute additional electives until a total of seven language courses is completed.	6-8	
One Writing Capstone:			3	
Greek Ancient/Latin	3096	Readings in Greek/Latin Literature I*		WI
<i>Select one from:</i>			3	
G+R CL	3001/3196	Classical Greek & Roman Mythology		/WI
G+R CL	3296	or Comparative Mythology		WI
<i>Select two:</i>			6	
G+R CL	1003-4999	Electives**		
Total			35-37	
*Capstone Course in Major; select Greek Ancient or Latin.				

****May include advanced courses in Greek Ancient and/or Latin. Or, may include related courses in other departments, per departmental approval.**

Classical Civilizations Major Concentration

Department	Course #	Course Name	Hours	RCI
G+R CL	2101	Ancient Greek Civilization	3	
G+R CL	2102	Ancient Roman Civilization	3	
<i>Language Requirement:</i>			7-8	
Greek Ancient/Latin	1001	Ancient Greek/Latin I		
Greek Ancient/Latin	1002	Ancient Greek/Latin II		LA
Note: Greek 1003 (7 s.h.) may be substituted for Greek 1001 and 1002				
Select two Writing-Intensive courses on the Ancient City from the following options:			6	
G+R CL	3596	Ancient City: Periclean Athens		WI
G+R CL	3696	Ancient City: Hellenistic Alexandria		WI
G+R CL	3796	Ancient City: Augustan Rome		WI
G+R CL	3896	Ancient City: Byzantium		WI
G+R CL	3897	Ancient City: Jerusalem		WI
<i>Select one course in the history of the art of the ancient world from the following options:</i>			4	
Art History	2005	Roman Art and Archaeology		WI
Art History	2215	Late Antique/Byzantine Art		
Art History	2129/2196	Greek and Roman Sculpture		/WI
<i>Select four electives, up to 3 may be drawn from this listing of Greek & Roman Classics courses:</i>			9	
G+R CL	1003	Greek Drama & Greek Culture		AR
G+R CL	1004	Ancient City		IS
G+R CL	2001	Slavery in Antiquity		
G+R CL	2002	Gender in Antiquity		
G+R CL	2003	Race in Greece & Rome		RG
G+R CL	3311	Ancient Greek Historians		
G+R CL	3312	Ancient Roman Historians		
G+R CL	3096	Romans and their Literature		WI
G+R CL	3001	Classical Greek & Roman Mythology		
G+R CL	3196	Classical Greek & Roman Mythology - Writing Intensive		WI
G+R CL	3296	Comparative Mythology		WI
G+R CL	3396	Classical Epic		WI
G+R CL	3000	Topics in Classical Culture		
G+R CL	3496	Writing Seminar		WI
Greek/Latin	2001 or higher	Intermediate or Advanced language courses		

<i>Note: The fourth elective must be taken in a related department, with consultation of your academic advisor. This elective may come from History, Art History, Religion or Philosophy.</i>			3-4	
Total			35-37	

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed above and are identified by "WI" in the RCI column.

Requirements for the Minor in Classical Languages and Literature

Department	Course #	Course Name	Hours	RCI
Greek Ancient/Latin	1001-2002	Ancient Greek/Latin IV or proficiency	0-14	
G+R CL	3001/3196	Classical Greek & Roman Mythology	3	/WI
G+R CL	3296	<i>or</i> Comparative Mythology		WI
G+R CL	Electives	Four additional courses (see note below)	12	
Total			15-29	

Note: Minimum of two of these courses must be above the 2000-level. Courses must fall under the following categories: a.) Advanced courses in Greek Ancient and/or Latin; b.) Courses in Classical Culture; c.) Courses on aspects of the ancient Greek and Roman world offered in other Temple departments such as Art History, History, Religion, and Philosophy, and approved by the department advisor.

Requirements for the Minor in Ancient Mediterranean Studies

Department	Course #	Course Name	Hours	RCI
Greek Ancient/Latin	1001-1002	Ancient Greek/Latin II or proficiency	0-8	LA
<i>Select one of the following:</i>			3	
G+R CL	3001/3196	Classical Greek & Roman Mythology		/WI
	3296	Comparative Mythology		WI
	3396	Classical Epic		WI
<i>Select two courses*:</i>			6	
G+R CL	3596	Ancient City: Periclean Athens		WI
	3696	Ancient City: Hellenistic Alexandria		WI
	3002/3796	Ancient City: Augustan Rome		/WI
	3003/3896	Ancient City: Byzantium		/WI
	3897	Ancient City: Jerusalem		WI
G+R CL	Elective	One additional course at or above 2000^	3	
Total			12-20	
Study Abroad				

*Cycle of five cities offered: Jerusalem, Augustan Rome, Byzantium, Periclean Athens, Hellenistic Alexandria.

^Courses can be from this department or from another department such as: Anthropology, Art History, Religion, History, or Philosophy, as approved by Greek & Roman Classics department advisors.

Criminal Justice

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The mission of the undergraduate program in Criminal Justice is to foster a comprehensive understanding of the nature of crime, criminals, and criminal law; the goals, organizations, occupations, and rules that make up the criminal justice system; and the methods of learning that are utilized by scholars of crime and criminal justice. The Bachelor of Arts program enables students to learn how different academic disciplines approach the study of crime and criminal justice and to understand the kinds of questions and problems that shape developments in research, practice, and reform.

Requirements for the Major

Department	Course #	Course Name	Hours	RCI
Criminal Justice	1001	Introduction to Criminal Justice	3	IN
Criminal Justice	2401	Nature of Crime	3	
Criminal Justice	2696	Planned Change in Criminal Justice	3	WI*
Criminal Justice	2501	Introduction to Criminal Law	3	
Criminal Justice	2601	Introduction to Criminal Justice Research	3	
Criminal Justice	2602	Criminal Justice Research and Analysis	3	QB
Criminal Justice		Writing Intensive course	3	WI
Criminal Justice	electives	Seven Upper-Level Criminal Justice Electives (2000-level or higher)	21	

Total credits required for the major in Criminal Justice			42	
*Indicates Writing Capstone for the major.				
The Department of Criminal Justice offers internship experience (CJ 4077 and CJ 4087). These courses are optional, with CJ 4077 counting as an elective in the major, and the CJ 4087 (3 credits for 10 hours/week, 6 credits for 20 hours/week, or 9 credits for 30 hours/week) counting as credits toward graduation (not as electives in the major).				

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed above and are identified by "WI" in the RCI column.

Distinction in Major

Criminal Justice majors may graduate with distinction in the major if they have earned a GPA of 3.5 in the major and a cumulative GPA of at least 3.25.

Requirements of Minor

Department	Course #	Course Name	Hours	RCI
Criminal Justice	1001	Introduction to Criminal Justice	3	IN
Criminal Justice	2401	Nature of Crime	3	
Criminal Justice	2696	Planned Change in Criminal Justice	3	WI
Criminal Justice	2501	Introduction to Criminal Law	3	
Criminal Justice		Any three Criminal Justice courses above the 2000 level	9	
Criminal Justice		Any seminar (4000 level) course	3	
Total credits required for the minor in Criminal Justice			24	

Critical Languages

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[Certificate of Specialization in Arabic](#)
[Certificate of Specialization in Chinese](#)
[Major in Hebrew](#)
[Minor in Hebrew](#)
[Certificate of Specialization in Japanese](#)
[Minor in Japanese](#)

Critical Languages offers courses in Arabic, Chinese, Hebrew, Hindi, Japanese, Korean, Modern Greek, and Vietnamese. Students enroll in these courses for a variety of reasons, which include career goals, personal interest, preparation for study abroad, and the desire to fulfill certain university and college program requirements.

In addition, Critical Languages offers courses taught in English.

For East Asia, Critical Languages courses in Chinese and Japanese literature and in Japanese film and popular culture—all given in translation—invite students from any major to develop familiarity with Chinese and Japanese culture.

For the Middle East, Critical Languages offers courses in Israeli literature as well as Hebrew literature from the Diaspora. Thematically, these courses explore contemporary Israel and its relations to its region and the world as well as the Jewish historical experience and the cultural heritage. These courses invite students from any major to develop familiarity with Hebrew literature and its culture.

Within Critical Languages, students can earn a Major in Hebrew, a Minor in Hebrew, a Minor in Japanese, a Certificate of Specialization in Arabic, a Certificate of Specialization in Chinese, and a Certificate of Specialization in Japanese. Critical Languages courses also count toward many of the requirements and electives of the Asian Studies major and minor. Students are encouraged to study Japanese language and culture at Temple University in Japan. Contact the Office of International Programs for more information.

Certificate of Specialization in Arabic

A Certificate of Specialization in Arabic focuses on learning language skills and developing a strong foundation for the effective use of Arabic socially and professionally. This program should be of particular interest to students considering careers in international business, government service, or other professions where foreign language proficiency is important. This program has two tracks: one for undergraduate students who enter Temple University with little or no previous background in Arabic; and one for students who enter Temple University with a previous background in Arabic. The curriculum consists of six developmentally-sequenced semesters of instruction in Arabic. Students with no background in Arabic will begin the six-course sequence with Arabic 1001. Students who enter the program with a placement above Arabic 1001 will need to complete the six-course requirement by taking either or both Arabic 4183 and 4283. A grade of C- or higher must be earned in all required courses to qualify for the certificate.

Department	Course #	Course Name	Hours	RCI
Arabic	1001*	Arabic Elements I	4	LC
Arabic	1002*	Arabic Elements II	4	LC
Arabic	2001	Arabic Intermediate I	3	LC
Arabic	2002	Arabic Intermediate II	3	
Arabic	3001	Arabic Advanced I	3	

Arabic	3002	Arabic Advanced II	3	
Total			18-20	

*Students who place above Arabic 1001 will need to complete the six-course requirement by taking either or both Arabic 4183 and 4283.

Certificate of Specialization in Chinese

A certificate of specialization in Chinese focuses on learning language skills and developing a strong foundation for the effective use of Chinese socially and professionally. This program should be of particular interest to students considering careers in international business, government service, or other professions where foreign language proficiency is important. This program also contributes to meeting the diverse language needs of students with personal or academic interests in China and its culture. A grade of C- or higher must be earned in all required courses.

Department	Course #	Course Name	Hours	RCI
Chinese	1001	Chinese Elements I	4	
Chinese	1002	Chinese Elements II	4	LC
Chinese	2001	Chinese Intermediate I	3	LC
Chinese	2002	Chinese Intermediate II	3	
Chinese	3001	Chinese Advanced I	3	
Chinese	3002	Chinese Advanced II	3	
Total			20	

Hebrew Division

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Requirements for the Major - Hebrew

- Prerequisite: Successful completion of Hebrew 1001 or equivalent placement.

Department	Course #	Course Name	Hours	RCI
Hebrew	1002	Elements II	4	LA
Hebrew	2001	Intermediate I	3	LB
Hebrew	2002	Intermediate II	3	
Hebrew	3098	Readings I (Capstone)	3	WI
Hebrew	Electives	Four Hebrew courses at the 3000/4000 level	12	
Hebrew	Elective	One writing-intensive elective at the 3000/4000 level	3	WI

Hebrew	Elective	One Bible course at the 4000 level	3	
Total			31	

At least one elective must be writing-intensive, ending in -96, -97, or -98. A total of two writing-intensive Hebrew courses, one of which must be the capstone course, are required for the major.

Year Abroad

Students declaring concentration in the Division of Hebrew are encouraged to spend one year in one of the universities of Israel.

Requirements for the Minor - Hebrew

Department	Course #	Course Name	Hours	RCI
<i>Select two introductory courses:</i>			6-8	
Hebrew	1001 & 1002	Elements I & II		LA
		or		
Hebrew	2001 & 2002	Intermediate I & II		LB/
Advanced students will take two electives instead of the above courses.				
<i>Two courses from the following:</i>			6	
G+R CL	1068	Israel in the Middle East		IS
Hebrew/J ST	3797	Literature & Art of the Holocaust		WI
Hebrew	Electives	Any two Hebrew courses above 2000-level	6	
Total			18-20	

Minor in Japanese

The Minor in Japanese emphasizes language study while also recognizing the importance of learning about Japan through work in fields such as literature, history, anthropology, religion, and geography and urban studies. A grade of C- or higher must be earned in all courses for the minor.

Students who place out of 2002 will need one additional elective; those who place out of 3001 will need two additional electives; those who place out of 3002 will need three additional electives.

Department	Course #	Course Name	Hours	RCI
Japanese	2002	Japanese Intermediate II	3	
Japanese	3001	Japanese Advanced I	3	
Japanese	3002	Japanese Advanced II	3	
<i>Select one course from the following list:</i>			3	
Japanese	2096 or 2996	Japanese Popular Culture & Literature		WI

Asian Studies	2098	Japanese Popular Culture & Literature		WI
Japanese/Asian Studies	2021	Japanese Literature in Film		
Japanese/Asian Studies	2011	Survey of Japanese Literature: Pre-Modern		
Japanese/Asian Studies	2012	Survey of Japanese Literature: Modern		
<i>Select any two CLA courses that focus exclusively on Japan</i>			6	
Total			18	

Certificate of Specialization in Japanese

A Certificate of Specialization in Japanese focuses on learning language skills and developing a strong foundation for the effective use of Japanese socially and professionally. This program should be of particular interest to students considering careers in international business, government service, or other professions where foreign language proficiency is important. This program also contributes to meeting the diverse language needs of students with personal or academic interests in Japan and its culture. A grade of C- or higher must be earned in all required courses.

Department	Course #	Course Name	Hours	RCI
Japanese	1001	Japanese Elements I	4	LC
Japanese	1002	Japanese Elements II	4	LC
Japanese	2001	Japanese Intermediate I	3	LC
Japanese	2002	Japanese Intermediate II	3	
Japanese	3001	Japanese Advanced I	3	
Japanese	3002	Japanese Advanced II	3	
Total			20	

Economics

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The major in economics exposes a student to the economist's way of thinking about social problems and behavior. The major helps a student understand the economic aspect of current events and public policy and is good preparation for careers in law and business. The student honorary fraternity is Omicron Delta Epsilon. Along with the more general student organization, The Economics Society, it provides opportunities for students to network with other students and

with practicing economists in learning more about economics and finding internships and employment opportunities. There is also a Cooperative Education option. Through this program, students may earn income while gaining valuable work experience which can enhance their job market prospects upon graduation. By completing an academic research project under the guidance of a faculty member, Co-op students may earn credit for Economics 3581.

B.A. Major Requirements

Department	Course #	Course Name	Hours	RCI
Economics	1101/1901	Macroeconomic Principles/Honors Macroeconomic Principles*	3	IN
Economics	1102/1902	Microeconomic Principles/Honors Microeconomics Principles*	3	IN
Statistics	2101	Statistical Methods & Concepts	3	QB
Statistics	2102	Selected Statistical Applications	3	
Economics	3501	Intermediate Microeconomic Analysis	3	
Economics	3502	Intermediate Macroeconomic Analysis	3	
Economics	3598	Economics Writing Seminar (Capstone)	3	WI
<i>One writing-intensive elective in Economics (select from list below):</i>			3	
Economics	3596	Energy, Ecology, & Economy		WI
		or		
Economics	3597	Health Economics		WI
Economics	3000+	Three electives in economics at the 3000-level or above.	9	
Two additional electives	2000+	Courses in economics at the 3000+ level or courses in the College of Liberal Arts at the 2000+ level related to the student's program in economics.**	6	
Total			39	
* This course is a prerequisite for most the Economics 2000-3900 courses. Check specific course descriptions for details.				
** These are to be chosen in consultation with an advisor. Students preparing for graduate study in economics or in an economics-related area are strongly encouraged to take Economics 3504: <i>Mathematical Economics</i> , Economics 3503: <i>Introduction to Econometrics</i> , and courses in calculus and linear algebra in the Mathematics department.				

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed above and are identified by "WI" in the RCI column.

Minor Requirements

(For Liberal Arts and all other colleges allowing a minor in Economics)

Department	Course #	Course Name	Hours	RCI
Economics	1101/1901	Macroeconomic Principles/Honors Macroeconomic Principles	3	IN
Economics	1102/1902	Microeconomic Principles/Honors Microeconomic Principles	3	IN

Economics	3501	Intermediate Microeconomic Analysis	3	
	3502	or Intermediate Macroeconomic Analysis		
Economics	3000+	Three electives in economics at the 3000-level or above. If both 3501 and 3502 are taken, one counts as one of these electives.	9	
Total			18	

Mathematical Economics

In cooperation with the Department of Mathematics, the Department of Economics offers a special concentration leading to a B.A. degree in Mathematical Economics. The program and its requirements are described in full in the [Intercollegial Programs](#) section of this *Bulletin*.

Certificate in Political Economy

The Certificate of Specialization in Political Economy is a joint program of the Departments of Economics and Political Science. The purpose of the political economy program is to provide undergraduate students with the opportunity to study more intensely the relationship between the political and economic spheres of society. The program is based on the belief that a focused examination of this relationship provides better understanding of several social phenomena. Chief among these is a better understanding of public policy choices and the policymaking process, as well as a better understanding of how government actions affect the process of economic change and vice versa. The Political Economy program is open to all matriculated undergraduate students. Applicants need not be declared majors in either economics or political science. The political economy program provides an excellent preparation for graduate study in the social sciences and for the study of law. The program and its requirements are described in full in the [Intercollegial Programs](#) section of this *Bulletin*.

Management Career Certificate

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This certificate program is designed for students who intend to seek employment in the business or nonprofit sectors of the economy. It is designed to provide students with skills that complement those acquired through a traditional liberal arts education and to make the students more appealing to potential employers.

Requirements for the Management Career Certificate

Department	Course #	Course Name	Hours	RCI
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Economics	1001	Introduction to the Economy <i>or</i>	3	IN
	1102/1902	Microeconomic Principles/Honors Microeconomic Principles		IN
Accounting	2101	Financial Accounting*	3	
Human Resource Management	1101	Organization & Management	3	
Psychology	2402	Industrial & Organizational Psychology <i>or</i>	3	
Marketing	2101	Marketing Management		
Statistics		One course selected in consultation with the certificate advisor.	3	
Approved Elective - Select one:			3-4	
Accounting	2102	Managerial Accounting **		
Economics	1101	Macroeconomic Principles		IN
Economics	3536	Economics of American Industry		
Economics	3541	The Economics of Sports		
Marketing	2101	Marketing Management		
Human Resource Management	2501	Introduction to Human Resource Management		
Computer & Information Sciences	1055	Computers & Applications		SB
Geography & Urban Studies	2031	Economic Geography		
Political Science	2321	Politics of the Global Economy		
Political Science	3155	Business & Public Policy		
Psychology	2402	Industrial & Organizational Psychology		
Sociology	3596	Sociology of Organizations		WI
Total			18-19	
* Students may not double count either Marketing 2101 or Psychology 2402 within this certificate program.				
** An alternative elective or an internship or practicum may be approved to substitute for the elective. Please see the certificate advisor prior to registration for written approval.				

English

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The English major helps students develop as readers of interesting, complex texts, including literary texts. Majors read writing from a variety of historical contexts and cultures; this experience builds their understanding of the relation between society and language. English majors become critical and reflective readers, aware of the history and development of writing in English. They are also good, inventive writers who are able to analyze problems, do careful and inventive research, argue and evaluate the arguments of others.

The English major is good preparation for a career in writing or editing—of stories, speeches, legal documents, advertising, research projects, poems, grant proposals, essays, or letters. English majors also find careers in publishing and journalism, public relations, business, industry, management, marketing, social services, and government. English is a strong pre-professional major for law, medicine, library science, and teaching.

The English department has a distinguished faculty of nationally-known critics, writers, and scholars who will teach you, usually in small classes. You will choose from a range of exciting courses (about 40 English courses each semester) and from interdisciplinary programs such as the Five-year Program in English and Education, Temple's special minor in Business, or a double major in English and any other department throughout the university. Internships are offered with area institutions such as the Temple Press, the University of Pennsylvania Press, the Urban League, WHYY public radio, *Philadelphia Magazine*, United Way, the Red Cross, Bread and Roses, J. B. Lippincott Publishers, First Union Bank, and the Academy of Natural Sciences. The department offers community-based projects, such as the New City Press and our Institute for the Study of Literature, Literacy, and Culture. There is an active program of readings by resident and visiting writers and artists. Students are active in writing and producing literary magazines: *Hyphen* is published on the main campus, and *The Parable* at Ambler.

REQUIREMENTS FOR THE MAJOR

Department	Course #	Course Name	Hours	RCI
English	2097	Introduction to English Studies	3	WI
English	2201	Survey of English Literature: Beginnings to 1660	3	

English	2202	Survey of English Literature: 1660-1900	3	
English	2301	Survey of American Literature I	3	
English	2302	Survey of American Literature II	3	
English	2000+ level courses	Three English Electives	9	
English	3000+ level courses	Three English Electives	9	
English	4000- level courses	One Senior Capstone Course	3	WI*
Total			36	
*Indicates writing capstone for the major				

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed above and are identified by "WI" in the RCI column.

Distinction in Major

Students need at least a 3.65 GPA in their English courses to earn distinction in major.

REQUIREMENTS FOR THE MINOR

Department	Course #	Course Name	Hours	RCI
<i>Select two Literature Surveys from:</i>			6	
English	2201	Survey of English Literature: Beginnings to 1660		
English	2202	Survey of English Literature: 1660-1900		
English	2301	Survey of American Literature I		
English	2302	Survey of American Literature II		
<i>Select four Electives in English</i> , no more than two of which are in writing (creative, technical, or business):				
English		2000- and 3000-level electives	12	
Total			18	

WRITING CERTIFICATE

Department	Course #	Course Name	Hours	RCI
<i>Select a total of five courses in Writing. At least one from each area listed below, no more than three in any single area. All of the courses must average a grade of B or higher.</i>				
Advanced Expository and Professional Writing Electives			3-9	
English	2496	Introduction to Non Fiction		WI
English	2596	Writing for Business and Industry		WI
English	2696	Technical Writing		WI
English	2796	Writing the Research Essay		WI

English	3085	Career Internship		
Creative Writing			3-9	
English	2196	Creative Writing: Poetry		WI
English	2296	Creative Writing: Fiction		WI
English	2396	Creative Writing: Plays		WI
English	3196	Advanced Creative Writing: Poetry		WI
English	3296	Advanced Creative Writing: Fiction		WI
English	3396	Advanced Creative Writing: Plays		WI
English	3813	Writers at Work		
Writing Theory			3-9	
English	2897	Literacy and Society		WI
English	2898	Texts/Cultures of Science		WI
English	3811	Theories of Language and Literacy		
English	3821	Linguistics and Grammar		
English	3822	Semantics		
English	3823	History of the English Language		
English	4196	Studies in Language and Literacy		WI
Total			15	

Environmental Studies

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Students will be equipped with the scholarly background and intellectual skills to understand a wide range of pressing environmental issues, and they will come to appreciate the physical, economic, political, demographic, and ethical factors that define those issues. Among the many environmental problems central to our program are groundwater contamination, suburban sprawl, river basin management, environmental justice, and the greening of abandoned urban spaces. Our graduates find employment with government environmental agencies, citizens' organizations, consulting firms, and corporate environmental affairs departments.

The College of Liberal Arts offers a B.A. and a minor in Environmental Studies, while the College of Science and Technology offers a B.S. in Environmental Science and a minor in Environmental Studies.

Requirements for the B.A.

Prerequisite and Fundamental courses:				
Department	Course #	Course Name	Hours	RCI
EES	2001	Physical Geology	4	
Economics	1101	Macroeconomic Principles	3	IN
Economics	1102	Microeconomic Principles	3	IN
Math/STAT		to be determined	3	
Subtotal			13	
Major courses:				
Department	Course #	Course Name	Hours	RCI
EVNR ST/GUS	1051 or 1951	Environment & Society	3	IN
EVNR ST/GUS	1052	Introduction to the Physical Environment	4	SB
Biology	1011	General Biology I (with lab)	4	SA
Biology	1012	General Biology II (with lab)	4	SB
GUS	3062	Fundamentals of Geographic Information Systems	3	
Math <i>or</i> Statistics <i>or</i> Math	1013 <i>or</i> 2101 <i>or</i> 2031	Elements of Statistics (prereq. Math 1011) <i>or</i> Statistical Methods & Concepts (prereq. Math 1031 or 1041 or STAT 1001) <i>or</i> Probability & Statistics (prereq. Math 1031 or two semesters of calculus)	3 3 3	QB QB
Economics	3596	Energy, Ecology & Economy (prereq. ECON 1102)	3	WI
EVNR ST	4198	Senior Research Seminar	3	WI
Subtotal			27	
Electives		Choose 4 courses from the list of approved electives. One must be a policy course and one must be from the natural sciences.	12	
Subtotal			12	
Total			52	

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed above and are identified by "WI" in the RCI column.

Requirements for the Minor

Department	Course #	Course Name	Hours	RCI
EVNR ST/GUS	1051 or 1951	Environment & Society	3	
One of the following (plus any required prerequisites):			3-4	

Biology	2227	Principles of Ecology <i>or</i>		
EES	3021	Introduction to Hydrology <i>or</i>		
EVRN ST/GUS	3062	Fundamentals of Geographic Information Systems <i>or</i>		
Economics	3596	Energy, Ecology & Economy		
Policy Elective		Select one policy course from the list of approved electives.	3	
Environmental Studies Electives		Select three topics courses from the list of approved electives.	9	
Total			18-19	

Environmental Studies Electives List

Note: Upper-level Science and Liberal Arts courses from this list can be used to satisfy the CLA/CST 45 credit upper-level distribution requirement. Please consult with an advisor.

*NS - Indicates that the course counts as a Natural Science course in fulfillment of B.A. requirements.

*SSH - Indicates that the course counts as a Social Science/Humanities course in fulfillment of requirements for the B.S.

Department	Course #	Course Name	Hours	*NS/SSH
Policy				
C+R PLN	2014	Planning Policy and Law	3	SSH
EVRN ST/ANTHRO	3175	Heritage Management in Archaeology	3	SSH
Economics	3512	Public Finance	3	SSH
Economics	3513	Economics of State & Local Government	3	SSH
ENVT	4761	Environmental Regulations	3	SSH
EVRN ST	3025	Environmental Law and Regulation	3	SSH
EVRN ST/GUS	3051	Environmental Policy Issues	3	SSH
EVRN ST/POL SCI	3152	U.S. Environmental Policy	3	SSH
EVRN ST/POL SCI	3265	International Environmental Policy	3	SSH
Topics				
EVRN ST/ANTHRO	3170	Methods in Archaeology	3	NS
EVRN ST/ANTHRO	3189	Field Session in Archaeology	3	NS
EVRN ST/ANTHRO	4117	Seminar in Environmental Archaeology	3	SSH
EVRN ST/ANTHRO	4796	Biocultural Adaptations in Human Populations	3	SSH
EVRN ST/ANTHRO	4896	Environmental Physiology	3	NS

Biology	2227	Principles of Ecology	4	NS
Biology	2238	Marine Environments	3	NS
Biology	3196	Experimental Marine Biology	4	NS
Biology	3245	Marine Ecology	4	NS
Biology	3316	Tropical Marine Biology	4	NS
Biology	3336	Freshwater Ecology	4	NS
Botany	1112	Plant Ecology	3	NS
C+R PLN	1027	History and Practice of Community and Regional Planning	3	SSH
C+R PLN	2114	Urban Form and Design	3	SSH
C+R PLN	2213	Environmental Planning	3	SSH
C+R PLN	2524	Fundamentals of Geographic Information Systems	3	
C+R PLN	3256	Sustainable Community Design and Development	3	SSH
EVRN ST	3000	Special Topics in Environmental Studies	3	
EVRN ST	4082	Independent Study - Environmental Studies	1-3	
EVRN ST	4085	Internship - Environmental Studies	3	
EVRN ST/GUS	2051	The Urban Environment	3	SSH
EVRN ST/GUS	3052	Environmental Problems in Asia	3	SSH
EVRN ST/GUS	3054	Energy, Resources, and Conservation	3	SSH
EVRN ST/GUS	3062	Fundamentals of Geographic Information Systems	3	
EVRN ST/GUS	3097	Environment and Development	3	SSH
EVRN ST/GUS	4015	The Geographic Basis of Land Use Planning	3	SSH
EVRN ST/GUS	4051	Hazards Geography	3	SSH
EVRN ST/GUS	4056	Political Ecology	3	SSH
EVRN ST/GUS	4071	Medical Geography	3	SSH
EVRN ST/GUS	4096	Problems of Environmental Quality	3	SSH
EES	2015	Climate Change: Oceans to Atmosphere	4	NS
EES	2021	Facies Models	4	NS
EES	2061	Introduction to Geochemistry	4	NS
EES	3011	Remote Sensing & GIS	4	NS
EES	3021	Introduction to Hydrology	4	NS
EES	4197/4997	Environmental Seminar	3	SSH
EVRN ST/History	3214	North American Environmental History	3	SSH
EVRN ST/History	4297	Social History of American Medicine	3	SSH
Horticulture	2114	Soils	3	NS
Horticulture	2334/2353	Food Crops I/II	3	
Horticulture	3514	Landscape Restoration	3	
Journalism	3253	Environmental Reporting	3	
LAN ARC	2144	Landscape Architecture Design Studio II	6	
LAN ARC	2758	Summer Field Ecology	3	NS
EVRN ST/PHILOS	2157	Environmental Ethics	3	SSH
EVRN ST/PHILOS	2596	Philosophical Perspectives on the Environment	3	SSH

EVNR ST/REL	3001	Earth Ethics	3	SSH
Public Health	2102	Environmental Health	3	SSH
EVNR ST/SOC	3511	Sociology of the Environment	3	SSH

French

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The French major helps students develop skills in reading, writing and oral communication while providing them with a rich understanding of the literature, cinema, history, and traditions of one of more Francophone cultures. In all classes, students focus on communication and communities, comparisons and connection, and culture. As they improve their linguistic skills and study various forms of cultural production from other nations, French majors also strengthen their ability to analyze and interpret in a way that contributes to their education above and beyond courses they take for the major. Through study at Temple, often enhanced by study abroad, French majors gain insight into their own identities and assumptions in relation to others. Majors complete the program with an ability to communicate, a grounding in literary tradition, and an awareness of cultural differences that has become increasingly important in the contemporary world.

The French major is a good preparation for a career that requires analytical thinking and communication skills in general, which includes the domains of education, business, government service, travel, and tourism. It is a good major or a second major for students planning to attend law or medical school. Studies have shown that learning a foreign language helps raise scores on the LSAT, GRE, and MCAT exams. This course of study also proves valuable to anyone who plans to work for a multinational corporation.

The French courses are often small, allowing students to get to know each other and their professors well. The program helps prepare students enrolled in the School of Education for careers teaching French and provides the opportunity to students enrolled in the Fox School of Business to acquire a certificate in French with a special course on French in the business world. Outside of class, students can share conversation and activities with an on-campus group for French speakers and gather at occasional film screenings and other events. Finally, those who are

interested in publishing can help edit Temple's annual literary magazine for world languages, *In Other Words*.

Requirements for the Major

- Prerequisites: French 1001, French 1002, and French 1003 with a minimum grade of C or equivalent placement.
- Course levels are incremental in skills and content. Courses must be taken sequentially or in some instances may be taken concurrently. Students who initially place beyond French 1003 may begin with French 2001 or a course beyond 2001, as appropriate.
- All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

Department	Course #	Course Name	Hours	RCI
French	2001	Intermediate	3	
French	2041	Reading I	3	
French	2096	Composition I	3	WI
French	3096	Composition II	3	WI
French	3101	Survey of French Lit I	3	
French	3102	Survey of French Lit II	3	
French	4000-level	Select three courses	9	
Select at least one elective numbered 2002 to 4999			3	
Total			30	

Distinction in Major

To be considered for Distinction in Major, students must:

- (1) Complete the requirements for the concentration in French with a GPA of at least 3.50;
- (2) Be recommended to the chair of the department by the French faculty advisor after consultation with the French faculty;
- (3) Have an overall GPA of at least 3.25.

Requirements for the Minor

- Prerequisites: French 1001 with a minimum grade of C or equivalent placement.

Department	Course #	Course Name	Hours	RCI
French	1002	Introduction to French II	4	LA
French	1003	Introduction to French III	3	LB
French	2001	Intermediate	3	
Select a minimum of two courses from:			6	

French	2021	Conversation I		
French	2041	Reading I		
French	2096	Composition I		WI
French	2501	French for Business I		
<i>Select a minimum of one course from:</i>			3	
French	3001	Advanced Grammar		
French	3021	Conversation II		
French	3096	Composition II		
French	3101	Survey of French Lit I		WI
French	3102	Survey of French Lit II		
French	3201	Culture & Civilization I		
Total			19	

Requirements for the Special Foreign Language Certificate in French

Six courses (18-20 semester hours) beginning with French 1001, including French 2501 (*French for Business I*) and an upper-level course (beyond French 2001).

Department	Course #	Course Name	Hours	RCI
French	1001	Introduction to French I	4	LA
French	1002	Introduction to French II	4	LA
French	1003	Introduction to French III	3	LB
French	2001	Intermediate	3	
French	2501	French for Business I	3	
<i>Select one course from:</i>			3	
French	2021	Conversation I		
French	2041	Reading I		
French	2096	Composition I		WI
Total			20	

Study Abroad

Students declaring a major in the department are encouraged to study abroad. Temple University has a summer program at the Sorbonne in Paris. Credits earned through the Temple Sorbonne Program may be used toward the French major, minor, certificate and in partial satisfaction of the International Studies requirement.

Geography & Urban Studies

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The Department of Geography and Urban Studies combines the discipline of geography and the field of urban studies to offer a major that allows students to examine a range of approaches to key topics in the social sciences. Students choose from introductory courses and supplement them with a variety of intermediate and upper-level electives.

Students may choose courses that focus either on geography or urban studies or combine the two. Students examine the growth and development of cities and regions, environment and society, spatial analysis and industrial location, and the major distributions of physical and natural phenomena across the globe. Students may also choose to explore the social, political, economic, and historic aspects of urban life, including international comparisons of urban society and the policies that governments have devised to address urban problems. We encourage students to combine spatial and urban courses as well as take advantage of offerings in cartography and geographic information systems (GIS). We encourage students to study abroad for one semester as a critical part of their undergraduate education. Each student's program is developed with the departmental advisor to suit individual interests and is designed to maximize educational and career opportunities. Upon graduation, alumni successfully pursue graduate studies in a range of fields, or find work in nonprofit (domestic and international), planning or government agencies.

Requirements for the Major

Department	Course #	Course Name	Hours	RCI
<i>Select one of the following courses that focuses on Geography:</i>			3	
GUS	1051	Environment & Society		IN
		<i>or</i>		
GUS	1031	Geography of World Affairs		IS
		<i>or</i>		
GUS	0866*	World Affairs		GG
<i>Select one of the following courses with an Urban Studies focus:</i>			3	

GUS	1021	Urban Society: Race, Class & Community		RN
		<i>or</i>		
GUS	1025	World Urban Patterns		IS
		<i>or</i>		
GUS	0861*	Urban Dynamics		GU
<i>Select one statistics course:</i>			3-4	QB/GQ
Sociology	3201	Statistical Methods in Sociology		QB
		<i>or</i>		
Math	1013	Elements of Statistics		QB
		<i>or</i>		
Psychology	1167	Foundations in Statistical Methods		QB
		<i>or</i>		
Sociology	1167	Social Statistics		QB
		<i>or</i>		
Sociology	0825*	Quantitative Methods in the Social Sciences		GQ
		<i>or</i>		
Sociology		Another appropriate statistics course with written approval of the faculty advisor		
<i>Select two of the following seven Intermediate courses:</i>			6	
GUS	2014	Urban Geography		
GUS	2031	Economic Geography		
GUS	2032	Urban Systems in a Global Economy		
GUS	2051	Urban Environment		
GUS	3061	Fundamentals of Cartography		
GUS	3062	Fundamentals of Geographic Information Systems		
GUS	3097	Environment & Development		WI
<i>Complete the two-course Advanced Sequence:</i>			6	
GUS	4197	Research Methods in Geography & Urban Studies		WI
GUS	4198	Senior Seminar/Capstone		WI
GUS	Electives	<i>Select five electives</i> , at least four of which must be 2000+ level.	15	
Total			36-37	
* For students who are completing the General Education Program, no more than two courses at the 0800-level may be used to complete major requirements.				

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed above and are identified by "WI" in the RCI column.

Distinction in the Major

Geography and Urban Studies students can graduate with distinction if they fulfill the following requirements: a GPA of 3.5 in the major and overall 3.5 GPA, enrollment in at least one graduate (or undergraduate course cross-listed with a graduate course), the completion of an honors paper under the supervision of a faculty member, and the presentation of a paper in a public forum. Students who think that they may qualify for distinction should contact the undergraduate advisor by their junior year.

Requirements for the Minor

Department	Course #	Course Name	Hours	RCI
<i>Select one Introductory course from:</i>			3	
GUS	1051	Environment & Society		IN
		<i>or</i>		
GUS	1031	Geography of World Affairs		IS
		<i>or</i>		
GUS	1021	Urban Society: Race, Class & Community		RN
		<i>or</i>		
GUS	1025	World Urban Patterns		IS
		<i>or</i>		
GUS	0861	Urban Dynamics		GU
		<i>or</i>		
GUS	0866	World Affairs		GG
GUS	Electives	<i>Select five electives, at least four of which must be 2000+ level.*</i>	15	
<i>*One cognate course can substitute for an elective with written permission from the faculty advisor.</i>				
Total			18	

Tracks

The department has identified several informal areas of concentration to assist students in making course selections. These do not constitute formal requirements but rather provide guidelines for developing a personalized curriculum. Students can focus on the following themes:

1. Urban Issues
2. Environmental Problems
3. International Development
4. Geographical Techniques

Gamma Theta Upsilon

We nominate students for membership in the National Honorary Society in Geography on the basis of GPA. Students, who are initiated annually, can submit articles to the GTU journal and apply for national scholarships.

Internships

We encourage students to apply their skills and knowledge in a credit-bearing internship that utilizes their academic training. Assignments at planning, social service and other agencies, as well as firms that specialize in mapping and geographic data analysis, have helped in securing employment opportunities. The internship is complemented by a seminar in which students discuss their experiences. Contact Marilyn Silberfein (pawling@temple.edu) for more details and for information on possible internship sites.

Double Major with the College of Education

Students may elect to earn certification in secondary school social studies by combining a major in Geography and Urban Studies with a major in Social Studies Education. Students may also earn certification through a Geography and Urban Studies major and education minor following the 5-year B.A./M.A. program. For more information on this opportunity, please contact the CLA Academic Advising Center.

Certificates of Specialization in Travel & Tourism

Students may take a series of courses that examine the rapidly-growing fields of tourism and recreation from an urban/geographical perspective. For more information please see the [School of Tourism and Hospitality Management](#).

Certificate of Specialization in the Geography of Tourism

The courses in this certification program examine all the world's culture regions and the linkages among them. Students can elect courses relevant to either domestic or international tourism. Additional courses would then be chosen to help the student acquire a sense of place as well as strategies for learning about new locations.

Certificate in the Geography of Sports, Recreation & Tourism Planning

Students in this program who are interested in urban recreation and sports can take courses related to urban social and policy issues, while those interested in outdoor/rural recreation can take courses on environmental issues. The course on geographical information systems (GIS) is particularly relevant to tourism planning.

German

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Requirements for the Major

- Prerequisites: German 1001, 1002, with a minimum grade of C or equivalent placement.
- Course levels are incremental in skills and content. Courses must be taken sequentially or in some instances may be taken concurrently. Students who initially place beyond German 1003 may begin with German 2001 or at the 2000-level, as appropriate.
- All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

Department	Course #	Course Name	Hours	RCI
German	1003**	Introduction to German III	3	LB
German	2001**	Intermediate German	3	
German	3096	Composition I	3	WI*
German	3201	Culture & Civilization I	3	
German		Writing Intensive Course (number pending)	3	WI
German	Electives	<i>Select five</i> from 2000-, 3000-, and 4000-level courses	15	
Total			30	
* Indicates writing capstone for the major				
**Students who place out of 1003 will need one additional elective; those who place out of 2001 will need two additional electives.				
Note: Up to two upper-level courses outside of the department will count as electives if they relate to the major as approved in writing by the department advisor.				

Distinction in Major

To be considered for Distinction in the German Major, students must:

- (1) Complete the requirements for the concentration in German with a GPA of at least 3.50;
- (2) Have an overall GPA of at least 3.25;
- (3) Be recommended to the chair of the department by the German faculty advisor.

Requirements for the Minor

Prerequisites: German 1001 or equivalent placement with a minimum grade of C.

Department	Course #	Course Name	Hours	RCI
German	1002	Introduction to German II	4	LA
German	1003	Introduction to German III	3	LB
German	2001	Intermediate German	3	

German	3096	Composition I	3	WI*
German	3201	Culture & Civilization I	3	
German	Electives	<i>Select one</i> from 2000-, 3000-, and 4000-level courses	3	
Total			19**	

* Indicates writing capstone

**Students who place out of 1002 will meet the requirement for the minor with 18.

Note: Up to two upper-level courses outside of the department will count as electives if they relate to the major as approved by the department advisor.

Requirements for the Special Foreign Language Certificate in German

Department	Course #	Course Name	Hours	RCI
German	1001	Introduction to German I	4	LA
German	1002	Introduction to German II	4	LA
German	1003	Introduction to German III	3	LB
German	2001	Intermediate German	3	
German	2501	German for Business I	3	
<i>Select one course from:</i>			3	
German	3096	Composition I		WI*
German	3201	Culture & Civilization I		
Total			20	

*Indicates writing capstone for the major.

Study Abroad

Students declaring a major or minor in the department are strongly encouraged to study abroad. Temple University has programs at the universities of Hamburg and Tübingen and Leipzig in Germany. Courses completed in these programs may be credited toward the German major or minor and in partial satisfaction of the International Studies requirement.

Students interested in Study Abroad should discuss their plans with the faculty advisor in German early in their academic program.

History

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The faster our lives change, the more we need to understand our past, reflect on our present, and make decisions for our future. History helps us to understand who we are and where we came from. It provides unique insights and perspectives for our personal and professional pursuits.

The study of history incorporates all people and all societies from the dawn of civilization to the present. As such, students can specialize in certain countries, regions, eras, or other aspects of these areas. The History Department divides its courses between American History, European History, and Comparative, Global, Third World History. Within each division, one can choose history courses in political, diplomatic, social, cultural, economic, gender, and ethnic history. Students should concentrate in one field of history and also be well-versed in the three main divisions.

Temple History graduates have gone into a wide range of careers; business, law, politics, education, historical preservation, and information resources are just a few of the many areas. History arms the student for a maximum amount of flexibility for career choices.

Temple students regularly participate in the intellectual life of the region through their connections to such organizations and institutions as the McNeil Center for Early American Studies, the Balch Institute for Ethnic Studies, the Pennsylvania Historical Society, the Atwater Kent Museum, and the American Philosophical Society.

The Department of History offers an Honors Program for majors with outstanding academic records. Qualified majors are invited to join Phi Alpha Theta, the History honor society; both minors and majors participate in the Undergraduate History Association. Special Programs allow undergraduates to major in History and earn teaching certification, or to major in history and earn a Masters in Education in five years (program administered through the School of Education).

The History Major

The history major consists of a step approach in which 1000-level courses are beginning courses. Courses numbered 2000-2999 are intermediate courses, and courses numbered 3000-4999 are advanced courses.

- The history major requires thirty-six (36) credit hours, of which six (6) can be at any level (0800-4999), six (6) are at the 1000-level, nine (9) are at the 2000-level, nine (9) are at the 3000-level, and six (6) are at the 4000-level.

- Courses are divided into four categories: a) Asian, African, Latin American or Global/Comparative; b) European; c) United States; and d.) Pre-1900. Students must take a minimum of three (3) courses whose predominant content is Asian, African, Latin American or Global/Comparative; two (2) in the United States category; two (2) in the European category; and two (2) in the Pre-1900 category.
- Two writing-intensive courses are required for the major: one of those courses is the capstone course (at the 4000-level, ending in xx96, xx97, or xx98). The other course can be at the 2000-, 3000- or 4000-level and must end in -96, -97, or -98.
- Each major should take four (4) courses that represent an area of concentration based on some geographic or thematic intellectual rationale. The area of concentration should be defined in writing and approved by a departmental advisor, ideally at the start of the junior year and no later than the start of the senior year.
- Majors must take a Capstone Writing Seminar. Refer to the Capstone courses listed in the "Requirements for the Major" grid below.

Requirements for the Major

Minimum of 12 courses in History, distributed as follows*				
Department	Course #	Course Name	Hours	RCI
<i>Select two introductory courses:</i>			6	
History	1000-1099	Introductory Level		
History	1100-1899	Introductory Level		
<i>Select three Intermediate courses:</i>			9	
History	2000-2999	Intermediate		
<i>Select four Intermediate courses (three at 3000-level and one at 4000-level). One elective must be writing-intensive, ending in -96, -97, or -98.</i>				
History	3000-3999	3 courses at 3000-3999 Intermediate level	9	
	4000-4999	1 course at 4000-4999 Intermediate level	3	
<i>Select two electives at any level:</i>			6	
History	0800-4999			
<i>Select one Capstone Writing Seminar:</i>			3	
History	4296	Writing Seminar in American History		WI*
		<i>or</i>		
History	4297	Social History of American Medicine		WI*
		<i>or</i>		
History	4496	Eastern Europe: Nationalism, Authoritarianism, & Communism		WI*
		<i>or</i>		
History	4497	Writing Seminar in European History		WI*
		<i>or</i>		
History	4696	Writing Seminar in Third World History		WI*
		<i>or</i>		
History	4698	Revolutionary Mexico		WI*

		<i>or</i>		
History	4897	Writing Seminar in Contemporary Theory & Practice of History		WI*
Total			36	
* Indicates writing capstone for major				

*** Please note that the courses above also must complete the following distributional requirements: one writing-intensive elective (in addition to the writing-intensive capstone above for a total of two writing-intensive courses in History), two U.S. History courses, two European History courses, three Asian, African, Latin American or Global/Comparative History courses, and two pre-1900 courses.**

Distinction in Major

Students must successfully complete a sequence of History 4034: *Historiography and Research Methods*, and the History Honors Capstone. The end product of the History Honors Capstone is an Honors Senior Thesis to be presented in a public forum. Students must continue to maintain a 3.5 GPA in all history courses and a 3.3 GPA in Temple courses overall.

History Honors Program

Requirements for admission: History majors must have a GPA of 3.5 in at least five history courses, three of which must be 2000-level or above; an overall GPA of at least 3.3; and a writing sample for submission to the Honors Committee. Students may apply for admission by submitting the writing sample and verifying their GPA's to the History Honors Committee or to any member of the History faculty. For more information, contact Professor Harvey Neptune, Director, History Honors Program, nepydoo@temple.edu.

Requirements for the Minor

A History minor is an ideal complement to other majors and programs at Temple, from medicine to journalism, from computer science to finance, from film to marketing. Students with a minor in history are required to take six (6) courses totaling eighteen (18) semester hours. Of the six courses, at least two (2) must be numbered 2000 or above and at least one courses (1) must be numbered 3000 or above.

Department	Course #	Course Name	Hours	RCI
<i>Select two Introductory courses numbered 1000-1999:</i>			6	
History	1000-1999			
<i>Select at least two 2000-level courses:</i>			6	
History	2000-2999	Intermediate History Courses		
<i>Select at least one 3000-level course:</i>			3	
History	3000	Advanced History Courses		
<i>Select one course at any level:</i>			3	

History	1000-4999			
Total			18	

Italian

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Requirements for the Major

Department	Course #	Course Name	Hours	RCI
Italian	1003**	Italian Language III	3	LB
Italian	2001**	Intermediate Italian	3	
<i>Select one writing-intensive elective in Italian:</i>			3	
Italian	2096	Composition I: Italian Composition & Conversation		WI
		<i>or</i>		
Italian	4096	Creative Writing Through Reading		WI
Italian	3096	Composition II: Advanced Writing Skills	3	WI*
Italian	Electives	<i>Select six courses numbered 2000+</i>	18	
Total			30	

*Indicates writing capstone for the major

**Students who place out of Italian 1003 will need one additional elective; those who place out of Italian 2001 will need two additional electives.

Note: Up to two cognate courses in English may be accepted (by permission of the Italian advisor) as part of the required elective courses.

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed above and are identified by "WI" in the RCI column.

Requirements for the Minor

Department	Course #	Course Name	Hours	RCI
Italian	1002 *	Italian Language II	4	LA
Italian	1003 *	Italian Language III	3	LB
Italian	2001	Intermediate Italian	3	
Italian	Electives	<i>Select three courses numbered 2000+</i>	9	
Total			19	

*Students who place out of Italian 1002 will need one additional elective; those who place out of Italian 1003 will need two additional electives.

All courses must be taught in Italian.

Requirements for the Special Foreign Language Certificate in Italian

Six courses (20 semester hours), beginning with Italian 1001: *Italian Language I* and including Italian 2501: *Italian for Business*.

Students who place out of any course will need additional electives.

Department	Course #	Course Name	Hours	RCI
Italian	1001	Italian Language I	4	LA
Italian	1002	Italian Language II	4	LA
Italian	1003	Italian Language III	3	LB
Italian	2001	Intermediate Italian	3	
Italian	2501	Italian for Business	3	
Italian	Elective	<i>Select one course numbered 2000+</i>	3	
Total			20	

All courses must be taught in Italian.

Distinction in Major

To be considered for Distinction in Major in Italian, students must:

- Complete the requirements for the concentration in Italian with a GPA of at least 3.50;
- Have an overall GPA of at least 3.25;
- Be recommended to the Chair of the department by the Italian faculty advisor.

Study Abroad

Students declaring a major or minor in Italian are encouraged to study abroad. Temple has its own campus in Rome, Italy, which offers courses in a variety of fields including language, art, architecture, and international business. Students interested in studying in Italy should discuss their plans with the Italian faculty advisor as early as possible.

Jewish Studies

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Jewish Studies is an interdisciplinary field that allows students to sample courses across the liberal arts curriculum at Temple University. Central to Jewish Studies is an examination of the history, culture, beliefs, customs, practices, texts, and languages of the Jewish people. It addresses the legacy of over 2,000 years of Jewish life as it has been lived in Jewish communities across the globe. At Temple we pay particular attention to contemporary issues of Jewish culture, identity, and practice. Students can either major or minor or can now do a certificate program in Jewish Secular Studies, a five-course mini-minor.

Requirements for the Major

Department	Course #	Course Name	Hours	RCI
Language Requirement				
Hebrew	2001	Intermediate 1	3	LB
Hebrew	2002	Intermediate 2 <i>or</i> Equivalent approved by a faculty advisor	3	
*Jewish Studies	2000-2999	One Course at the 2000 level	3	
Two Jewish Religion courses from the following list:			6	
Jewish Studies/Religion	3404	Dead Sea Scrolls		
Religion	3405	Judaism & Literature		
Jewish Studies	3406	Women in Judaism		
Jewish Studies/Religion	3407	Jews, America, & Sports		
Jewish Studies/Religion	3411	Philosophies of Judaism		
Political Science	3411	Classical Political Philosophy		
Jewish Studies/Religion	4406	Between Torah & Talmud		
*Two Jewish History courses from the following list:			6	

Jewish Studies/History	2705	Anti-Semitism/Holocaust/Racism		RS
Jewish Studies	2706	Survey of Jewish History		
History	2706	Jewish Diaspora		
Jewish Studies/History	3221	Jewish Experience in America		
Religion	3401	Modern Trends in Judaism		
Jewish Studies	3406	Women in Judaism		
Jewish Studies	3571	Israel & the Arabs		
History	3571	Israel: History, Politics & Society		
Jewish Studies	3408	Israel in the Middle East		
Jewish Studies/Religion	4406	Between Torah & Talmud		
Jewish Studies	4896	Modern Jewish History		WI
History	4896	Jews, Judaism & the Modern World		WI
*One course in Hebrew language, literature, or culture from the following list:			3	
Jewish Studies/Hebrew	2797	Jewish Humor Past & Present		WI
Jewish Studies/Hebrew	2779	Love Themes in Hebrew Literature		
Religion	3405	Judaism & Literature		
Jewish Studies	3406	Women in Judaism		
Jewish Studies/Religion	3407	Jews, America, Sports		
Jewish Studies	3408	Israel in the Middle East		
Jewish Studies/Hebrew	3711	Israelis & Palestinians		
Jewish Studies	3250	Topics: Jews & Film		
Jewish Studies/Religion	3411	Philosophies of Judaism		
Political Science	3411	Classical Political Philosophy		
Hebrew	2003+	All Hebrew language courses above 2002		
Jewish Studies/Hebrew	3797	Literature & Art of the Holocaust		WI
Jewish Studies	Electives	Two electives numbered 3000+	6	
Jewish Studies	4096	Independent Jewish Studies	3	WI
Total			33	

*All students must take two writing-intensive courses in their major. In addition to Jewish Studies 4096, students must select one Jewish Studies elective that is writing-intensive.

Distinction in Major

Jewish Studies majors may graduate with distinction if they have a GPA of 3.5 or better in the major, a cumulative GPA of 3.0 or better, and a grade of 3.5 or better in the capstone course (4096: Individual research project with a specific faculty member. Intended for majors in the final semester of coursework).

Sub-tracks with Concentrations in History or Religion

Interested students should consult with a Jewish Studies advisor to plan an individual program of study.

Requirements for the Minor

Department	Course #	Course Name	Hours	RCI
Language Requirement				
Hebrew	2001	Intermediate I or Equivalent approved by a faculty advisor	3	LB
Jewish Studies	2000-2999	One course at the 2000 level	3	
One Jewish Religion course from the following list:			3	
Jewish Studies/Religion	3404	Dead Sea Scrolls		
Religion	3405	Judaism & Literature		
Jewish Studies	3406	Women in Judaism		
Jewish Studies/Religion	3407	Jews, America, Sports		
Jewish Studies/Religion	3411	Philosophies of Judaism		
Political Science	3411	Classical Political Philosophy		
Jewish Studies/Religion	4406	Between Torah & Talmud		
One Jewish History course from the following list:			3	
Jewish Studies/History	2705	Anti-Semitism/Holocaust/Racism		RS
Jewish Studies	2706	Survey of Jewish History		
History	2706	Jewish Diaspora		
Jewish Studies/History	3221	Jewish Experience in America		
Jewish Studies	3406	Women in Judaism		
Jewish Studies	3571	Israel & the Arabs		
History	3571	Israel: History, Politics & Society		
Jewish Studies	3408	Israel in the Middle East		
Jewish Studies/Religion	4406	Between Torah & Talmud		
Jewish Studies	4896	Modern Jewish History		WI
History	4896	Jews, Judaism & the Modern World		WI
One course in Hebrew language, literature, or culture from the following list:			3	

Jewish Studies/Hebrew	2797	Jewish Humor Past & Present		WI
Jewish Studies/Hebrew	2779	Love Themes in Hebrew Literature		
Religion	3405	Judaism & Literature		
Jewish Studies	3406	Women in Judaism		
Jewish Studies/Religion	3407	Jews, America, & Sports		
Jewish Studies	3408	Israel in the Middle East		
Jewish Studies/Hebrew	3711	Israelis & Palestinians		
Jewish Studies	3250	Topics: Jews & Film		
Jewish Studies/Religion	3411	Philosophies of Judaism		
Political Science	3411	Classical Political Philosophy		
Hebrew	2003+	All Hebrew language courses above 2002		
Jewish Studies/Hebrew	3797	Literature & Art of the Holocaust		WI
Jewish Studies	Electives	Two upper-level electives	6	
Total			21	

Requirements for the Jewish Secular Studies Certificate

Department	Course #	Course Name	Hours	RCI
Jewish Studies	2408	Jewish Secularism/Jewish Civilization I	3	
		or		
Jewish Studies	2409	Jewish Secularism/Jewish Civilization II		
<i>Select four of the following electives:</i>			12	
Jewish Studies	2705	Anti-Semitism/Holocaust/Racism		RS
Jewish Studies	3085	Jewish Studies Internship		
Jewish Studies	3221	Jewish Experience in America		
Jewish Studies	3250	Topics: Jews & Film		
Jewish Studies	3406	Women in Judaism		
Jewish Studies	3411	The Philosophies of Judaism		
Jewish Studies	3711	Israelis & Palestinians		
Jewish Studies	4096	Independent Study in Jewish Studies		WI
Jewish Studies	4896	Modern Jewish History		WI
History	4896	Jews, Judaism & the Modern World		WI
Total			15	

Latin American Studies

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Latin American Studies offers three academic programs for undergraduates: the Latin American Studies Major, the Latin American Studies Minor, and the Latin American Studies Semester (LASS). We also offer two certificates, in association with other academic departments, in Spanish & Latin American Studies for Business and Latino Studies & Spanish for the Health and Human Services Professions.

The Latin American Studies Major is an interdisciplinary program with a focus on the study of social problems of Latin America. Latin America's art, literature, and religious thought have been universally recognized for their high quality and contribution to world civilization. At the same time, extreme social inequality persists in Latin America in addition to rapid urban growth, dramatic ecological change, and political upheavals with powerful local and global implications. The Latin American Studies major offers a variety of courses that examine these issues. To complete the major, students must take twelve 3-credit courses in Latin American Studies and demonstrate a reading and speaking knowledge of Spanish or Portuguese.

Requirements for the Major

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

Department	Course #	Course Name	Hours	RCI
Introduction to Latin American Studies - Select one:			3-6	
LAS	1001	Perspectives on Latin America <i>or</i> The Latin American Studies Semester Program (LASS)		IS
LAS		Writing Intensive course (options pending approval)	3	WI
LAS	Electives	Select eight courses, excluding LAS 1001 and 4097, from the approved list of undergraduate courses in Latin American Studies. See advisor for this list.	24	
Spanish-American Literature Courses - Select one:			3	
Spanish	3241 <i>or</i> any 4000+ level	Spanish-American Culture & Civilization <i>or</i> Spanish-American literature course taught in Spanish from the approved list of undergraduate courses in Latin American Studies		
LAS	4097	Latin American Studies Seminar (offered only one time per year)	3	WI*
Total			36-39	
* Indicates Writing Capstone for the Major				

Requirements for the Minor

The Latin American Studies Minor enables students to combine the requirements of their majors with the study of Latin America. It is designed to be of particular value to students who intend to engage in technical, professional, business, or government work involving Latin America. To earn the minor, students must complete six 3-credit courses in subjects with a Latin American emphasis and demonstrate a reading knowledge and speaking facility of Spanish or Portuguese.

Department	Course #	Course Name	Hours	RCI
<i>Select one Introductory Course:</i>			3-6	
LAS	1001	Perspectives on Latin America or Latin American Studies Semester Program (LASS)		IS
LAS	Electives	Select four or five courses depending on number of credits of chosen introductory course, from the approved list of undergraduate courses in Latin American Studies. See advisor for this list.	12-15	
Total			18	
<i>Students also must demonstrate reading knowledge and speaking facility of Spanish or Portuguese through one of the following methods:</i>				
Spanish or Portuguese or LASS or Proficiency examination		2000+ or Latin American Studies Semester or Proficiency examination	3 6	
Please note: LASS Program counts as one introductory course and one elective.				

Distinction in Major

Latin American Studies majors may graduate with distinction in the major if they have a GPA of at least 3.5 in the major and a cumulative GPA of at least 3.0.

Latin American Studies Semester (LASS)

The Latin American Studies Semester (LASS) has been offered every spring semester since 1973. It is a program designed to provide an intensive experience in the study of the Spanish language in combination with an interdisciplinary study of life and contemporary issues in Latin America.

LASS is an integration of several courses, totaling 17 semester hours credit, and must be taken as a package. Because of the credit-hour load and because the objective is to concentrate on Spanish and Latin American Studies, no other courses may be taken without prior approval.

The prerequisite for participation in LASS is two semesters of university-level Spanish or the equivalent. Students with more advanced levels of course background are encouraged to participate in the program as well. All participants in the program may expect to achieve marked improvement in Spanish fluency in only one semester.

- Morning sessions held from 9:00 to 12:00 on Mondays, Wednesdays and Fridays offer language instruction and conversation practice at intermediate and advanced levels guided by native or near native speakers.
- Morning sessions held from 8:40 to 10:00 and from 10:10 to 11:30 on Tuesdays and Thursdays focus on Latin American culture and economic development.
- A LASS Seminar held on Tuesdays and Thursdays from 1:10 to 3:00 highlights a series of topics in Latin American and Latino studies, includes presentations by guest speakers, and also provides for personal contact with the Latino community of Philadelphia.

An integral part of the LASS program is a two-week trip to the Yucatan Peninsula of Mexico during the spring semester recess. The trip is akin to a laboratory in which students can practice their developing language skills. Students are placed in local homes where the only language of communication is Spanish. They experience at first hand something of one Latin American country's culture, history, and social development.

Lesbian, Gay, Bisexual & Transgender (LGBT) Minor

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LGBT Studies analyzes gender, sexuality, and sexual orientation as they are understood by various disciplines and in cross-cultural perspectives. The minor enables students to become familiar with concepts, theories, history, literature, and political and sociological issues concerning the LGBT community. It also gives students an opportunity to examine and think critically about the intersections of sexuality, sex, and gender, and become aware of the diversity of attitudes about sexuality in different cultures and historical eras.

Requirements for the Minor

Department	Course #	Course Name	Hours	RCI
LGB&T	2405	Gay & Lesbian Lives	3	
LGB&T	4489	Field Work	3	

Four electives are required: Among those courses, minors must take two or three LGBT Studies theme courses and one or two Gender courses. Some examples are:				
Women's Studies	2096	Politics of Diversity	3	WR
Women's Studies (cross-listed as English 3097)	3097	Feminist Theory	3	WI
Sociology (cross-listed as Women's Studies 3546)	3546	Sexuality & Gender	3	
History (cross-listed as Women's Studies 2109)	2109	Sexuality & Gender in American History	3	
Total			18	

Intercollegial B.A. Degree in Mathematical Economics

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The Departments of Economics and Mathematics offer the Mathematical Economics program as a platform for systematic concentration in the mathematical approach to economics. Economics has progressed in the last several decades by making extensive use of mathematical techniques. As a result, students who wish to pursue graduate study in economics, finance, accounting, and other disciplines that make an extensive use of economics, need a thorough grounding in both economics and mathematics. The Mathematical Economics curriculum provides this grounding with a broad selection of courses that cover all important areas of economics and the mathematical tools required for a critical, deep mastery of these areas. This program is especially recommended for those students who intend to pursue graduate studies in Economics. The program and its requirements are described in full in the [Intercollegial Programs](#) section of this *Bulletin*.

Neuroscience: Systems, Behavior and Plasticity

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A major in Neuroscience enables students to pursue a curriculum in several departments, colleges, and schools at Temple University in one of the most dynamic areas of science. Neuroscience is an interdisciplinary field addressing neural and brain function at multiple levels. It encompasses a broad domain that ranges from molecular genetics and neural development, to brain processes involved in cognition and emotion, to mechanisms and consequences of neurodegenerative disease. The field of neuroscience also includes mathematical and physical principles involved in modeling neural systems and in brain imaging. The undergraduate, interdisciplinary Neuroscience Major will culminate in a Bachelor of Science degree. Many high-level career options within and outside of the field of neuroscience are open to students with this major. This is a popular major with students aiming for professional careers in the health sciences such as in medicine, dentistry, pharmacy, physical and occupational therapy, and veterinary science. Students interested in graduate school in biology, chemistry, communications science, neuroscience, or psychology are also likely to find the Neuroscience Major attractive.

The Bachelor of Science degree in Neuroscience includes 53 required credits: 22 credits in Neuroscience, 6 credits in electives on neuroscience topics from a variety of participating departments, and 25 credits of co-requisite courses in Biology, Chemistry, and Psychology. Students majoring in Neuroscience will be strongly encouraged to participate in research by taking courses in independent study as part of their elective credits for the major. Independent study opportunities will be offered in many of the laboratories of the more than 130 neuroscientist faculty members in the various colleges and schools participating in Temple University's Neuroscience Program.

Requirements for the Major

Department	Course #	Course Name	Hours	RCI
Biology	1012	General Biology II	4	SB
Chemistry	1031/1033	General Chemistry I	4	SA
Chemistry	1032/1034	General Chemistry II	4	SB
Psychology	1071	Psychology as a Natural Science	3	
Psychology	1167	Foundations in Statistical Methods	3	QB
Psychology	2168	Inferential Methods in Psychology	3	
Psychology	2196	Scientific Thinking in Psychology	4	WI
Neuroscience	1051	Fundamentals of Neuroscience	3	
Neuroscience	2121	Development/Plasticity/Repair	3	
Neuroscience	2122	Cellular & Molecular Neuroscience	3	
Neuroscience	2222	Neurobiology of Disease	3	
Neuroscience	3087*	Techniques in Neuroscience	3	
<i>Choose one of the following courses:</i>			3	
Psychology	2102	Evolutionary & Comparative Psychology		
Psychology	2501	Foundations of Behavioral Neuroscience		
Psychology	2502	Foundations of Cognitive Neuroscience		
<i>Select two electives from the following list:</i>			6-8	
CSC+DIS	3235	Human Neuroscience		

CSC+DIS	3382	Independent Study in Communication Sciences		
Philosophy	2144	Introduction to the Philosophy of Mind		
Psychology	3306	Neuroscience of Development & Aging		
Psychology	3561	Psychopharmacology		
Psychology	3566	Neurobiology of Learning and Memory		
Psychology	4182	Independent Study in Cognitive Neuroscience I		
Psychology	4282	Independent Study in Cognitive Neuroscience II		
Neuroscience	4282*	Independent Study		
Biology	3082	Independent Study		
Biology	3096	Cell Structure & Function		WI
Biology	3352	Systems Neuroscience		
Biology	3354	Neural Basis of Animal Behavior		
Biology	3356	Organization & Development of the Nervous System		
Chemistry	3881	Cooperative Research		
Chemistry	4107	Drug Analysis		
Physics	3301	Electricity & Magnetism		
Neuroscience	4197*	Capstone Practicum (Clinical or Lab)	4	WI
Total			53-55	
*new course - pending approval				

Note: Students completing the B.S. degree in the College of Liberal Arts are not required to complete the additional college Foreign Language/Global Studies requirement. Students need only complete the World Society requirement of the General Education Program.

All Temple students must take a minimum of two writing-intensive courses.

Specialization in Neuroscience

The Specialization in Neuroscience provides the opportunity for a student with a major in departments in the Colleges of Engineering, Health Professions, Liberal Arts, and Science and Technology to gain knowledge and research experience in neuroscience. The student must apply for admission to the Neuroscience Program (application form is available on the [Neuroscience](#) web page). In order to complete the program successfully, a student must:

1. Complete three courses in neuroscience with a grade of B or better;
2. Complete one year of neuroscience research in the laboratory of a faculty member of the program;
3. Present the research results publicly;
4. Write a paper based on the research and have it approved by two faculty members participating in the Neuroscience Program.

“Specialization in Neuroscience” will be noted on the student’s transcript upon completion of the requirements.

Philosophy

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The Philosophy Department offers a 36-credit B.A. degree program. The program is designed to provide a solid foundation for various professions in business, government, and professional schools (such as law), as well as an excellent background for the further study of philosophy. The department makes special provisions for students who have chosen the major as preparation for entry into law school. These students should follow a path slightly different from that of traditional majors, as indicated below. The Philosophy Department always has many majors who are transfer students. Students should be sure to see a departmental advisor to make the necessary adjustments for their progress through the major.

Requirements for the Major

Department	Course #	Course Name	Hours	RCI
Philosophy	1066	Introduction to Logic	3	QB
Philosophy	2161	History of Philosophy – Greek	3	
Philosophy	2172	History of Philosophy – Modern	3	
Philosophy	1196	Introduction to Philosophy	3	WI
<i>Select one Ethics course:</i>			3	
Philosophy	3222	Contemporary Ethical Theory		
		<i>or</i>		
Philosophy	3226	Classics in Moral Philosophy ¹		
<i>Select one Senior Seminar:</i>			3	
Philosophy	4298	Senior Seminar		
		<i>or</i>		
Philosophy	4379	Pre-Law Tutorial		WI
<i>Six additional Philosophy courses at the 2000+ level</i>			18	
Total			36	
¹ For scheduling reasons, especially for transfer students, another ethics-related course is often substituted.				

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed above and are identified by "WI" in the RCI column.

Suggestions for the Philosophy Major with a Pre-Law Emphasis

Department	Course #	Course Name	Hours	RCI
Philosophy	1001	Philosophical Challenges to the Individual	3	IN
Philosophy	1055	Critical Thinking	3	
Philosophy	2161	History of Philosophy – Greek	3	
Philosophy	2172	History of Philosophy – Modern	3	
Philosophy	3243	Philosophy of Law	3	
Philosophy	4379	Pre-Law Tutorial	3	
Philosophy	3085	Pre-Law Internship	3	
Philosophy	2000+	5 additional philosophy courses at the 2000+ level	15	
Total			36	

Distinction in Major

Successful completion of Philosophy 4999, Honors Thesis.

Requirements for the Minor

Department	Course #	Course Name	Hours	RCI
<i>Select one Introductory Philosophy course:</i>			3	
Philosophy	1101	Introduction to Philosophy		
Philosophy	1001	Philosophical Challenges to the Individual		IN
<i>Select one from the following list:</i>			3	
Philosophy	1066	Introduction to Logic		QB
Philosophy	1055	Critical Thinking		
<i>Select one History of Philosophy course:</i>			3	
Philosophy	2161	History of Philosophy – Greek		
Philosophy	2172	History of Philosophy – Modern		
<i>Select one Ethics course:</i>			3	
Philosophy	3222	Contemporary Ethical Theory		
Philosophy	3226	Classics in Moral Philosophy ¹		
<i>Three additional Philosophy courses:</i>				
Philosophy	2000+	Three electives numbered at the 2000+ level or higher	9	
Total			21	
¹ For scheduling reasons, especially for transfer students, another ethics-related course is often substituted.				

Political Science

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The Political Science major and minor provide a systematic study of politics in the United States (federal, state, and local) and foreign countries. Students will have an opportunity to compare United States politics and policy to those of other nations and to study the relationship among states within the international system. Special emphasis will be placed on using theoretical tools to study the role institutions and social relations play in shaping political outcomes, as well as the relationship between politics and economics (political economy).

The key educational goal for political science students is analytical thinking. Students will recognize and understand various patterns in the distribution of political power and recurrent models of political behavior. Students will also gain insight into the relationship between the distribution of resources and power within society and political outcomes. As politics inherently involves how societies distribute life opportunities, students will also reflect upon the moral choices involved in political life. The department teaches students how to develop the capacity to conduct empirical research in order to illuminate and revise theoretical models of politics. Students will be expected to use a full range of data and to write clearly.

Political Science graduates pursue a wide range of careers. They may work in government offices (at all levels), political campaigns, private voluntary organizations, unions and community organizations, as well as the private sector. Some pursue teaching careers. A degree in Political Science is also excellent preparation for law school.

The department can arrange internships, which are typically linked to academic study. In addition, our Experiential Learning Program offers internships combined with academic seminars every term.

The department has two important student organizations: the Political Science Majors Association and the Political Science Honor Society - Pi Sigma Alpha, Temple Chapter.

Requirements for the Major

Department	Course #	Course Name	Hours	RCI
Political Science	1101	The American Political System (Honor Students take 1911)	3	AC
Political Science	1201	Foreign Government & Politics (Honor Students take 1921)	3	IS
Political Science	1301	International Politics (Honor Students take 1931)	3	IS
Political Science	2496	Introduction to Political Philosophy	3	WI
Political Science	4896	Capstone Seminar in Political Science	3	WI
Political Science	Electives	<i>Select 6 upper-level courses numbered 2000-4999 (with the exception of 2496)</i>	18	
Total			33	

Note: Courses should be sequenced so that students take the introductory courses before the upper-level courses. PS 1101 is an introduction to U.S. politics and should be taken before upper-level courses in this area. Similarly, PS 1201 introduces foreign governments and precedes upper-level courses in this field. PS 1301 introduces international politics and is a prerequisite for upper-level courses in this subject matter. PS 2496* introduces political theory and should be taken after a student has had several Political Science courses and should precede upper-level theory courses. PS 4896* is the Capstone course for the major and should be taken in the senior year after the completion of PS 1101, 1201, 1301, 2496 and four Political Science courses numbered 2000 or higher. Not all courses are offered every semester. Please check the *Class Schedule* for actual course offerings each semester.

Note: All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed above and are identified by "WI" in the RCI column.

Requirements for the Minor

Department	Course #	Course Name	Hours	RCI
Introduction - select two			6	
Political Science	1101	The American Political System (Honor Students take 1911)		AC
Political Science	1201	Foreign Government & Politics (Honor Students take 1921)		IS
Political Science	1301	International Politics (Honor Students take 1931)		IS
Political Science	2496	Introduction to Political Philosophy		WI
Political Science	Electives	<i>Select 4 upper-level courses numbered 2000-4999 (with the exception of 2496)</i>	12	
Total			18	

Special Programs

Honors Program: Students in the Temple Honors Scholar Program may choose to specialize in Political Science. Through honors seminars, mentoring, and university research funding, the Honors Scholar Program encourages motivated students to make the most of their undergraduate studies through guided independent scholarly research as well as through intellectual interaction with faculty and other honors students both from Political Science and other departments.

Students must have completed 60+ credits in order to apply to become an Honors Scholar (typically during the spring of their sophomore year). For an online application and more detailed information, please visit the Temple University Honors Scholar Program web site at: www.temple.edu/honors. The program enables majors to develop the analytic and research skills necessary for graduate or professional school and for careers in political research. Completion of the program's requirements leads to the "Honors Scholar" designation on the Temple transcript.

Departmental honors seminars provide a dynamic and participatory environment in which the best and most motivated students in the department engage some of the most pressing issues in national and international politics. Recent courses have explored the politics of democracy and authoritarianism, money and the electoral process, and constitutional law. While each seminar involves close reading of a significant body of literature and the writing of analytic essays or a research paper, the time demands of the seminar will not interfere with successful performance in other courses. Those interested in applying for admission should write or call the Honors Program Coordinator, Dr. Hawley Fogg-Davis (phone: 215-204-6929, e-mail: hfd@temple.edu).

Funding and Support: Honors Program students may apply for financial support to cover research-related activities, such as visits to archives, travel to present a scholarly paper, etc., up to \$2,000 through the Undergraduate Research Incentive Fund:

www.temple.edu/vpus/programs_initiatives/index.htm#urif.

Funding is also available through the Diamond Research Scholars Program:

www.temple.edu/vpus/programs_initiatives/index.htm#dtdu.

Honors students are also encouraged to submit their completed senior thesis to the Library Prize for Undergraduate Research:

<http://library.temple.edu/about/prize/howtoapply.jsp?bhcp=1>.

Experiential Learning/COOP Program: The Cooperative Education Program is designed to provide experience in an actual job situation for which the student earns academic credit when their work is done in conjunction with academic supervision. Interested students should see Ms. Helaine Liwacz, Coop and Internship Coordinator, for more information (Gladfelter Hall, Room 431; phone: 215-204-6795; e-mail: laineli@temple.edu).

Pre-Law Studies: Political Science is one of the most popular majors for pre-law students. Although law schools neither give preference to any particular major nor require any specific undergraduate courses, they do make some general recommendations about getting a sound Liberal Arts education. Students should visit the CLA web site, www.temple.edu/claprelaw/, for more information.

In general, pre-law students should develop skills in communicating ideas in both written and spoken form. In addition, pre-law students should sharpen their analytical abilities and ability to

think logically. Law schools also recommend that pre-law students acquire in-depth understanding of at least one social science (such as Political Science). Finally, some knowledge of business structure and terminology may be useful in law school. For further information, students interested in pre-law studies should contact Professor Conrad Weiler (Gladfelter Hall, Room 431; phone: 215-204-7746; e-mail: weilerc@temple.edu).

Study Abroad: Temple provides a number of opportunities for students to study abroad; and the experience of living in, and meeting people from, other cultures; seeing different countries; and learning a foreign language can greatly enrich the undergraduate experience. The Office of International Programs (200 Tuttleman Learning Center; phone: 215-204-0720; www.temple.edu/studyabroad/) has information on a variety of programs abroad. Temple study abroad locations include Tokyo, Rome, Israel, London, Paris, Germany, Ghana, and Mexico.

The Political Economy Certificate Program: The Department of Political Science and the Department of Economics offer an interdisciplinary program leading to a Certificate in Political Economy. The program focuses on the interaction between government and the economy and is ideal preparation for students planning careers in either the public or private sector. It also provides an excellent foundation for graduate studies in law, the social sciences, and public administration. The program is open to all matriculated students in the university. Contact Dr. Richard Deeg (phone: 215-204-7123; e-mail: rdeeg@temple.edu) for specific details and requirements.

Student Organizations

The Political Science Majors Association is the organization of all Political Science majors at Temple University. The primary purpose of the association is to represent the opinions and interests of undergraduate majors within the Political Science Department. The association sponsors activities for undergraduate majors, including career forums, lectures, student and faculty mixers, law and graduate forums, seminars on popular topics, and trips to Harrisburg.

Pi Sigma Alpha is the national Political Science Honor Society, into which students who have distinguished themselves in the field of political science are inducted. Inquiries about membership should be directed to the faculty advisor of Pi Sigma Alpha, Dr. Robin Kolodny (phone: 215-204-7709).

Psychology

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Psychology identifies several learning goals for each level of instruction in the program. At the introductory level (generally 1000-level courses, including 1061, 1071 and 1167), goals include familiarity with the discipline as it is grounded in both the social and the natural sciences, as well as familiarity with basic descriptive statistical applications. At the Foundation level (generally 2000-level courses), there are two sets of goals. One set is directed toward the further development of critical thinking. This is achieved through two courses, 2168 (*Inferential Methods in Psychology*) and 2196 (*Scientific Thinking in Psychology*), which prepare students dispassionately to examine conflicting claims, to analyze data, to organize research papers, and generally to become more proficient with the scientific process. The second set of goals includes familiarity with a spectrum of content areas in the discipline, which are broadly organized in two groups: Developmental/Clinical/Social (DCS) and Bio-Behavioral Cognitive (BBC). Students are required to choose at least one course from each of these two general areas, and this ensures familiarity with a scope of information across two content areas. At the Advanced level (generally 3000-level courses), students are required to select three courses, either continuing with a broad selection or choosing to delve into greater depth in one area, such as clinical psychology. Finally, at the 4000 level, Capstone is the only course offered. This 4-credit writing-intensive course is designed to help students integrate their knowledge base, to develop further the critical and writing skills they have developed, and generally to synthesize their knowledge of the discipline.

Elective Psychology Courses at Any Level

Each term, the Psychology Department will offer a few courses that are not listed under the regular required curriculum. These courses will be open to both the Psychology major and the non-major and usually will have the prerequisite of only Psychology 1061. Psychology majors taking these courses will receive elective CLA credit, which will contribute to the CLA upper-level course requirement.

Psychology 3791, 3891, 4791, and 4891 Collaborative Research

One or two terms of Psychology 3791 - 3891 may be taken as elective psychology credit and helps fulfill the CLA upper-level course requirement. Your student advisor has information on the research interests of the faculty. You must contact the faculty member with whom you plan to work and receive their approval prior to registration. Working with a faculty member on a research project can be a very valuable experience, and this course is an important one to have on your record when making application to graduate school. The maximum credit permissible for 3791 - 4891 is 16 s.h.; a maximum of 4 credits each in 3791, 3891, 4791 and 4891.

Psychology 3785 - 3787 Internship

Designed for those who want to experience psychology in the workplace, the internship allows students to apply theory to real-life situations, build an employment record, and complement future applications for graduate work in psychology or social work. Work placements are available in a number of different applications in psychology, including, but not limited to: organizational, applied behavior analysis; education; clinical and counseling psychology; opportunities to work with autistic children, probation officers; and a variety of other

placements. Each setting offers students a range of employment options that link classroom learning with practical experience. Students graduating from the program will have on-the-job experience as well as recommendations and job performance evaluations so that they can move easily from their undergraduate studies into psychology-related job opportunities or into graduate schools with an applied focus. Contact Peggy de Wolf for information about our internships, 215-204-3409 or peggy.dewolf@temple.edu.

Requirements for the Major

41 Credit Hours in Psychology.

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

Introductory Courses Required:

Department	Course #	Course Name	Hours	RCI
Psychology	1061	Psychology as a Social Science	3	IN
Psychology	1071	Psychology as a Natural Science	3	
Psychology	1167	Foundations in Statistical Methods	3	QB
Subtotal			9	

Psychology Science Requirement:

Department	Course #	Course Name	Hours	RCI
<i>Select one from list:</i>			3-4	SA
Biology	1001	Human Biology		
		<i>or</i>		
Biology	1011	General Biology I		
		<i>or</i>		
Chemistry	1031/1033	General Chemistry I and Lab		
		<i>or</i>		
Physics	1021	Introduction to General Physics I		
Subtotal			3-4	

Methods Courses Required:

Department	Course #	Course Name	Hours	RCI
Psychology	2168	Inferential Methods in Psychology	3	
		(Prerequisite: Psychology 1167 or equivalent)		
Psychology	2196	Scientific Thinking in Psychology	4	WI
		(Prerequisite: Psychology 1061, 1071, 1167)		
Subtotal			7	

Foundation Courses (2000 Level):

Three courses required – at least one each from the BBC Area (2101, 2102, 2103, 2104, 2501, 2502) and one from the DCS Area (2201, 2301, 2401, 2402). The third foundation course can be in either area. Foundation courses are prerequisites for the advanced (3000-level) areas.

Department	Course #	Course Name	Hours	RCI
<i>Select one course from the DCS area (Prerequisite: Psychology 1061):</i>			3	
Psychology	2201	Foundations of Psychopathology		
Psychology	2301	Foundations of Developmental Psychology		
Psychology	2401	Foundations of Social Psychology		
Psychology	2402	Foundations of Industrial & Organizational Psychology		
<i>Select one course from the BBC area (Prerequisite: Psychology 1071):</i>			3	
Psychology	2101	Foundations of Cognitive Psychology		
Psychology	2102	Foundations of Evolutionary & Comparative Psychology		
Psychology	2103	Foundations of Learning & Behavior Analysis		
Psychology	2104	Foundations of Sensation & Perception		
Psychology	2501	Foundations of Behavioral Neuroscience		
Psychology	2502	Foundations of Cognitive Neuroscience		
<i>Select one course from either the DCS or BBC area</i>			3	
Subtotal			9	

Advanced Courses (3000-3620):

Choose three from any of the advanced courses (3000-3620) for which you have completed the prerequisite foundation course. These courses cover specialty areas within particular fields of psychology.

Department	Course #	Course Name	Hours	RCI
<i>Advanced Courses - Select three:</i>				
Psychology	3141	Neurobiology & Evolution of Social Behavior		
Psychology	3151	Direct Application of Behavioral Principles		
Psychology	3152	Experimental Psychopathology		
Psychology	3161	Research Methods in Perception		
Psychology	3162	Visual Recognition		
Psychology	3221	Clinical Psychology: Research & Practice		
Psychology	3223	Child Psychopathology & Treatment		
Psychology	3301	Phases of Development: Infancy		
Psychology	3304	Personality, Social, & Emotional Development		
Psychology	3305	Cognitive & Language Development		
Psychology	3306	Neuroscience of Development & Aging		

Psychology	3307	Theories of Development		
Psychology	3411	Social Cognition		
Psychology	3412	Psychological Studies of Social Issues		
Psychology	3417	Personnel Psychology		
Psychology	3418	Human Performance Improvement		
Psychology	3561	Psychopharmacology		
Psychology	3566	Neurobiology of Learning & Memory		
Subtotal of Advanced Courses			9	

Psychology Elective: one additional course at the Foundation Level or the Advanced Level.

Department	Course #	Course Name	Hours	RCI
Psychology	elective	Foundation or Advanced		
Subtotal			3	

Capstone Courses - One 4000-level course required:

(Seniors only - minimum of 90 credits completed and completion of both Method Level Courses)

Department	Course #	Course Name	Hours	RCI
Psychology	4496	Capstone: History of Psychology		WI
Psychology	4596	Capstone: Fields of Psychology		WI
Psychology	4696	Capstone in Psychology		WI
Psychology	4796	Capstone: Research		WI
Psychology	4996	Honors Capstone		WI
Subtotal			4	

Major Total			44-45	
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Individual Study Courses:

(Permission of the instructor required.)

Department	Course #	Course Name	Hours	RCI
Psychology	2991	Honors Research I		
Psychology	3991	Honors Research II		
Psychology	4991	Honors Research III		
Psychology	4996	Honors Capstone		WI
Psychology	4998	Honors Research Problems		WI
Psychology	4182/4282	Independent Study in Cognitive Neuroscience I & II		

		(Prerequisite: Psychology 1167, Psychology 2168 AND Psychology 2196)		
Psychology	3791/3891/ 4791/4891	Collaborative Research		
		(Prerequisite: Psychology 1071, Psychology 2168, Psychology 2196)		
Psychology	3785	Psychology Internship		
		(Prerequisite: Junior/Senior Psychology Major)		
Psychology	3787	Practicum		
		(Prerequisite: Junior/Senior Psychology Major)		

Distinction in Major

Completion of the Psychology Honors program.

The Psychology Honors Program:

Honors students take honors courses from the Psychology 3991–4996 sequence in the Junior and Senior years. Independent study is guided by a faculty sponsor whose research interests coincide with the student's, and seminars deal with topics in research design as well as the substantive issues arising out of the student's research. Grade requirement is a 3.5 GPA across all courses. Contact Dr. K. Hirsh-Pasek, e-mail: khirshpa@temple.edu.

Department	Course #	Course Name	Hours	RCI
Psychology	3991 – 4996	Honors Program	1-4	

The Undergraduate Psychology Majors' Association

The Psychology Majors' Association is an organization intended to serve as an information base concerning faculty, classes, etc., a gathering/meeting place, and a social support network of students with diverse background/interests within the Psychology field. We are located at 605 Weiss Hall and welcome the suggestion and input of all members.

PSI CHI - The National Honor Society in Psychology

The minimum requirements for membership in PSI CHI are a 3.20 cumulative GPA and a 3.50 GPA in Psychology courses. Applications are available in the PSI CHI office, Room 605, Weiss Hall.

Student Advisor/Ombudsperson

When a grievance such as a grade dispute or personality conflict arises between an instructor and student, the student ombudsperson acts as a liaison or mediator in an attempt to resolve the problem.

The student ombudsperson for the Department of Psychology is located in 607 Weiss Hall, 215-204-1576. The student advisor can also give fellow students helpful information in their major as seen through the eyes of a student. The student advisor can provide any information concerning major requirements, core curriculum, graduate school, and academic procedures.

Phi Beta Kappa

See [Supplemental Educational Opportunities: Academic Opportunities: Honor Societies](#).

Minor in Psychology

The Minor in Psychology introduces the student to a representative array of Psychology courses, prepares the student for the minimal course requirements for acceptance to most Psychology graduate schools, and results in formal university recognition on the student's official transcript.

Department	Course #	Course Name	Hours	RCI
Psychology	1061	Psychology as a Social Science	3	IN
Psychology	1071	Psychology as a Natural Science	3	
Psychology	1167	Foundations in Statistical Methods	3	QB
Psychology	2168	Inferential Methods in Psychology	3	
Psychology	2196	Scientific Thinking in Psychology	4	WI
Subtotal			16	
Foundation Courses - Select one:				
Psychology	2101	Foundations of Cognitive Psychology		
Psychology	2102	Foundations of Evolutionary & Comparative Psychology		
Psychology	2103	Foundations of Learning & Behavior Analysis		
Psychology	2104	Foundations of Sensation & Perception		
Psychology	2201	Foundations of Psychopathology		
Psychology	2301	Developmental Psychology		
Psychology	2401	Foundations of Social Psychology		
Psychology	2402	Foundations of Industrial & Organizational Psychology		
Psychology	2501	Foundations of Behavioral Neuroscience		
Psychology	2502	Foundations of Cognitive Neuroscience		
Subtotal			3	
Advanced Courses - Select one:				
Psychology	3141	Neurobiology & Evolution of Social Behavior		
Psychology	3151	Direct Applications of Behavioral Principles		

Psychology	3152	Experimental Psychopathology		
Psychology	3161	Research Methods in Perceptions		
Psychology	3162	Visual Recognition		
Psychology	3221	Clinical Psychology: Research & Practice		
Psychology	3223	Child Psychopathology & Treatment		
Psychology	3301	Phases of Development: Infancy		
Psychology	3304	Personality, Social, & Emotional Development		
Psychology	3305	Cognitive & Language Development		
Psychology	3306	Neuroscience of Development & Aging		
Psychology	3307	Theories of Development		
Psychology	3411	Social Cognition		
Psychology	3412	Psychological Studies of Social Issues		
Psychology	3417	Personnel Psychology		
Psychology	3418	Human Performance Improvement		
Psychology	3561	Psychopharmacology		
Psychology	3566	Neurobiology of Learning & Memory		
Psychology	3615	History & Systems of Psychology		
Psychology	3620	Topics in Psychology		
Subtotal			3	
Total			22	

Cognitive Neuroscience Minor

Students in the College of Liberal Arts (including Psychology majors) as well as students in other colleges, schools, and departments may choose to minor in Cognitive Neuroscience. No more than two courses can be double-counted for the Psychology major and the Cognitive Neuroscience minor. Cognitive neuroscience is an interdisciplinary field with a focus on a fundamental mystery of science: how the mind arises from the brain. A minor in Cognitive Neuroscience will strengthen the academic record of students who plan to apply for graduate programs. For example, in Psychology this minor will strengthen applicants' records for specializations such as Behavioral Neuroscience, Clinical Neuropsychology, Cognitive Psychology, or Psychophysiology. Students might also go into General Neuroscience or Cognitive Science. Pre-med students with a Cognitive Neuroscience minor would present distinctive profiles to medical school admissions offices.

Department	Course #	Course Name	Hours	RCI
Psychology	2101	Foundations of Cognitive Psychology	3	
Psychology	2502	Foundations of Cognitive Neuroscience	3	
Communication Sciences & Disorders	3235	Human Neuroscience	4	
<i>Select three cognitive neuroscience elective courses from the following listing:</i>			10-13	
Biology	3352	Systems Neuroscience		

Biology	3356	Organization & Development of the Nervous System		
Philosophy	2144/4244	Philosophy of the Mind		
Psychology	4182/4282	Independent Study in Cognitive Neuroscience		
English	2821	Introduction to Linguistics		
Communication Sciences & Disorders	1108	<i>or</i> Introduction to Linguistics		
Psychology	3306	Neuroscience of Development & Aging		
Psychology	3561	Psychopharmacology		
Psychology	3566	Neurobiology of Learning & Memory		
Total			20-23	

Religion

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Religion is a pervasive, powerful, multifaceted, and enduring dimension of human experience. Religions have shaped complex cultures and countless individual lives. They are influential in the world today and will continue to be so in the future. The academic study of religion is multidisciplinary, drawing upon approaches from history, literary studies, philosophy, and the social sciences. It is multicultural, exploring the beliefs, practices, and development of particular religious communities in many different cultures.

Requirements for the Major

Department	Course	Course Name	Hours	RCI
Religion	1001	Religion and Society	3	IN
<i>Select one of these writing courses below:</i>			3	
Religion	2096	Death and Dying		WI
Religion	2496	Introduction to the Bible		WI

Religion	2596	What is Christianity?		WI
Religion	2696	Introduction to Islam		WI
<i>Select two of these courses below:</i>			6	
Religion	2101	Religions of India		
Religion	2102	Introduction to Buddhism		
Religion	2201	Chinese Religions --- Confucius to Mao		
Religion	2403	What is Judaism?		
Religion	3301	Japanese Religions		
Religion	3701	Traditional Religions of Africa		
<i>Additional Requirements of the Major:</i>				
Religion		Five elective courses (up to two may be from courses numbered 0800-1999, and at least three must be from courses numbered 2000 and above)	15-16	
Religion	4096*	Capstone Seminar in Religion	3	WI
Total			30-31	

*Restricted to Religion majors only and minors with permission of instructor. Students must have completed at least five courses in the major prior to taking the capstone. It will be offered only in the SPRING semester, so students should plan accordingly.

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed above and are identified by "WI" in the RCI column.

Transfer students: No more than five religion courses taken at other institutions may be accepted for the major. The director of undergraduate studies must determine that these meet the standards of the Religion major.

Requirements for the Minor

A minor in Religion has the same objectives and offers the same kinds of opportunities for learning as the major, in a program designed for students concentrating in another academic field. It consists of:

Department	Course #	Course Name	Hours	RCI
Religion	1001	Religion and Society	3	IN
Religion		An additional lower-level course (numbered below 2000)	3	
Religion		Four Religion courses (no more than one below 2000)	12	
Total			18	

Distinction in Major in Religion

For graduation with Distinction in Major, an overall GPA of 3.25 is required with 3.5 in Religion courses.

Russian

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www.temple.edu/fgis/Slavic/

Russian is a major world language spoken by more than 150 million people in the Russian Federation, Ukraine, Belarus, Kazakhstan, the Baltic States, the Caucasus, and right here in Philadelphia, as well as in every other large American city. Russian is the national (official) language of Russia, Ukraine, Kazakhstan, Kyrgyzstan and is used as a lingua franca throughout Central Asia. It is also one of the official working languages of the United Nations. Russian is the language of the booming Russian economy, one of the largest producers of oil, gas, coal, diamonds, gold, copper, steel, and timber. A tremendous market for U.S. goods and services, Russia is also beginning to increase its exports to the United States, especially in the energy sector. Students who study Russian can go on to enjoy exciting and fulfilling careers in international business.

Russia is also the birthplace of one of the world's most fascinating cultures. Whether you are interested in literature (think Dostoevsky and Tolstoy, Pasternak and Akhmatova), music (think Tchaikovsky and Stravinsky), theater (think Stanislavsky and Chekhov), film (think Eisenstein, Tarkovsky and Sokurov) or art (think Kandinsky, Malevich, and Chagall), Russian culture is a rich and exciting tradition that has been of critical importance for the development of world culture.

Temple's Russian program helps students achieve their learning goals, whether they want to go on to use Russian to communicate with Russian friends, to engage in business with Russian partners, to work in government or in the media, or to study Russian culture. Our courses are designed in accordance with the National Standards for Foreign Language Learning (see www.actfl.org and click on "Publications"). Students of Russian at Temple:

- Learn to communicate in Russian with native speakers of Russian and participate in Russian-speaking communities, whether in Philadelphia, Russia, or, through study abroad and/or use of technology, anywhere else in the world;

- Develop an appreciation of Russian culture and cultural practices and perspectives including not only the landmark works of literature, art, architecture, and music, but also Russian cultural behaviors, traditions, and expectations;
- Apply their knowledge of Russian to make connections to other disciplines, such as History, Political Science, Geography, and Economics, using Russian and English-language sources to compare Russian, American, and other cultures to understand Russia and the USA in a global context;
- Enhance their understanding of the English language and their written and spoken communication skills in *both* Russian and English; and
- Develop language learning skills and strategies they can apply to the continued study of Russian language and culture (after completion of their program at Temple) or to the study of other languages and cultures.

Students who study Russian at Temple find that the Russian program prepares them to do well in whatever they choose upon graduation; our program teaches students to think, read, and write critically. The word **Russian** stands out on students' résumés and transcripts. Students of Russian go on to careers in business, media, government service, and work in non-profit agencies; some choose to go to graduate or professional school before embarking on careers in law, medicine or government service. Russian is considered a language of national strategic significance and numerous federal agencies give preference to job candidates with Russian language expertise. Many students who major in Russian do so in combination with another major.

The Temple Russian program strongly encourages students to participate in study abroad through accredited programs and is ready to help students apply for scholarships to help make that possible. Students participating in recognized programs in Russia, such as those sponsored by the American Council of Teachers of Russian (www.actr.org), the Council on International Educational Exchange (www.ciee.org), or the School of Russian and Asian Studies (www.sras.org), as well as in other study abroad programs as approved by the faculty advisor, receive credit towards the Russian major for courses taken in Russia on study abroad. See the faculty advisor for more details, and visit the Temple University International Academic Programs office in Tuttleman Hall (www.temple.edu/studyabroad/) for more information.

Requirements for the Major in Russian

(Students who completed Russian 3001 or higher in fall 2006 or spring 2007 may complete the old Russian major program and should see Professor Maria Swiecicka-Ziemianek for details.)

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

Prerequisites: Russian 2002 or the equivalent. This means that students with no Russian language background take Russian 1001 (*First-Year Russian I*) and continue through Russian 2002 (*Second-Year Russian II*). Heritage students of Russian, i.e., students who speak Russian in their homes, are required to take Russian 3003 and should see the faculty advisor for Russian for this placement.

Department	Course #	Course Name	Hours	RCI
Russian	1201	Russian Culture (taught in English)	3	
Russian	3001*	Third Year Russian I	4	
Russian	3002*	Third Year Russian II	4	
Russian	4097	Fourth Year Russian I	3	WI
Russian	4002	Fourth Year Russian II	3	
Russian	3201	Service Learning in Russian I	2	
Russian	4198	Writing with Russian Sources	5	WI
Russian	2100 level	Elective	3	
Russian	4100 level**	Elective	4	
Total			31	
*Heritage students of Russian (students with a home background in which Russian is spoken) take Russian 3003, 3004 and a 2-credit service learning (Russian 3202) instead of Russian 3001 and 3002 for the same number of total credits.				
**Students may substitute History 3361, 3362, or 3363 for one of the upper-level culture courses with permission of the faculty advisor, resulting in 30 credits for the major.				
Note: Students who took Russian 3001/3002 in academic year 2007-2008 or earlier should see an advisor to arrange substitutions to make up the minimum number of required credits.				

Distinction in Major

To be considered for Distinction in Major, students must:

- Complete the requirements for the concentration in Russian with a GPA of at least 3.50 in Russian courses;
- Be recommended to the Chair of the department by the Russian faculty advisor;
- Have an overall GPA of at least 3.25.

Requirements for Minor in Russian

(Students who completed Russian 3001/3002 in academic year 2007-2008 or earlier may elect to complete the old Russian minor and should see Professor Maria Swiecicka-Ziemianek for details.)

Prerequisites: Russian 2002 or equivalent. This means that students with no Russian language background take Russian 1001 (*First-Year Russian I*) and continue through Russian 2002 (*Second-Year Russian II*). Successful completion of Russian 2002 or the equivalent is the prerequisite for entrance into Russian 3001, a course required for the Russian minor. Heritage students of Russian, i.e., students who speak Russian in their homes, are required to take Russian 3003 and should see the faculty advisor for Russian for this placement.

Department	Course #	Course Name	Hours	RCI
Russian	1201	Russian Culture	3	

Russian	3001*	Third Year Russian I	4	
Russian	3002*	Third Year Russian II	4	
Russian	Electives	At least two 2100-level or above courses in Russian**	8	
Total			19	

*Heritage students of Russian (students with a home background in which Russian is spoken) take Russian 3003, 3004 and a 2-credit independent study (Russian 3082) instead of Russian 3001 and 3002.

**Students may substitute History 3361, 3362, or 3363 for one of the upper-level culture courses with permission of the faculty advisor, resulting in 18 credits for the minor.

Note: Students who took Russian 3001/3002 in academic year 2007-2008 or earlier should see an advisor to arrange substitutions to make up the minimum number of required credits.

Requirements for the Special Foreign Language Certificate in Russian

(Students who completed Russian 3001/3002 in academic year 2007-2008 or earlier may elect to complete the old Russian certificate and should see Professor Maria Swiecicka-Ziemianek for details.)

Prerequisites: Russian 2002 or equivalent. This means that students with no Russian language background take Russian 1001 (*First-Year Russian I*) and continue through Russian 2002 (*Second-Year Russian II*). Heritage students of Russian, i.e., students who speak Russian in their homes, are required to take Russian 3003 and should see the faculty advisor for Russian for this placement.

Department	Course #	Course Name	Hours	RCI
Russian	3001*	Third Year Russian I	4	
Russian	3002*	Third Year Russian II	4	
Russian	4001	Fourth Year Russian I	3	
Russian	4002	Fourth Year Russian II	3	
Total			14	

*Heritage students of Russian (students with a home background in which Russian is spoken) take Russian 3003, 3004 and a 2-credit service learning course (Russian 3201) instead of Russian 3001 and 3002 for the same total number of credits.

Sociology

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Undergraduate majors can complete the general Major in Sociology or specialize in the Health Track in Sociology. The sociology department offers three programs for non-majors: a minor in sociology, a minor in the sociology of health, and a certificate in health research.

Sociology is the study of human behavior in the context of the groups, organizations, institutions, and societies in which it occurs. The sociology department offers courses covering a wide range of topics, including: contemporary social issues, race and racism, sexuality and gender, health and health care, education, urban life, organizations, family, political life, law, international development and globalization. The sociological perspective pays close attention to diversity in culture, values, and human experience.

Majoring in sociology prepares students for many careers and graduate programs by providing both a broad sociological perspective and specific research, statistical and analytic skills. Students gain experience in fieldwork; interviewing; developing, administering and analyzing surveys; statistical analysis; and writing research reports. Sociology provides an excellent background for students planning to begin their careers upon graduation as well as those planning to pursue graduate education. Recent graduates have gone to work and graduate school in the areas of law, medicine, business, non-profits, community planning, social work, market research, and education. Students who are interested in a career in the health field can pursue a special sociology major focused on health-related coursework. The Health Track in Sociology prepares students for graduate studies in leading medical, dental, nursing, public health, and physical and occupational therapy programs as well as graduate programs in sociology and related fields. While acquiring the analytic and research skills of the general sociology major, those in the health track have opportunities to participate in specially-designed health internships while studying important issues surrounding health and health care.

Student Organizations

Sociology majors are invited to participate in the Sociology Undergraduate Majors and Minors Association (SUMMA), which hosts academic and social events throughout the year. The department sponsors the Annual Student Research Conference in which students can present their work.

Awards

Awards available to sociology majors include the Robert K. Merton Award, the Sociology Prize, the Benjamin and Irma Robboy Award, and the Othella Vaughn Award.

Distinction in the Major

To receive Distinction in the Major, a student must have a minimum grade point average of 3.5 in all sociology courses and a minimum overall grade point average of 3.25.

Requirements for the Major

The major requires a minimum of eleven sociology courses, including a sequence of research methods courses, a sociological theory course, the writing capstone and six electives at various levels.

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

Department	Course #	Course Name	Hours	RCI
Sociology	elective	One course numbered under 3000 (except for 1167)**	3	
Sociology	3201	Statistical Methods in Sociology***	4	QB
Sociology	3241^^	Development of Sociological Thought	3	WI
Sociology	3261	Research Design and Methods***	4	
Sociology	4096	Senior Seminar	3	WI*
Sociology	elective	One course at any level	3	
Sociology	elective	One course at the 2000-level or above	3	
Sociology	electives	Three courses at the 3000-level or above	9	
Social Science	electives	Two cognate courses at the 2000+ level selected from the following: African American Studies, Anthropology, American Studies, Asian Studies, Criminal Justice, Economics, Environmental Studies, Geography & Urban Studies, History, Jewish Studies, Latin American Studies, Organizational Studies, Political Science, Psychology, Women's Studies	6	
<i>Select one Advanced Methods course:</i>			4	
Sociology	4001	Qualitative Research^	4	
	4002	<i>or</i> Data Analysis^		
Total			42	
*Indicates writing capstone for major				
**Prerequisite for courses numbered 3000+				
***Students must take 3201 prior to, or concurrently with, 3261				
^Students must complete 3201 & 3261 before taking either of the advanced methods courses, 4001 or 4002				
^^pending approval				

Requirements for the Health Track in Sociology

The health track in Sociology requires a minimum of eleven sociology courses, including a sequence of research methods courses, a sociological theory course, the writing capstone, and six electives at various levels. For health track majors, one 2000+ level elective and two 3000+ level electives must be designated as health-related Sociology electives. Additionally, two 2000+ level electives from outside Sociology must be designated as health-related. All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

Department	Course #	Course Name	Hours	RCI
Sociology	elective	One course numbered under 3000 (except for 1167)**	3	
Sociology	3201	Statistical Methods in Sociology***	4	QB
Sociology	3241^^	Development of Sociological Thought	3	WI
Sociology	3261	Research Design and Methods***	4	
Sociology	4096	Senior Seminar*	3	WI
Sociology		One course at any level	3	
Sociology	electives	One course at the 2000-level or above	3	
Sociology	electives	Three courses at the 3000-level or above	9	
Health-related courses - Select three of the following health-related electives to fulfill the above requirement:				
Sociology	2522	Sociology of Self		
Sociology	2530	Selected Topics in Medical Sociology		
Sociology	2552	Health and Disease in American Society		
Sociology	2553	Sociology of Aging		
Sociology	2572	Sex and Society		
Sociology	3511	Sociology of the Environment		
Sociology	3521	International Health		
Sociology	3530	Selected Topics in Medical Sociology		
Sociology	3546	Sexuality and Gender		
Sociology	3559	Health and Reproduction		
Sociology	3582	Independent Study in Medical Sociology		
Sociology	3596	Sociology of Organizations		WI
Sociology	3597	Introduction to Population Studies: Demography		WI
Elective	Elective	Two health-related courses. See advisor for approved list.	6	
Select one Advanced Methods course:			4	
Sociology	4001	Qualitative Research ^		
	4002	or Data Analysis ^		
Total			42	
*Indicate writing capstone for major				
**Prerequisite for courses numbered 3000+				

***Students must take 3201 prior to or concurrently with 3261.		
^ Students must complete 3201 & 3261 before taking either of the advanced methods courses, 4001 or 4002.		
^^pending approval		

Requirements for the Minor in Sociology

The minor in sociology requires a minimum of six courses.

Department	Course #	Course Name	Hours	RCI
Sociology	elective	One course under the 3000-level except for Sociology 1167	3	
Sociology		One course at any level	3	
Sociology		One course at the 2000-level or above	3	
Sociology		Three courses at the 3000-level or above	9	
Minor Total			18	

Requirements for the Minor in the Sociology of Health

The minor in the sociology of health requires a minimum of six courses, three of which are health related. This program is not open to Sociology majors or Health Track in Sociology majors.

Department	Course #	Course Name	Hours	RCI
Sociology	elective	One course under the 3000 level except Sociology 1167	3	
Sociology		One course at any level	3	
Sociology		One course at the 2000 level or above	3	
Sociology		Three courses at the 3000 level or above	9	
Minor Total			18	
Health-related courses - Select three:			9-10	
Sociology	2522	Sociology of Self		
Sociology	2530	Selected Topics in Medical Sociology		
Sociology	2552	Health and Disease in American Society		
Sociology	2553	Sociology of Aging		
Sociology	2572	Sex and Society		
Sociology	3511	Sociology of the Environment		
Sociology	3521	International Health		
Sociology	3530	Selected Topics in Medical Sociology		
Sociology	3546	Sexuality and Gender		
Sociology	3559	Health and Reproduction		
Sociology	3582	Independent Study in Medical Sociology		
Sociology	3596	Sociology of Organizations		WI
Sociology	3597	Introduction to Population Studies: Demography		WI
Minor Total			18-19	

Requirements for the Certificate in Health Research

The certificate in health research requires five courses, including a health-related sequence and research methods. This program is not open to Sociology majors or Health Track in Sociology majors.

Department	Course #	Course Name	Hours	RCI
Sociology	2552	Health & Disease in American Society	3	
Sociology	3201	Statistical Methods*	4	QB
Sociology	3261	Research Design & Methods*	4	
<i>Select one from the following list:</i>			4	
Sociology	4001	Qualitative Research*		
Sociology	4002	Data Analysis*		
Health-related courses - Select one:			3	
Sociology	2522	Sociology of Self		
Sociology	2530	Selected Topics in Medical Sociology		
Sociology	2552	Health & Disease in American Society		
Sociology	2553	Sociology of Aging		
Sociology	2572	Sex & Society		
Sociology	3511	Sociology of the Environment		
Sociology	3521	International Health		
Sociology	3530	Selected Topics in Medical Sociology		
Sociology	3546	Sexuality & Gender		
Sociology	3559	Health & Reproduction		
Sociology	3582	Independent Study in Medical Sociology		
Sociology	3596	Sociology of Organizations		WI
Sociology	3597	Introduction to Population Studies: Demography		WI
Certificate Total			18-19	
*Students must take 3201 prior to or concurrently with 3261.				
**Students must complete 3201 & 3261 before taking either of the advanced methods courses, 4001 or 4002.				

Spanish & Portuguese

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The Department of Spanish and Portuguese provides instruction in the languages, cultures and literatures of Spain, Spanish America and the Luso-Brazilian world. It also teaches specialized courses in Business, Legal and Medical Spanish, including their translation. Coursework at the undergraduate level in Spanish or Portuguese develops proficiency of the four basic skills: speaking, listening, reading, and writing. Opportunities are also available for the in-depth study of Hispanic and Luso-Brazilian culture. Students may participate in special programs, including an intensive immersion program in Spanish and Latin American Studies; service learning and internships in areas of business, social service, and education in Philadelphia; and diverse programs abroad. Temple's computer language center, the Special Learning Environment for the Foreign Languages, is available to students of all proficiency levels.

Spanish and Portuguese organizations and activities include, for instance, the Scholarly Publications of the Society of Spanish and Spanish-American Studies and the recognition of outstanding students as they are inducted into Sigma Delta Pi, the National Hispanic Honor Society. Moreover, the department faculty remains very active in research.

Graduates of the Department of Spanish and Portuguese find careers in a wide range of areas, including education, business, government, and social service.

Requirements for the Major (Minor, Certificate, Concentration)

Students selecting the Spanish major must achieve competence in Spanish language skills in conjunction with qualifications outlined in Major Options I, II, or III listed below. Spanish 3096 (the capstone course) is a requirement of all majors and a prerequisite for all 4000-level courses. Spanish 2096 (Composition & Conversation), or permission of instructor, is a prerequisite for most upper-level courses. All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are listed below and are identified by "WI" in the RCI column.

Major Option I: (Language, Literature and/or Linguistics)

This option is designed for students who wish to develop advanced language skills in the study of (1) Latin American Literature, (2) Peninsular Literature, and/or (3) Linguistics. A total of 10 courses is required.

Department	Course #	Course Name	Hours	RCI
Spanish	1003	Intermediate I	3	LB

Spanish	2000+	A maximum of two electives may be selected at the 2000-level.	0-6	
Spanish	2096	Composition & Conversation (prerequisite for most 3000-level courses)	3	WI
Spanish	3096	Advanced Writing Skills	3	WI*
Spanish	3000+	A maximum of three electives may be selected at the 3000-level**	0-9	
Spanish	4000+	A minimum of three electives must be selected at the 4000-level.	9	
Total			30	
*Indicates writing capstone for the major.				
**A maximum of seven required and elective courses may be selected at the 2000- and 3000-levels, depending on proficiency.				
Note: Up to two Portuguese courses may be taken in place of two Spanish 2000/3000-level courses.				

Major Option II: Language and Professional Studies

This option is designed for students who wish to develop language and professional skills as well as an awareness of Hispanic culture. A total of ten courses is required.

Department	Course #	Course Name	Hours	RCI
Spanish	1003	Intermediate I	3	LB
Spanish	2096	Composition & Conversation	3	WI
Spanish	2000+	A maximum of two courses may be selected at the 2000-level.	0-6	
Spanish	3000-4000 level	Three Business/Medical/Legal/Translation courses	9	
Spanish	3096	Advanced Writing Skills	3	WI*
<i>Select one Literature course from:</i>			3	
Spanish	3121	Introduction to Spanish Literature		
	3141	Introduction to Spanish American Literature		
<i>Select at least two Advanced Spanish courses:</i>			6+	
Spanish	4000+	Minimum of two courses required at the 4000-level.		
Total			30	
* Indicates writing capstone for the major.				
Note: Up to two Portuguese courses may be taken in place of two Spanish 2000/3000-level courses.				

Major Option III: Spanish for Education

This option includes the Spanish-language courses required for certification in Spanish for Secondary Education in the College of Education at Temple and satisfies the requirements for the Spanish major in the College of Liberal Arts. A total of 10 courses is required.

Department	Course #	Course Name	Hours	RCI
Two required writing-intensive courses:			6	
Spanish	2096	Composition & Conversation		WI
Spanish	3096	Advanced Writing Skills		WI*
<i>One Composition & Conversation course:</i>			3	
Spanish	1076	Intensive Practice in the Four Skills		
Spanish	2001	Conversational Review		
Spanish	2002	Hispanic Readings		
Spanish	2011	Advanced Skills for Spanish Speakers		
Spanish	2076	Advanced Intensive Practice in the Four Skills		
Spanish	3002	Hispanic Readings II		
Spanish	3003	Advanced Grammar & Linguistics Concepts		
<i>One Culture & Civilization course:</i>			3	
Spanish	3204	Latin America through Film		
Spanish	3221	Spanish Culture & Civilization		
Spanish	3222	Contemporary Spain through Film		
Spanish	3241	Spanish-American Culture & Civilization		
Spanish	3261	Hispanic Mind		
<i>One Linguistics course:</i>			3	
Spanish	4301	Spanish Phonetics		
Spanish	4302	Introduction to Spanish Linguistics		
Spanish	4303	Spanish/English Contrasts		
Spanish	4304	Spanish Applied Linguistics		
Spanish	4305	History of Spanish Language		
Spanish	4306	Spanish Sociolinguistics		
<i>One Contemporary Literature course:</i>			3	
Spanish	4132	Contemporary Spanish Novel		
Spanish	4142	Spanish American Short Story		
Spanish	4144	Latin American Poetry		
Spanish	4146	National Literatures of Spanish America		
Spanish	4147	20th Century Puerto Rican Authors		
Spanish	4148	Latin American Literature of Social Conflict		
<i>One additional Literature course:</i>			3	
Spanish	3121	Introduction to Spanish Literature		
Spanish	3141	Introduction to Spanish American Literature		
Spanish	4121	Survey of Spanish Literature II		
Spanish	4126	Cervantes: Don Quijote		
Spanish	4161	Hispanic Literature through Art or one additional contemporary literature course from the above list		
Spanish	4401	The Art of Translation		

Spanish		Three electives (Spanish 1003 may be taken as one of these)	9	
Total			30	
* Indicates capstone for the major				
Note: In order to complete the 10-course requirement, students must add additional courses at the 3000- or 4000-level, depending on proficiency.				
Note: Spanish 2096 is a prerequisite for many Spanish courses at the advanced levels.				

Distinction in Major

Distinction in Spanish is awarded to majors who graduate with a 3.75 in their Spanish courses and an overall GPA of at least 3.25.

Minor in Spanish

A total of six courses is required.

Department	Course #	Course Name	Hours	RCI
Spanish	1003	Intermediate I (or equivalent) prerequisite	0-3	LB
Spanish	2000+	A maximum of three courses at the 2000-level	0-9	
Spanish	3000+	A minimum of three courses. All literature and linguistics courses at the 3000-level may be used.	0-18	
Spanish	4000+	All literature and linguistics courses may be used to satisfy the minor*	0-18	
Total			18	
*Depending on the level of proficiency.				

Minor in Portuguese

Department	Course #	Course Name	Hours	RCI
Portuguese	1001	Elements of Portuguese I*	4	
Portuguese	1002	Elements of Portuguese II*	4	LA
Portuguese	3000/4000 level	Select courses from the 3000- and 4000- level, with a minimum of two 4000-level courses	6-12	
Total			18	
* Students may substitute intermediate or advanced level courses for the beginning 1001 and 1002.				

Certificate of Specialization in Multilingual Business and Government Studies

The department offers a 54-hour program leading to a B.A. degree with an additional specialization in Multilingual Business and Government Studies. The program is designed for students who plan careers as interpreters and translators, employment in government agencies, or a career in business with firms that have import/export activities in Latin America. It consists of

courses in the Spanish language, Business Spanish, Translation Skills, Business Administration and Economics, Political Science, and Latin American Studies.

The program is open to all students, applicants need not be Spanish majors, and no background in business subjects is required. While these courses are normally taken within the 123 hours required for the B.A. degree in the College of Liberal Arts, the program is open to students in all colleges of the university. Students from most colleges who have the proper background can usually complete the program with careful schedule planning and use of electives.

A maximum of 20 hours of transfer equivalency will be accepted. Students interested in the program should contact the Director of the Multilingual Business and Government Studies Program in the Spanish and Portuguese Department, Fourth Floor, Anderson Hall (215-204-1707).

Certificate of Specialization in Spanish

A Certificate of Specialization in Spanish is also available. The certificate requires completion of six courses, beginning with Basic Spanish and advancing to more specialized study of Spanish designed to enhance career opportunities in business, communication, government, and social service. See your advisor or contact the department for more information.

Department	Course #	Course Name	Hours	RCI
Spanish	1001	Basic I	4	LA
Spanish	1002	Basic II	4	LA
Spanish	1003	Intermediate I	3	LB
Spanish	2001	Conversational Review	3	
Spanish	2096	Composition & Conversation	3	WI
Spanish	3000+	Select one 3000-level course	3	
Total			20	

Certificate of Specialization in Spanish and Latin American Studies for Business

This interdisciplinary certificate is designed to allow Temple students in business-related programs to develop skills and knowledge in two complementary areas so that they may compete more successfully in this growing job market.

Course Requirements for the Business Certificate:

Department	Course #	Course Name	Hours	RCI
<i>Select three of the following courses:</i>			9-11	
Spanish	1001	Basic I		LA
Spanish	1002	Basic II		LA
Spanish	1003	Intermediate I		LB
Spanish	2001	Conversational Review		
Spanish	2096	Composition & Conversation		WI

Spanish	2002	Hispanic Readings		
Spanish	3002	Hispanic Readings II		
Spanish	1076/2076	Intensive Practice/Advanced Intensive Practice in the Four Skills*		
		Note: Students participating in Spanish 1076 must also complete Spanish 2002.		
<i>Select one course in Spanish for Business Professions:</i>			3	
Spanish	3501	Spanish for Business Professions		
Spanish	3502	Business Spanish I		
Spanish	3503	Business Spanish II		
Spanish	3504	Business Translation & Interpretation		
LAS	1001	Perspectives on Latin America <i>or</i> Completion of Latin American Studies Semester**	3	IS
<i>Select one course in Business:</i>			3	
IBA	2502	Fundamentals of Latin American Business		
LAS	2502	Fundamentals of Latin American Business		
Total			18-20	

* Spanish 1076 and 2076 count as two courses; each is 9 s.h., taught in connection with Latin American Studies Semester (LASS), an immersion program offered every spring.

** LASS is an integration of several courses totaling 17 s.h. 9 credits are assigned to language instruction, 6 credits to culture and society, taught under LAS 2101, and 2 credits for the LASS Seminar. All instruction in LASS is in Spanish.

Certificate of Specialization in Spanish and Latino Studies for the Health and Human Services Professions

The combination of courses in this certificate program is designed to make participants especially qualified to provide health and human services to members of the Latino community.

Course Requirements for the Health and Human Services Certificate:

Department	Course #	Course Name	Hours	RCI
<i>Select three of the following courses:</i>			9-11	
Spanish	1001	Basic I		LA
Spanish	1002	Basic II		LA
Spanish	1003	Intermediate I		LB
Spanish	2001	Conversational Review		
Spanish	2096	Composition & Conversation		WI
Spanish	2002	Hispanic Readings		
Spanish	1076/2076	Intensive Practice/Advanced Intensive Practice in the Four Skills (LASS)*		

Spanish	2011	Advanced Skills for Spanish Speakers		
<i>Complete the following:</i>			3	
Spanish	3601	Spanish for Health & Human Services		
<i>Select one of the following:</i>			3	
Latin American Studies	1001	Perspectives on Latin America		IS
	2101	or Latin America through Film & Fiction**		
<i>Select one of the following:</i>			3	
Latin American Studies	3020	Topics in Latino Studies		
	2072	or Puerto Ricans in Philadelphia		
Total			18-20	

*Spanish 1076 and 2076 count as two courses; each is 9 s.h. and taught in connection with Latin American Studies Semester (LASS), an immersion program offered every spring.

**LASS is an integration of several courses totaling 17 s.h. 9 credits are assigned to language instruction, 6 credits to culture and society, taught under LAS 2101, and 2 credits for the LASS Seminar. All instruction in LASS is in Spanish.

Latin American Studies Semester Certificate and Program

Each spring semester, the Spanish and Portuguese Department, in conjunction with the Latin American Studies Center, offers a 17-credit-hour immersion program in Latin American Studies and Spanish. The program (LASS) combines 9 hours of intensive Spanish with 6 hours of study focusing on geography, history, and culture in Latin America, and 2 hours of the LASS Seminar, and includes a two-week trip to Mexico. Successful completion of the program is awarded with a certificate of participation. Applications for LASS are received during October and November for the following spring. For information, contact the Director of Latin American Studies (215-204-7527) or the chair of Spanish and Portuguese Department (215-204-8285). Also, visit the Latin American Studies [page](#) in this *Bulletin*.

Spring in Spain Program (New in 2008)

The Temple Semester in Spain Program takes place over the spring semester in Oviedo, Spain. The 15-credit program combines coursework with faculty from the International Program at the University of Oviedo and a Temple faculty member, who directs the program. All courses are pre-approved for Temple University credit. Courses focus on aspects of Spanish language, Spanish culture, and Spanish literature. The program develops Spanish skills over a semester of intensive study in a Spanish-speaking environment; it also provides the opportunity to complete

a number of Spanish courses that may be used to satisfy the requirements for the Temple Minor or Major in Spanish. It includes an initial orientation week in Madrid. In Oviedo, lodging and meals are with Spanish families. For information, contact the Office of International Programs or Dr. Jaime Duran (jduran@temple.edu), the Program Director, in the Department of Spanish and Portuguese.

Summer Abroad in Spain: Spanish Language and Culture

Temple University's summer program in Oviedo, Spain, provides students with the opportunity to learn the Spanish language while being immersed in that country's unique and diverse culture. The duration of the program is five weeks; students may enroll for a total of 6 credits. For further information, contact the Department of Spanish and Portuguese or the Office of International Programs.

Summer Abroad in Brazil: Portuguese Language and Brazilian Culture

Temple University offers a six-week summer program in Salvador, Bahia, Brazil; students may enroll for a total of 6 credits. The program offers Portuguese language studied both at the elementary and more advanced levels. It also offers an intensive examination of culture in the state of Bahia; this aspect of the program focuses on history, politics, music, and dance, and it spotlights African origins and Afro-Brazilian influences on regional culture. For further information, contact the Department of Spanish and Portuguese or the Office of International Programs.

Junior Year and/or Summer School Abroad

Students declaring a concentration in the department may, under certain conditions, spend their junior year studying abroad. Application for permission to study abroad may be made during the second semester of the sophomore year. Only well-qualified students may be granted credit from Temple University after submitting proper credentials for established foreign study programs at institutions approved by the department. Students interested in a junior year abroad, or a summer school abroad, should discuss their plans early with their faculty advisor and the chair of the department.

Service Learning and Internships

Students of Spanish and Portuguese may participate in courses providing service learning opportunities through project SHINE (Students Helping in the Naturalization of Elders) as a part of their coursework. For students of Business Spanish, service learning opportunities are available through the Small Business Development Center at Temple. Spanish majors are encouraged to participate in a Spanish internship combining study and work opportunities in a variety of contexts in the Philadelphia area.

Women's Studies

Patricia Melzer, Director and Advising Coordinator
816 Anderson Hall
215-204-6953
pmelzer@temple.edu

811 Anderson Hall
215-204-6954
www.temple.edu/womenstu

Women's Studies offers a cohesive framework of inquiry for the examination of women, gender, and sexuality in the U.S. and around the world, as they relate to other social categories, such as race, class, disability, nationality, and ethnicity. As an interdisciplinary field, Women's Studies takes into account social, historical, and cultural variables in its study of women's material and cultural experiences as a social group; the examination of the workings of gender as an analytical category, identity, and social force; and the social, political, and cultural functioning of sexuality. Women's Studies also seeks to transform traditional fields of study by incorporating new methodologies, data, theories, and frameworks developed by feminist scholars.

Temple University's Women's Studies Program is part of the College of Liberal Arts. It offers an undergraduate major and minor, as well as a certificate for students outside the College of Liberal Arts. In preparation for graduate school, Women's Studies majors have the opportunity to graduate with distinction in the major after completing an honors thesis.

The Women's Studies Program offers students the opportunity to study women, gender, and sexuality through an interdisciplinary curriculum taught by faculty from various departments across the university. Students learn to apply the methods and theories of social scientists, historians, philosophers, literary critics, etc., to the study of women's experiences, as well as gender and sexual identities. They explore a growing body of feminist theories that revise our understanding of gender, society, and culture. We encourage students not only to understand intellectually the importance of class, race, sexuality, physical ability, and gender to people's lives but also to learn actively through fieldwork (community internship). After graduation, Women's Studies students enter professional schools in law, medicine and business; take graduate degrees in women's studies, the humanities and social sciences; and pursue careers in health, counseling, teaching, and public advocacy.

Major Requirements

Department	Course #	Course Name	Hours	RCI
<i>Two introductory Women's Studies courses:</i>			6	
Women's Studies	1301	Essential Issues in Women's Studies		
Women's Studies	1000-level			
<i>Eight Women's Studies electives, of which at least six must be upper-level (over 2000)*</i>			24	
At least one of the electives above (at any level) must be writing-intensive, ending in -96, -97, or -98.				WI

<i>Two-course sequence: **</i>				
Women's Studies	4389	Field Work in Women's Studies	3	
Women's Studies	4396	Research Seminar (Capstone Course)	3	WI
Total			36	

*Majors will be permitted to take two of these eight courses outside Women's Studies (courses that are not cross listed) with the written permission of the advising coordinator. These courses must support the student's academic or professional growth in conjunction with the major (e.g. a research methods course in another discipline for which the student will write on a subject related to gender or courses taken in a study abroad program).

**The final requirement for the major is a two-course sequence. This sequence should be taken during the major's last three semesters of enrollment. Students will select a field assignment with the assistance of the advising coordinator. This sequence is designed for students to learn how to write a research paper.

Distinction in Major

Women's Studies students may graduate with a distinction in the major if they have a GPA of 3.5 or better in the major, a cumulative GPA of 3.0 or better, and successfully complete an honors thesis (minimum 3 credits) under the supervision of a faculty member from Women's Studies.

Minor Requirements

Department	Course #	Course Name	Hours	RCI
Women's Studies	Electives	Six electives in Women's Studies. At least three of these six are at the upper level (above 2000). See major requirements for examples.	18	
Women's Studies	1301	Essential Issues in Women's Studies	3	
Total			21	

Certificate in Women's Studies

Designed for students outside the College of Liberal Arts who want to pursue a Women's Studies oriented career.

Department	Course #	Course Name	Hours	RCI
Women's Studies	1076 <i>or</i> 1096	Introduction to Women's Studies	3	IN IN/WI
Women's Studies	4389	Field Work in Women's Studies	3	

Women's Studies	Two Electives	Two electives in Women's Studies. At least one of these two courses must be at the upper level.	6	
Total			12	

BOYER COLLEGE OF MUSIC & DANCE

Founded 1962

Dr. Robert T. Stroker, Dean
 2001 N. 13th Street
 Philadelphia, PA 19122
 215-204-8301
music@temple.edu
www.temple.edu/boyer

Mission

The Boyer College of Music and Dance is committed to nurturing and advancing music as a form of human expression, as an art, and as a subject for intellectual inquiry. Recognizing that music possesses unique powers -- to move the spirit, to excite the mind, to reveal the past, to chart the future, to instruct, to heal, and to foster communication -- the college seeks to perpetuate music in its myriad forms through creative and scholarly work, teaching, and service, according to the highest artistic and academic standards.

As an integral part of Temple University, the Boyer College shares the ideals of Russell Conwell upon which Temple was founded: to recognize talent and personal potential wherever they may be found; to provide educational opportunities for meritorious students of limited financial means; and to serve as a constructive presence in the wider Philadelphia community.

In carrying out its mission, the Boyer College seeks both to continue the long tradition of artistry and scholarship that we have inherited and to develop new insights, perspectives, and practices. This dual objective -- to explore both past and future, old and new -- should be broadly reflected in the life of the college: in curricula and instruction; institutional policy; professional activities of faculty; advisement of students; and musical performances.

For the art of music to remain vital, our culture must develop both highly-trained, professional musicians and informed, perceptive listeners. Accordingly, the college recognizes its responsibility to administer professional education to the student seeking a career in music, provide opportunities for the general university student to study and experience music, and share its musical life with the public.

The Boyer College provides a distinctive union of the best conservatory-type training with intense academically-oriented classroom teaching. Coupled with the performance opportunities of the university and the culturally-rich Philadelphia area, the Boyer College offers students the

competitive edge in complete, comprehensive musical preparation. Many programs throughout the university offer minors. Students who wish to pursue a minor outside of music should contact the appropriate department.

Accreditation

National Association of Schools of Music, National Association of Schools of Dance, Middle States Association, National Council for Accreditation of Teacher Education, Pennsylvania Department of Education, and American Music Therapy Association.

Music Admission

The following requirements for admission to the college are to be considered minimal. Applicants who pass the following examinations may be recommended to the Director of Admissions as eligible for admission to the college. In addition, candidates must meet general requirements set by the Office of Undergraduate Admissions.

- An audition in the major performing medium and a series of tests must be completed before an applicant can be accepted into the Boyer College of Music and Dance.
- After submitting the completed application, **the applicant is responsible for scheduling his/her audition** and the theory test date that is most convenient. Call 215-204-6810 or e-mail music@temple.edu to schedule your audition.
- Entrance examinations are given in the Boyer College, Presser Hall, which is located on the northeast corner of 13th and Norris Streets. The examinations are given to all entering freshmen and transfer students planning to pursue any of the various music curricula at Temple University. The primary objective of the tests is to determine potential and achievement in music. Students will be tested on fundamentals (scales, key signatures, intervals, triads, etc.) and ability to read and notate music; these exams are used primarily for placement but are sometimes considered in the admission process.
- The freshman and transfer **application deadline is March 1**. Applicants for admission to the spring semester must take the tests in December, and applications must be received no later than November 1. Call 215-204-6810, e-mail music@temple.edu or visit the Boyer web site for [specific audition dates](#).
- If the applicant is unable to be present because of distance, a national or a recorded audition may be acceptable. National auditions are scheduled in several U.S. cities. Please refer to the [Boyer College web site](#) for specific cities and dates. Please clearly mark the recording (CD, VHS, or other format) with your name, instrument, contact information, degree program, and repertoire. Students must have an application on file before audition recordings are reviewed. Tapes should be sent to:

Mr. James Short, Director of Music Admissions
Temple University, Boyer College of Music and Dance
Presser Hall

2001 N. 13th Street
Philadelphia, PA 19122

- Prospective composition majors should submit three (3) representative scores at the time of their audition.
- Prospective theory majors should arrange for an interview with the Chair of the Theory Department.

Transfer Credits

In addition to the university's statement regarding transfer credit (see [Undergraduate Admissions](#)), the Boyer College of Music and Dance will, during New Student Orientation, determine all transferred music credits through placement exams. Where deemed necessary, students may be tested in music theory, music history, and secondary piano. Tests in other music areas may be arranged through individual departments.

Financial Aid

Financial aid is available to full-time undergraduates in the form of music grants, academic scholarships, loans, grants, music grants-in-aid, and work-study programs. Also see [Financial Aid](#) in this *Bulletin*.

Financial aid awards are made after the student has been admitted as a fully-matriculated student. Students are to be enrolled full-time, unless prior permission is granted to do otherwise by the Associate Dean.

Music Grants are awarded based on merit. No separate application is required. The Boyer College has application and audition deadlines for priority music scholarship consideration. Contact the Boyer College at 215-204-6810, or consult the [Boyer College web site](#) for current deadlines.

Music scholarships and awards for currently enrolled and graduating undergraduate and graduate students include, but are not limited, to the following:

- Esther Boyer Music Endowment Fund
- Esther B. Griswold Voice Scholarship
- Peter Vennett Piano Scholarship
- Garrigues Foundation
- Presser Foundation Scholarship
- Dr. Arthur Bennett Lipkin Memorial String Scholarship
- Dr. Millard Gladfelter Tribute Scholarship
- Dr. David Stone Tribute Scholarship Award
- Irving Berlin Scholarships
- Else Fink Voice Scholarship
- Howard Chivian Memorial Award

- E. M. Yarnell Scholarship
- Elizabeth K. Frescoln Award
- Jeffrey Yagoda Memorial Award
- Dr. John Henry Heller, Jr. Memorial Award
- Dr. Milton J. Sutter, Jr. Memorial Award
- Elizabeth Smith String Scholarship
- Arronson Student Aid Fund
- Ruth Lafferty Award
- J. Earl Ness Scholarship
- Clifford Taylor Scholarship
- Florence Berggren Voice Grant
- David M. Katz Scholarship
- Bruce Archibald Scholarship
- Dr. Elaine Brown Tribute Award
- Max Aronoff Prize
- J.H. and E.L.M. Beach Book Award
- Dr. B. Stimson Carrow Award
- Emily and Arthur Crosby Award
- Douty Scholarship
- Roscoe Gill Scholarship
- Jacobs Music Company Steinway Award
- Williams and Carmen Middleberg Scholarship
- Jack Moore Memorial Percussion Scholarship
- Helen Laird Tribute Award
- Klara Meyers Tribute Award
- Schnader Memorial Award
- Esther M. Schultz Award
- William Singer Memorial Award
- Albert Tashjian Prize
- Alice Tully Scholarship
- Gerald Wingenroth Scholarship
- Stuart J. Best Memorial Scholarship Fund
- Professor Robert Grooters Memorial Scholarship Fund
- Sarah A. Hilsendager Dance Education Scholarship
- Frances Hutton Memorial Award
- Louis and Peter Vennett Scholarship
- Glenn Steele Percussion Scholarship
- Immordino Family Percussion Scholarship

Special Programs

Music Technology Component

In addition to coursework leading to Bachelor's degrees in Music, the Boyer College of Music and Dance offers a 36-credit component in Music Technology to qualified music majors. This component, which is distributed over a student's freshman through senior years, normally results in a five-year program.

The music technology component provides a structured sequence of courses for those students who desire to use new technologies to enhance their skills as performers, composers, teachers, and scholars. Courses focus on the creative, performance, and pedagogical aspects of music technology. See Music Technology Component under [Programs](#) and [Music Education](#).

Music Preparatory Division and Community Music Program of the Boyer College of Music and Dance

Mark Huxsoll, Director
www.temple.edu/boyer/musicprep/index.htm
215-204-1512

Temple Music Prep provides lifelong, non-credit learning opportunities in music and dance to the Greater Philadelphia community. As a division of Temple University's Boyer College of Music and Dance, Music Prep is uniquely able to combine university expertise with Philadelphia's outstanding cultural assets, assuring excellence in experience and results.

Programming includes Early Childhood Music Foundations beginning with newborns, Movement and Dance Classes for children through teens, individual instruction in all instruments and voice, and classes specially designed for adults. Music Prep is also an authorized provider of Act 48 credits for Pennsylvania educators.

A major component is the Center for Gifted Young Musicians, which serves those students with exceptional ability and motivation. The Community Music Scholars Program serves students with need from over fifty public schools, allowing access to affordable quality instruction.

Temple Music Prep is a member of the National Guild of Community Schools of the Arts and the Greater Philadelphia Cultural Alliance.

Key Program Components:

- **Individual lessons** from an outstanding faculty in orchestral instruments, piano, guitar, voice, composition and jazz techniques are offered for children and adults.

Suzuki instruction in violin, flute and piano is also offered for young children. In the "talent education method" of Dr. Shinichi Suzuki, children learn to play music with the same enjoyment and fluency with which they learn language.

- **Early Childhood Music Foundations** is an innovative program in early childhood music education that has a national reputation for excellence. In a carefully planned sequence of music learning, the program uses the natural human inclination for chanting, singing and movement as the first steps in the musical understanding of melody and rhythm.
- **Movement and Dance** classes take children through a sequential, age-specific dance program. Offerings include: Creative Movement (3 & 4 yrs.), Music and Movement (5 through 7 yrs.), Modern Dance (8 yrs. through teens in three levels) and Ballet Technique (pre-teens & teens).

- **Basic Musicianship** classes are offered in three progressive levels. The goal of these classes is to develop musicianship by integrating aural, written, vocal, and tactile skills. By using movable “Do” solfege, students learn to make the connection between musical notation and sound. Level three is also offered as an advanced standing music theory course, earning a high school senior college credit at the Boyer College of Music and Dance.
- **Adult classes** are designed to provide opportunities for personal growth and professional development. Offerings include: classes in learning to play piano, learning to sing or in Suzuki piano teacher training; lectures to prepare music listeners for their next concert or opera; workshops in instrument repair; as well as individual study in instruments and voice. Pennsylvania educators are eligible to receive Act 48 credit for most of these offerings.
- The **Music Therapy Clinic** is a collaborative program between Temple Music Preparatory and the Music Therapy Program of Temple University's Boyer College of Music and Dance. It is a place where the therapeutic potentials of music therapy are made available to children, adolescents and adults with varying types of special needs.
- **The Center for Gifted Young Musicians** is the component of Music Prep that focuses on the training of exceptionally-gifted students who have the ability and willingness to make a serious commitment to music. By audition only.

Instrumental Division (for strings)

The Center's instrumental program provides a comprehensive package of music instruction and performance for young musicians who have demonstrated the greatest potential for musical achievement. Emphasis in this program is placed on the development of superior musical skills through large and small ensemble performance. The faculty is made up of the finest artist/teachers in the region, including members of The Philadelphia Orchestra and professors from Temple's own Boyer College of Music and Dance.

Children's Choral Division

The Children's Choir is designed for outstanding young singers, male (unchanged voices) and female, ages eight to eighteen. The choir focuses on expressive singing built upon a foundation of good vocal technique and musicianship. Singers perform repertoire representing diverse world cultures and a wide range of styles. The choir is made up of three groups: a training choir for beginning choral singers, a full concert choir, and a small chamber/touring choir.

The Festival of Young Musicians

The Festival of Young Musicians has long been the centerpiece of the Center for Gifted Young Musicians. Held annually in late April/early May, it consists of a series of concerts throughout the region that feature all the performers in the Center.

- **The Community Music Scholars Program** provides weekly individual instruction, music theory and ensemble experience at a nominal fee for young instrumentalists. These Philadelphia school students with need are nominated by their school music teachers and accepted by audition.

The Boyer College of Music Preparatory and Extension Division is located at Temple University's Center City Campus, 1515 Market Street, in the heart of metropolitan Philadelphia at the hub of the Regional Transit System.

For further information concerning curricula and fees, write to: Temple Music Preparatory Division, 1515 Market Street, Suite 501, Philadelphia, PA 19102, or e-mail: musicprep@temple.edu or phone: 215-204-1512. You can also visit the web site at: www.temple.edu/boyer/musicprep.

Facilities

Presser Hall, opened in 1967, is the center of musical activity at Temple University. This building houses practice rooms, classrooms, ensemble rehearsal rooms, teaching studios, faculty offices, a 16-station computer classroom, student and faculty lounges, a large listening and viewing library, and the Presser Learning Center. Presser Hall's performance facilities include Klein Recital Hall and Arronson Rehearsal Hall. Presser Hall houses the Music Studies Department, the Music Education Department, the wind, brass, and Percussion programs of the Instrumental Department, the Choral Activities Department, the Department of Voice and Opera, and the programs in Music Therapy and Jazz Studies.

The nationally recognized Presser Learning Center, located on the first floor of Presser Hall, houses over 6,000 books, recordings, periodicals, videotapes, audio tapes, classroom instruments, and other materials used in the preparation of music teachers and music therapists. Included in the computer classroom is the hardware and software necessary for future teachers and therapists to become knowledgeable about the role of computers in music and administration.

The Presser Hall Listening Library houses a collection of more than 10,000 recordings and tapes, 6,000 compact discs, hundreds of video tapes and DVDs, reference books, and scores. Music listening and viewing assignments for courses in music history, theory, composition, jazz, education, and literature can be completed with this collection, which spans music history and performance from the earliest times to the present. A larger collection of music books and scores is found in Paley Library.

The Boyer College's newest facility, Rock Hall, was extensively renovated for music and dedicated in 1994 in recognition of the generous support of Dr. Milton Rock and the late Mrs. Shirley Rock. Located at Broad Street and Cecil B. Moore Avenue on Temple University's Main Campus, Rock Hall houses the Office of the Dean, the string and chamber music programs of the New School Institute, the programs in Music Composition, the Keyboard Department, the Early Music Program, the Alice Tully Library, three state-of-the-art computer/electronic laboratories for music and dance, practice rooms, classrooms, and a 325-seat chamber music recital hall.

The Experimental MIDI studio in Rock Hall features a variety of voice modules controlled by a computer workstation, a multi-channel mixer, and digital and analog recording facilities. Students are encouraged to design their own libraries of timbres for use in composition. The computer synthesis studio uses several computer workstations with expanded disk memory,

digital and analog recording equipment, and a broad range of software for music synthesis. Most hardware and software titles in the Boyer College Computer Labs are identical to those in the new TECH Center's dedicated Music Lab, enabling students to work on projects in multiple venues.

The Boyer College's Department of Dance has its administrative, faculty, institute, and student offices housed in 1700 North Broad Street. Dance classes are held in three large dance studios in Pearson Hall where there are additional support spaces as well as two small teaching studios for smaller groups. Dance classes and performances are held in Conwell Dance Theater in Conwell Hall, a 125-seat black box theater.

Also utilized by the Boyer College is the third floor of Mitten Hall where the Temple Opera Theater's rehearsal, administrative and faculty offices are housed along with the Opera Listening and Study Library, and the scene, costume, and prop shops. The Howard Gittis Student Center fourth floor houses several Boyer College administrative and faculty offices, along with rooms for classes, ensemble rehearsals, and lessons. Tomlinson Theater, located across the street from Presser Hall, is used for on-campus large ensemble performances and for the twice yearly staged opera productions. A 55-seat smart classroom for music and dance instruction is housed in the Tuttleman Learning Center.

Academic Advising Center

Margo Jackson
Assistant Director of Undergraduate Advising
Presser Hall
2001 N. 13th Street
215-204-2229
margo@temple.edu

All Bachelor of Music and Bachelor of Science in Music students will be assigned a permanent faculty advisor. Students are required to meet with their advisor prior to registering for classes for the following semester. The advisor listing is posted on the first floor of Presser Hall.

Academic advisors attempt to avoid errors when advising students about their program requirements, but schools and colleges cannot assume liability for errors in advising. Therefore, students must assume primary responsibility for knowing the requirements for their degree and for acquiring current information about their academic status.

Boyer College Policies for Music Students

Please see the [Undergraduate Academic Policies](#). Students are responsible for complying with all university-wide academic policies as well as those of the Esther Boyer College of Music and Dance that appear below.

Band Camp and Choir Retreat Policy

Each fall, prior to the opening of school, the Temple University Marching Band holds its annual band camp. In addition to having a concentrated four-day work period to prepare for the coming season, students get to know each other in both a working and social relationship. They also become acquainted with the group directors at both the personal and professional levels. Attendance at band camp is mandatory for group participation.

The Temple University Concert Choir often meets a few days prior to fall classes or during the first weekend of fall classes for extensive rehearsals.

Ensemble Requirements

- Undergraduate students with a major or concentration in voice or keyboard are required to participate in a choral ensemble, as determined by the director of Choral Activities, throughout the undergraduate degree program where indicated by the curriculum. Participation begins in the first semester and continues until a baccalaureate degree is obtained. The requirement is waived during the semester of senior recital, internship, or student teaching.
- Music Education/Jazz Studies majors whose concentration is voice are required to participate in both classical and jazz vocal ensembles. After advisement to determine which kind of ensemble is appropriate, these students should go to the director of Choral Activities to be placed in a classical ensemble and to the coordinator of Jazz Studies to be placed in a jazz ensemble.
- Undergraduate students with a major or concentration in strings are required to play in the Temple University Symphony Orchestra. Participation begins in the first semester and continues until a baccalaureate degree is obtained. Qualified jazz strings and upright bass students are required to audition. This requirement is waived during the semester of student teaching or internship.
- All woodwind, brass, and percussion performance majors and concentrations must audition for instrumental ensembles, large and small, each semester. Continuing students will audition for ensemble placement through juries at the end of each semester. New students will audition for ensemble placement at the beginning of the first semester of study.
- Music education majors whose principal instrument is woodwind, brass, or percussion are required to play in the marching band for two semesters, normally during the fall semester of the freshman and sophomore years. Transfer students in this category must also register for Marching Band for two semesters unless they can show evidence of equivalent undergraduate experience at another college or university as determined by the director of athletic bands.
- All students taking private lessons (major or concentration) or Recital Extensions are required to participate in an ensemble each semester in attendance.
- Percussion majors are required to participate in Percussion Ensemble.

- Any instrumental student who does not play for a private lesson jury at the end of each semester must arrange for an audition for ensemble placement for the succeeding semester with the Department of Instrumental Studies.
- Students may perform in more than two ensembles only with permission of their advisor.
- All students must show evidence of ensemble experience in their performance medium.
- All students who concentrate in string, woodwind, and brass instruments who are registered for lessons must arrange their schedules in order to attend regularly-scheduled master/studio classes. Failure to do so may result in the lowering of the applied lesson grade.

Independent Study Policy

Independent Study provides a special opportunity for juniors and seniors to work in a highly-individualized setting with one or more faculty members.

Those who wish to design an Independent Study project must prepare a written proposal six months in advance of the semester in which the study is to be accomplished. This proposal is then submitted for the approval of a special Honors subcommittee of the Academic Planning and Review Committee, which includes the dean and associate dean. Private lessons beyond those required in the curriculum are not an appropriate form of Independent Study.

Professional Development Policy

All students in the college, in addition to passing the required subjects toward their degrees, are obligated to serve in a number of capacities in order to enrich their academic and musical expertise. The Boyer College believes that such experiences give impetus to successful professional careers. Among the duties that may be required are conducting laboratory classes, tutoring, teaching private lessons, coaching, participating in the distribution and inventory control of university-owned musical instruments and instructional materials, participating in ensembles, accompanying, supervising performance classes, performing at admission and open house events, and other academically-related activities. The Boyer College performances must be given priority over non-college commitments.

Instrumental Jury Policy

All instrumental students, both performance majors and instrumental concentration students, must play a jury at the conclusion of each semester to show evidence of progress on their instrument. For string performance majors, the jury at the end of the sophomore year is the 'Junior Standing Jury,' which must be successfully passed in order for the student to continue in the performance program.

Recital and Concert Attendance Policy

The dean and faculty of the Boyer College of Music and Dance consider recital and concert attendance to be a significant educational activity in the training of a musician. It is largely through the process of active listening that the young musician develops powers of discrimination and critical judgment with relation to musical performance. Therefore, attendance at a minimum of sixteen college recitals or concerts throughout the course of an academic year is mandatory for full-time undergraduate students. Part-time, matriculated undergraduate students are also responsible for attending a specific number of concerts in a direct ratio to the number of credits for which they are registered. During student teaching, therapy internship, or senior recital, this requirement is waived. A maximum of 56 recitals is needed to complete the requirement. The requirement for full-time transfer students will be based on the number of semesters they attended the Boyer College. Failure to comply with this ruling may result in delay of graduation from the college.

Senior Recitals Policy

Students in the following curriculums are required to perform a senior recital: Piano Performance, Piano Pedagogy, Instrumental Performance, Voice Performance, Jazz Instrumental Performance, Jazz Voice Performance, and Jazz Arranging/Composition. The senior recital provides the opportunity for the performance major to display his or her development and potential as a professional musician and should be considered the focal point for the semesters of private lessons which precede it. Before the senior recital is scheduled, the student (1) must have successfully completed private lessons during **each semester** prior to the recital and (2) must have achieved senior status academically. All grades of "incomplete" in private lessons must be cleared before the student may apply for the senior recital. Students should refer to the Boyer College of Music and Dance Undergraduate Handbook for further details and policies governing recitals.

After receiving approval from the jury and the major teacher in the applied area, a student should apply for the Senior Recital date and complete the necessary recital arrangements through the recital coordinator.

For students enrolled in the Instrumental Studies Department, the recital approval jury serves to demonstrate the student's ability to perform the degree recital successfully. Normally, this occurs at the preceding semester's jury. If by departmental approval this jury does not occur, then a jury must be scheduled at least four weeks prior to the recital. **If the jury is not successfully completed by that time, the Instrumental Studies Department reserves the right to cancel the recital date.** Most of the recital repertoire, with the exception of chamber ensemble works, should be available for performance at the jury and accompanied by the recital accompanist. Recital approval is dependent upon the time remaining between the approval jury and the actual recital date, as well as the degree of preparedness of the repertoire.

Except for non-sonata and complicated contemporary repertoire, string performance majors should perform from memory (and the recital program should include some portion that will be performed from memory). Students who wish an exception to this memorization policy must

obtain prior approval from the department by indicating the request on the recital repertoire form when it is submitted to the department for approval of the program.

Senior Recitals are usually presented Monday through Friday at 5:15 PM or 7:30 PM. Performance time should be 45 to 50 minutes, exclusive of an optional intermission of no more than 10 minutes.

Recital Extension Policy

Some students may need to extend their applied study beyond the required number of semesters in order to complete the preparation for the Senior Recital. Students who do not present a recital during the recital semester will receive the grade of "Incomplete" and must register for Music 5000: *Recital Extension* for 2 semester hours of non-degree credit. *Recital Extension* must be taken each semester until the recital has been presented. The sole exceptions to this rule are as follows:

- Students who give their recitals during the first three weeks of the spring semester are not required to register for *Recital Extension* that semester.
- Students who register for *Recital Extension* or for private lessons during the summer may give their recitals during the first three weeks of the fall semester. However, if a student does not register for either *Recital Extension* or lessons during the summer, he or she may not present the recital in the fall semester -- regardless of the date -- without also registering for that semester of lessons or *Recital Extension*.
- Private applied lessons beyond the eight-semester requirement currently in effect for undergraduate performance majors may be taken by permission of the jury and/or the appropriate performance department chairman. Music 5000: *Recital Extension* carries a \$400 fee (subject to change without notice). Tuition scholarships do not cover this private lesson fee.

Program Performance Policy

All music departments reserve the right to dismiss an undergraduate student at any time from a given undergraduate degree program, regardless of grade point average, if in the opinion of the major department, he or she is unable to meet departmental standards. The decision will receive automatic review by the Academic Review and Planning Committee. The student has the right to appeal the dismissal to the Academic Review and Planning Committee of the Boyer College of Music and Dance.

Undergraduate Private Lesson Policy

Weekly one-hour private lessons are arranged for full-time matriculated undergraduates in the Boyer College for as many semesters as required by the particular curriculum. (A full-time student must be registered for at least 12 credits each semester.) A per semester lesson fee of \$200 (subject to change without notice) -- above and beyond the regular tuition -- will be automatically added to the tuition charge of each student for this study. Students who do not

complete a minimum of 12 semester hours must pay a private lesson fee of \$400 for the succeeding semester of private lessons. Students who are accepted for a double concentration or a double major in performance must be fully accepted by both departments by audition. A private lesson fee of \$400 is assessed for the second instrument. Approval of the associate dean is required for all students desiring a double major or double concentration. Tuition scholarships granted by the Boyer College do not cover the private lesson fees.

General College Graduation Requirements - Music

- All music education students must maintain a 3.0 GPA to obtain permission to student teach and qualify for state teacher certification.
- All music therapy students must receive a grade of B- or better in all music therapy classes. Grades below B- in any music therapy course may not be applied toward degree requirements in music therapy. Students may retake such courses only once, only with faculty approval. If a grade below B- is earned upon retaking the course, the students will not be permitted to continue as a music therapy major, but may be eligible to change to a different curriculum.
- All Boyer College music students must attend a minimum number of College recitals each semester to qualify for graduation. Refer to the Recital and Concert Attendance Policy for more detailed information.
- All Boyer College music students are required to participate in specific ensembles as determined by their department. Refer to the Ensemble Requirement Policy for more detailed information.
- Students in the following curriculums are required to perform a senior recital prior to graduation: Piano Performance, Piano Pedagogy, Instrumental Performance, Voice Performance, Jazz Instrumental Performance, Jazz Voice Performance, and Jazz Arranging/Composition. Refer to the Senior Recital Policy for more detailed information.
- All undergraduate music students must be cleared by the Associate Dean for Undergraduate Studies for graduation by the end of their junior year.
- All Temple students must take a minimum of two writing-intensive courses as part of the major. See the individual program of study for the specific courses that are required for music majors.

Please refer to the Boyer College [Policy Section](#) for a complete list of policies. Detailed requirements for each degree program are listed within the curriculum section of the *Bulletin*.

Please note that:

1. Certain courses fulfill multiple requirements. In consultation with an advisor, students will be able to plan their curriculum more effectively.
2. The total number of credit hours at graduation may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.

3. Students must fulfill the necessary prerequisites for any given course or course sequence. See the [Prerequisite and Co-requisite Policy](#) in the university-wide Academic Policies section in this *Bulletin*.

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

Student Contact Information

Boyer College of Music and Dance - MUSIC CONTACTS

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Music Faculty

Administration

Robert T. Stroker, Dean
Beth Bolton, Associate Dean
Edward Flanagan, Associate Dean
David Brown, Assistant Dean

Sue Alcedo, Director of Finance
Millie Bai, Librarian for the Alice Tully Library
Jason Bechtold, Manager of Choral Activities
Jennifer Bolcar, Administrative Assistant
Florence Brown-Palmore, Executive Assistant to the Dean
Anne Canan, Administrative Specialist
Tomeka Carr, Administrative Assistant for Music Education and Therapy
Leslie Cochran, Manager, Instrumental Studies
Barbara DiToro, Associate Director, Temple University Prep
Linda Fiore, Director of College Relations and External Affairs
Jackie Grier, Administrative Specialist
Anne Harlow, Reference Librarian, Samuel Paley Library
Lucas Henry, Presser Learning Center Assistant
Jason Horst, Associate Director, College Relations and External Affairs
Mark Huxsoll, Director, Temple University Prep
Margo Jackson, Assistant Director of Undergraduate Advising
James Johnson, Producer, Temple Opera Theater
Kristi Johnston, Associate Director of Recruitment and Financial Aid
Girard Kratz, Registrar, Temple University Prep
Janine Scaff, Director of Development
Eric Schweingruber, Director of Operations, Instrumental Studies
James Short, Director of Music Admissions and Recruitment
Tara Webb-Duey, Assistant Director, Development & Alumni Relations

Choral

Professor

Jeffrey Cornelius, B.A., King College; B.M., Westminster Choir College; M.M., Ed.D., Temple University.

Alan Harler, Chair, Department of Choral Activities and Laura H. Carnell Professor of Choral Music; Director, Temple University Concert Choir; Director, Graduate Choral Studies. B.M., Illinois Wesleyan University; M.M., University of Cincinnati College-Conservatory of Music.

Janet Yamron, B.S. in Education, M.Ed., Temple University; studies with Elaine Brown, Julius Herford, John Finley Williamson; Helmuth Rilling (Oregon Bach Festival).

Assistant Professor

Tram Sparks, B.M. (Piano Performance), M.M. (Choral Conducting), Temple University; M.M.A., D.M.A, Yale University; Interdisciplinary Studies, Yale Institute of Sacred Music, Edward Stanley Seder scholar.

Instrumental Studies

Professor

Luis Biava, Director of the Temple University Symphony Orchestra; Post Graduate Diploma in conducting, Manhattan School of Music; Diploma: Atlantico University (Colombia) and Academia Santa Cecilia (Rome); retired principal second violin and Conductor-in-Residence, The Philadelphia Orchestra.

Arthur D. Chodoroff, (Clarinet), Conductor, Wind Symphony, Director of Bands; M.M., Temple University; private studies (clarinet) with Joseph Gigliotti, Donald Montanaro, and William Stubbins; (conducting) Elizabeth A.H. Green.

Helen Kwalwasser, (Violin), Artistic Advisor, String Instruction; Private studies with Efrem Zimbalist at The Curtis Institute of Music and with Ivan Galamian at The Juilliard School; member of the New York Chamber Soloists; winner, Juilliard Award; 2006 ASTA Artist-Teacher Award.

Eduard Schmieder, (Violin), Laura H. Carnell Professor of Violin; graduate of the Mussorgsky Musical College in Leningrad and the Gnessin Music Academy in Moscow.

Glenn A. Steele, (Percussion), M.M., Temple University; private studies with Alan Abel, Charles Owen, and Fred Hinger.

Jeffrey Solow, (Cello), Chair, Department of Instrumental Studies; B.A. in Philosophy from UCLA; advanced studies with and assistant to Gregor Piatigorsky at USC; 2-time Grammy nominee; president of ASTA.

Assistant Professor

Matthew Brunner, D.M., Indiana University

Affiliate Faculty

Flute

David Cramer, Lecturer; B.M., The Curtis Institute of Music; private studies with Murray Panitz, William Hebert, and James Pappoutsakis; associate principal flute of The Philadelphia Orchestra.

Loren Lind, Lecturer; member of The Philadelphia Orchestra and Conwell Woodwind Quintet.

Kazuo Tokito, Lecturer; member of The Philadelphia Orchestra; graduate of Oberlin Conservatory and Indiana University School of Music.

Adeline Tomasone, Lecturer; B.M., The Curtis Institute of Music; private studies with Murray Panitz, Julius Baker, and Kenton F. Terry; principal flute with the Opera Company of Philadelphia, The Pennsylvania Opera Theater, and The Performance Organization; solo flute with the Davidsbund Chamber Players.

Oboe

Jonathan Blumenfeld, Lecturer; B.A., Haverford College; graduate of The Curtis Institute of Music; private studies with Richard Woodhams; member of The Philadelphia Orchestra.

Peter Smith, Lecturer; associate principal oboe of The Philadelphia Orchestra; member, Conwell Woodwind Quintet; graduate of The Curtis Institute of Music.

Richard Woodhams, Adjunct Professor; principal oboe of The Philadelphia Orchestra; private studies with John DeLancie at the Curtis Institute of Music.

Clarinet

Sam Caveizel, Lecturer, Associate Principal Clarinet, The Philadelphia Orchestra; graduate, The Curtis Institute.

Arthur D. Chodoroff, Professor, Conductor, Wind Symphony, Director of Bands; M.M., Temple University; private studies (clarinet) with Joseph Gigliotti, Donald Montannaro, and William Stubbins; (conducting) Elizabeth A.H. Green.

Paul Demers, Lecturer; M.M., DePaul University, member The Philadelphia Orchestra.

Ricardo Morales, Lecturer; Artist Diploma, Cincinnati College Conservatory; principal clarinet of The Philadelphia Orchestra.

Lawrence Wagner, Professor Emeritus; member, Conwell Woodwind Quintet; M.M., The Catholic University of America.

Bassoon

Angela Anderson, Lecturer; member of The Philadelphia Orchestra and Conwell Woodwind Quintet; graduate of University of New Mexico and University of Southern California.

Daniel Matsukawa, Lecturer; Principal Bassoon, The Philadelphia Orchestra; graduate, The Curtis Institute.

Jacob Smith, Lecturer; M.M., Temple University, member of the Chamber Orchestra of Philadelphia.

Saxophone

Marshall Taylor, Lecturer; M.M., Northwestern University; attended Conservatoire Nationale Superior de Musique and Université de Paris.

French Horn

Michael Johns, Lecturer; D.M.A., Temple University.

Jeffrey Kirschen, Lecturer; B.M., Temple University; Graduate of The Curtis Institute of Music, member of The Philadelphia Orchestra.

Jeffrey Lang, Lecturer;

Shelley Showers, Lecturer; member of The Philadelphia Orchestra and Conwell Woodwind Quintet; graduate of The Curtis Institute of Music.

Daniel Williams, Lecturer; member of The Philadelphia Orchestra, Diploma, The Curtis Institute of Music.

Trumpet

David Bilger, Lecturer; principal trumpet of The Philadelphia Orchestra. (By special arrangement)

Jeffrey Curnow, Lecturer; Associate Principal Trumpet, The Philadelphia Orchestra; former

member, Empire Brass Quintet.

Robert Earley, Lecturer; member of The Philadelphia Orchestra.

Eric Schweingruber, Lecturer; Director of Instrumental Ensembles, M.M., Temple University.

Trombone

Blair Bollinger, Lecturer; Graduate of The Curtis Institute of Music; bass trombone of The Philadelphia Orchestra. (By special arrangement)

Paul Bryan, Lecturer; M.M., Temple University; graduate of The Curtis Institute.

Nitzan Haroz, Lecturer; principal trombone of The Philadelphia Orchestra; graduate, The Juilliard School.

Philip McClelland, Lecturer; Graduate of The Curtis Institute of Music; private studies with Henry Smith and Dee Stewart.

Matthew Vaughan, Lecturer; Associate Principal Trombone, The Philadelphia Orchestra; graduate, Indiana University School of Music.

Tuba

Jay Krush, Lecturer; M.M., Northwestern University; private studies with Abe Torchinski, Cherry Beauregard, and Arnold Jacobs; founding member of The Chestnut Brass Company.

Percussion

Alan Abel, Adjunct Professor; Graduate of The Eastman School of Music; retired member of The Philadelphia Orchestra.

William Kerrigan, Lecturer.

Glenn A. Steele, Professor (Percussion); M.M., Temple University; private studies with Alan Abel, Charles Owen, and Fred Hinger.

Angela Zator-Nelson, Lecturer; M.M., Temple University; Member of The Philadelphia Orchestra.

Harp

Sophia Bruno, Lecturer; B.M., The Curtis Institute of Music; private studies with Marilyn Costello and Alice Chalifeaux; principal harpist with The Opera Company of Philadelphia.

Elizabeth Hainen, Lecturer, Principal Harp, The Philadelphia Orchestra.

Violin

Jonathan Beiler, Lecturer; B.A., Yale University; graduate study at Indiana University; private study with Broadus Erle, Syoko Aki, and Joseph Gingold; member of The Philadelphia Orchestra.

Davyd Booth, Lecturer; member of The Philadelphia Orchestra; graduate, New School of Music.

William dePasquale, Lecturer; Co-Concertmaster of The Philadelphia Orchestra (retired).

Kimberly Fisher, Lecturer; Principal Second Violin, The Philadelphia Orchestra.

Helen Kwalwasser, Professor (Violin), Artistic Advisor, String Instruction; Private studies with Efrem Zimbalist at The Curtis Institute of Music and with Ivan Galamian at The Juilliard School; member of the New York Chamber Soloists; winner, Juilliard Award.

Dmitri Levin, Lecturer; Member of The Philadelphia Orchestra.

Diane Monroe, Lecturer; Member of Uptown String Quartet.

Hirono Oka, Lecturer; Member of The Philadelphia Orchestra; graduate, Curtis Institute.
Charles Parker, Lecturer; B.A., State University of New York at Stony Brook; Artistic Director of the Davidsbund Chamber Players.
Booker Rowe, Lecturer; Member of The Philadelphia Orchestra.
Eduard Schmieder, Laura H. Carnell Professor of Violin; graduate of the Mussorgsky Musical College in Leningrad and the Gnessin Music Academy in Moscow.
Yumi Ninomiya Scott, Lecturer; Graduate of The Curtis Institute of Music; private studies with Jascha Brodsky, Ivan Galamian, and Paul Mekanawitsky; former member of the Curtis String Quartet; member of The Philadelphia Orchestra.
Barbara Sonies, Lecturer; M.S., The Juilliard School of Music.

Viola

Choong-Jin Chang, Lecturer; Principal viola, The Philadelphia Orchestra; graduate, Curtis Institute.
Che-Hung Chen, Lecturer; Acting Associate Principal Viola, The Philadelphia Orchestra; graduate, Curtis Institute.
Sidney Curtiss, Lecturer; Attended The Philadelphia Conservatory of Music; private studies with Leonard Mogill; member of The Philadelphia Orchestra.
Brett Deubner, Lecturer; graduate, Eastman School of Music.
Evelyn Jacobs Luise, Lecturer; Graduate of Temple University and The Curtis Institute of Music; private studies with Max Aronoff; principal viola of The Opera Company of Philadelphia and the Bethlehem Bach Festival.
Xiao Fu Zhou, Lecturer.

Cello

John Koen, Lecturer.
Kathryn Picht-Read, Lecturer; M.M., Boston University; private studies with Lowell Creitz, Gabriel Magyar, and George Neikrug; member of The Philadelphia Orchestra.
Jeffrey Solow, Professor; B.A., University of California at Los Angeles; advanced studies with Gregor Piatigorsky.

Double Bass

John Hood, Lecturer; member of The Philadelphia Orchestra; graduate, University of Michigan.
Anne Peterson, Lecturer; Graduate of The New School of Music.
Robert Kesselman, Lecturer; member of The Philadelphia Orchestra; graduate, Curtis Institute.

Classical Guitar

Allen Krantz, Lecturer; M.A. in early music performance practice, Stanford University; private studies with Michael Lorimer, Robert Strizich, and Stanley Beautens.

Jazz Studies

Professor

Terrell Stafford, Director of Jazz Studies and Ensembles. M.M., Rutgers University.
Dick Oatts, (Saxophone), Professor of Jazz Studies.

Associate Professor

Edward Flanagan, Associate Dean for Student Affairs, Associate Professor Jazz Studies.
Ph.D., Temple University.

Instructor

Ben Schachter, Lecturer in Saxophone and Jazz Theory. M.M., New England Conservatory.

Affiliate Faculty

Bruce Barth, Lecturer in Jazz Piano and Jazz Composition. M.M., New England Conservatory.

Mike Boone, Lecturer in Jazz Bass. B.M., Eastman School of Music.

Luis Bonilla, Lecturer in Jazz Trombone. M.M., Manhattan School of Music.

Carla Cook, Lecturer in Jazz Voice. B.S., Northeastern University.

Norman David, Lecturer in Jazz Arranging. D.M.A., Temple University

Craig Ebner, Lecturer in Jazz Guitar. B.M., Harrt School of Music

Steve Fidyk, Lecturer in Jazz Drums. M.M., University of Maryland.

Michael Frank, Lecturer in Jazz Piano and Jazz Theory. M.M., The University of the Arts.

Tom Giacabetti, Lecturer in Jazz Guitar and Ensemble.

Greg Kettinger, Lecturer in Jazz Theory and Ensemble. B.M., Temple University.

Tom Lawton, Lecturer in Piano and Ensemble.

Dan Monaghan, Lecturer in Jazz Theory and Ensemble. B.M., Temple University.

Michael Natale, Lecturer in Trumpet, Ensemble, and Improvisation.

Joanna Pascale, Lecturer in Jazz Voice. B.M., Temple University.

Madison Rast, Lecturer in Jazz Bass. M.M., Virginia Commonwealth.

Jaleel Shaw, Lecturer in Jazz Saxophone. M.M., Manhattan School of Music.

Julie Snyder, Lecturer in Jazz Voice. M.M., Temple University.

John Swana, Lecturer in Jazz Trumpet. B.M., Temple University.

Kim Tucker, Lecturer in Business of Music. B.S., Chestnut Hill College.

Keyboard

Professor

Alexander Fiorillo, (Piano), M.M., The Catholic University of America; private studies with Victor Babin and Vladimir Horowitz.

Lambert Orkis, (Piano), Coordinator of the Master of Music Piano Accompanying and Chamber Music Program; M.M., Temple University; private studies with Eleanor Sokoloff and Maryan Filar.

Maria del Pico Taylor, (Piano), Coordinator of Class Piano; M.M., Northwestern University; private studies with Pauline Lindsey, Paul Stassevich, Adele Marcus, and Dorothy Taubman.

Harvey Wedeen, (Piano), Chair; M.S., The Juilliard School of Music; private studies with Robert and Gaby Casadesus, Alexander Borovsky, Adele Marcus, and Isabella Vengerova.

Associate Professor

Charles Abramovic, (Piano), D.M.A., Temple University; private studies with Leon Fleisher and Harvey Wedeen.

Joyce Lindorff, (Harpsichord and Piano), D.M.A., The Juilliard School of Music .

Affiliate Faculty

Joann Marie Kirchner, Lecturer in Keyboard; Ph.D., University of Oklahoma; M.M., Temple University; Pedagogy studies with Reid Alexander and Jane Magrath; private studies with Harvey Wedeen.

Oleg Maslov, Lecturer in Keyboard; D.M.A., Temple University; M.M., Kharkov State Conservatory; Postgraduate Studies, Kiev State Conservatory; studies with Regina Horowitz and Harvey Wedeen; winner, Ukrainian National Piano Competition, 1979.

Irina Yurkovskaya

Music Education and Music Therapy

Professor

Kenneth E. Bruscia, Coordinator of Music Therapy Programs, Ph.D., New York University

Cheryl Dileo, Ph.D., Louisiana State University

Deborah A. Sheldon, Chair of Music Education and Music Therapy, Ph.D., Florida State University

Robert Stroker, Ph.D., Michigan State University

Darrel Walters, Ph.D., University of Michigan

Janet Yamron, M.Ed., Temple University

Associate Professor

Ken Aigen, D.A., New York University

Beth Bolton, Ph.D., Temple University

Darlene Brooks, Ph.D., Temple University

Alison Reynolds, Ph.D., Temple University

Affiliate Faculty - Lecturers

Brad Biederman M.M.T., Temple University - Guitar Methods

Joke Bradt, Ph.D., Temple University - Music Therapy

Dena Condrón, M.M.T., Temple University - Music Therapy

Roger Harrington, M.M.Ed., College of New Jersey - String Methods

Michael Johns, D.M.A., Temple University - Brass Methods

Patricia McCarrick-Dix, Ph.D., Temple University - Music Education Methods

Kathleen Murphy, M.M.T., Temple University - Music Therapy

Phillip O'Banion, M.M., University of Colorado – Boulder - Percussion Methods

Lindsay Weightman, D.M.A., Manhattan School of Music - Keyboard Harmony

Debra Wolfe, Ph.D., Temple University - Music Education Methods

Affiliate Faculty - Student Teacher Supervision

Michael Norris, B.S., West Chester University - Student Teaching Coordinator

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Jill Reese, Ph.D. Candidate, Temple University

Heather Russell, Ph.D. Candidate, Temple University

Hugh Williamson, Ph.D. Candidate, Temple University

Debra Wolfe, Ph.D., Temple University

Music Studies: Composition

Professor

Matthew Greenbaum, Ph.D., City University of New York.

Maurice Wright, Coordinator of Music Composition; Laura H. Carnell Professor of Music; D.M.A., Columbia University.

Associate Professor

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Music Studies: Music History

Associate Professor

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Steven Kreinberg, Ed.D., Temple University.

Stephen Willier, Ph.D., University of Illinois.

Steven Zohn, Coordinator of Music History; Ph.D., Cornell University.

Affiliate Faculty

Edith Saltzberg, Lecturer in Music History; M.M., Temple University.

Martha Schleifer, Lecturer in Music History; Ph.D., Bryn Mawr College.

Robert Wiemken, Lecturer in Early Music Ensembles; M.A., Washington University.

Music Studies: Theory

Professor

John Johnson, M.M., University of Texas.
Jan Krzywicki, M.M., Philadelphia Musical Academy.

Associate Professor

Alexander Brinkman, Ph.D., Eastman School of Music.
Cynthia Folio, Ph.D., Eastman School of Music.
Michael Klein, Chair; Ph.D., SUNY, Buffalo.

Assistant Professor

Edward Latham, Ph.D., Yale University.

Affiliate Faculty

Jeremy Gill, Ph.D., University of Pennsylvania.

Voice and Opera

Professor

Phillip Cho, M.M. and Opera Diploma, The Juilliard School of Music; Honorary Doctor of Music, Duquesne University; private studies with Jan Peerce, Mme. Freschl, and Jennie Tourel.
William Stone, D.M.A., University of Illinois; M.M., Duke University.

Associate Professor

Christine Anderson, Chair; D.M.A., College Conservatory of Music, University of Cincinnati; private studies with Andrew White, Lorenzo Malfatti, Helen Laird, and John Alexander.
John Douglas, M.M., Bowling Green University.

Assistant Professor

Lawrence Indik, D.M.A., Manhattan School of Music.

Affiliate Faculty

David Arnold, Lecturer in Voice.
Elise Auerbach, Vocal Coach; M.M., College Conservatory of Music, University of Cincinnati.
Lorie Gratis, Lecturer in Voice; D.M.A., Temple University, M.M., Opera, The Curtis Institute of Music; M.M., Performance and Literature, The Eastman School of Music; M.M., West Chester University.

George Gray, Lecturer in Voice; B.M.E., Westminster Choir College, Mannes College of Music, Academy of Vocal Arts; M.M. (Opera), Temple University.

Leland Kimball, Lecturer in Voice.

Roberta Knie, Lecturer in Voice.

Inyoung Lee, Lecturer in Voice.

Randi Marrazzo, Lecturer in Voice; M.M., Catholic University.

William M. Mayo, Lecturer in Voice; M.M., Temple University.

Carlos Serrano, Lecturer in Voice; Artist's Diploma, The Curtis Institute of Music; Studies at the Academy of Vocal Arts.

Donald St. Pierre, Lecturer in Voice.

Benita Valente, Lecturer in Voice.

Copeland Woodruff, Lecturer in Voice.

Emeritus Faculty

Professor

David L. Stone (1916 - 2001), Founding Dean

Helen Laird, Dean Emeritus

Florence Berggren

Matthew Colucci

Roger Dean

Marian Demand

Paul Epstein

Maryan Filar

Arthur Frank

Allen M. Garrett

Edwin E. Gordon

George McKinley

Eve R. Meyer

Klara B. Meyers

June Ottenberg

Mildred Parker

Gail Poch

George Sementovsky

Jonathan Sternberg

Lawrence Wagner

Associate Professor

Sophia Melvin

Assistant Professor

Greta M. Csonka

Music Technology Component

In addition to coursework leading to Bachelor's degrees in Music, the Boyer College of Music & Dance offers a 36-credit component in Music Technology to qualified music majors. This component, which is distributed over a student's freshman through senior years, normally results in a five-year program of study.

The music technology component provides a structured sequence of courses for those students who desire to use new technologies to enhance their skills as performers, composers, teachers, and scholars. Courses focus on the creative, performance, and pedagogical aspects of music technology. An example of how the Music Technology component can be incorporated into a five-year option can be found in the Program Description section of this *Bulletin* under the [Music Education Department](#). Students interested in adding the component to their curriculum should contact their respective chair for further information and specific curriculum guidelines.

Performance, Vocal Instruction

Christine Anderson, Chair
215-204-8375
cla@temple.edu

The training provided by the Voice Department emphasizes vocal technique and repertoire in a challenging program of vocal development. Performance progress is closely guided through private lessons, juries, and recital performances. The program of study prepares singers for careers in concert and recital performance, opera and private teaching.

Bachelor of Music: Voice Performance

Freshman Year – 1st Semester				
Department	Course	Course Name	Hours	RCI
Music	1203	Voice Major	3	
Music	1405	Secondary Piano for Music Majors	1	
Music	Varies	Choral Ensemble	1	
Music	1711	Theory I	4	
English	0802	Analytical Reading & Writing	4	GW
		Foreign Language I	4	
Subtotal			17	
Freshman Year – 2nd Semester				
Department	Course	Course Name	Hours	RCI
Music	1204	Voice Major	3	
Music	1406	Secondary Piano for Music Majors	1	
Music	Varies	Choral Ensemble	1	
Music	1712	Theory II	4	
GenEd	08xx	Quantitative Literacy	4	GQ

		Foreign Language II	4	
Subtotal			17	
Sophomore Year – 1st Semester				
Department	Course	Course Name	Hours	RCI
Music	2203	Voice Major	3	
Music	2405	Secondary Piano for Music Majors	1	
Music	Varies	Choral Ensemble	1	
Music	2711	Theory III	4	
Music	1225	English Diction	1	
Music	2703	Music in History	3	
IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			16	
Sophomore Year – 2nd Semester				
Department	Course	Course Name	Hours	RCI
Music	2204	Voice Major	3	
Music	2406	Secondary Piano for Music Majors	1	
Music	Varies	Choral Ensemble	1	
Music	2712	Theory IV	4	
Music	2704	Music in History	3	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Subtotal			15	
Junior Year – 1st Semester				
Department	Course	Course Name	Hours	RCI
Music	3203	Voice Major	3	
Music	Varies	Choral Ensemble	1	
Music	3296*	Vocal Repertoire	3	WI
Music	4226	Diction Skills I	1	
Music	2323	Basic Conducting	1	
French	1001	French I	4	
GenEd	08xx	U.S. Society	3	GU
Subtotal			16	
Junior Year – 2nd Semester				
Department	Course	Course Name	Hours	RCI
Music	3204	Voice Major	3	
Music	Varies	Choral Ensemble	1	
Music	4227	Diction Skills II	1	
Music	3268	Vocal Repertoire	2	
French	1002	French II	4	
GenEd	08xx	Science & Technology I	3	GS

GenEd	08xx	Race & Diversity	3	GD
Subtotal			17	
Senior Year – 1st Semester				
Department	Course	Course Name	Hours	RCI
Music	4203	Voice Major	3	
Music	Varies	Choral Ensemble	1	
Music	4228	Opera Workshop	3	
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	Science & Technology II	3	GS
Subtotal			13	
Senior Year – 2nd Semester				
Department	Course	Course Name	Hours	RCI
Music	4284	Voice Major	3	
Music	3696	Music in History	3	WI
Music	4225	Vocal Pedagogy	2	
Music	4229	Opera Workshop	2	
GenEd	08xx	World Society	3	GG
Subtotal			13	
Degree Total			124	

*pending approval

Performance, Keyboard/Piano Instruction

Harvey D. Wedeen, Chair
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The Keyboard Department emphasizes training for careers in performance, piano accompaniment and chamber music, piano pedagogy, and piano and opera coaching.

Bachelor of Music: Piano Performance

Freshman Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	1403	Piano Major	4	
Music	1428	Accompanying & Piano Ensemble	1	
Music	Varies	Choral Ensemble	1	
Music Studies	1711	Theory I	4	
English	0802	Analytical Reading & Writing	4	GW
GenEd	08xx	U.S. Society	3	GU

Subtotal			17	
Freshman Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	1404	Piano Major	4	
Music	1429	Accompanying & Piano Ensemble	1	
Music	Varies	Choral Ensemble	1	
Music Studies	1712	Theory II	4	
Music Studies	08xx	Race & Diversity	3	GD
GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			17	
Sophomore Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	2403	Piano Major	4	
Music	1428	Accompanying & Piano Ensemble	1	
Music	Varies	Choral Ensemble	1	
Music Studies	2711	Theory III	4	
Music Studies	2703	Music in History	3	
IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			16	
Sophomore Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	2404	Piano Major	4	
Music	1429	Accompanying & Piano Ensemble	1	
Music	Varies	Choral Ensemble	1	
Music Studies	2712	Theory IV	4	
Music Studies	2704	Music in History	3	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Subtotal			16	
Junior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	3403	Piano Major	4	
Music	1428	Accompanying & Piano Ensemble	1	
Music	1415	Introduction to Piano Pedagogy	2	
Music	3443	Listening & Learning Skills for Pianists I	3	
GenEd	08xx	Science & Technology I	3	GS
GenEd	08xx	Human Behavior	3	GB
Subtotal			16	
Junior Year – 2nd semester				

Department	Course #	Course Name	Hours	RCI
Music	3404	Piano Major	4	
Music	1429	Accompanying & Piano Ensemble	1	
Music	3415	Pedagogy of Children	2	
Music	3444	Listening & Learning Skills for Pianists II	3	
GenEd	08xx	Science & Technology II	3	GS
GenEd	08xx	World Society	3	GG
Subtotal			16	
Senior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	4403	Piano Major	4	
Music	4510	Instrumental Ensemble	1	
Music	3422	Keyboard Literature I	3	
Music Studies	3696	Music in History	3	WI
Music Elective		Music Elective	2	
Subtotal			13	
Senior Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	4484	Piano Major	4	
Music	4510	Instrumental Ensemble	1	
Music	3423	Keyboard Literature II	3	
Music Studies	3796	Music in History	3	WI
Elective		Elective	2	
Subtotal			13	
Degree Total			124	

Performance, Keyboard/Harpsichord Instruction

Harvey D. Wedeen, Chair
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The Keyboard Department emphasizes training for careers in performance, piano accompaniment and chamber music, piano pedagogy, and piano and opera coaching.

Bachelor of Music: Harpsichord Performance

Freshman Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	1603	Harpsichord Major	4	
Music	1428	Accompanying & Piano Ensemble	1	

Music	Varies	Choral Ensemble	1	
Music Studies	1711	Theory I	4	
English	0802	Analytical Reading & Writing	4	GW
GenEd	08xx	U.S. Society	3	GU
Subtotal			17	

Freshman Year – 2nd semester

Department	Course #	Course Name	Hours	RCI
Music	1604	Harpsichord Major	4	
Music	1429	Accompanying & Piano Ensemble	1	
Music	Varies	Choral Ensemble	1	
Music Studies	1712	Theory II	4	
GenEd	08xx	Race & Diversity	3	GD
GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			17	

Sophomore Year – 1st semester

Department	Course #	Course Name	Hours	RCI
Music	2603	Harpsichord Major	4	
Music	1428	Accompanying & Piano Ensemble	1	
Music	Varies	Choral Ensemble	1	
Music Studies	2711	Theory III	4	
Music Studies	2703	Music in History	3	
IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			16	

Sophomore Year – 2nd semester

Department	Course #	Course Name	Hours	RCI
Music	2604	Harpsichord Major	4	
Music	1429	Accompanying & Piano Ensemble	1	
Music	Varies	Choral Ensemble	1	
Music Studies	2712	Theory IV	4	
Music Studies	2704	Music in History	3	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Subtotal			16	

Junior Year – 1st semester

Department	Course #	Course Name	Hours	RCI
Music	3603	Harpsichord Major	4	
Music	1428	Accompanying & Piano Ensemble	1	
Music	1415	Introduction to Piano Pedagogy	2	
Music	3443	Listening & Learning Skills for Pianists I	3	
GenEd	08xx	Science & Technology I	3	GS

GenEd	08xx	Human Behavior	3	GB
Subtotal			16	
Junior Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	3604	Harpsichord Major	4	
Music	1429	Accompanying & Piano Ensemble	1	
Music	3415	Pedagogy of Children	2	
Music	3444	Listening & Learning Skills for Pianists II	3	
GenEd	08xx	Science & Technology II	3	GS
GenEd	08xx	World Society	3	GG
Subtotal			16	
Senior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	4603	Harpsichord Major	4	
Music	4510	Instrumental Ensemble	1	
Music	3422	Keyboard Literature I	3	
Music Studies	3696	Music in History	3	WI
Music		Music Elective	2	
Subtotal			13	
Senior Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	4684	Harpsichord Major	4	
Music	4510	Instrumental Ensemble	1	
Music	3423	Keyboard Literature II	3	
Music Studies	3796	Music in History	3	WI
Music		Music Elective	2	
Subtotal			13	
Degree Total			124	

Performance, Piano Pedagogy

Harvey D. Wedeen, Chair
215-204-8648
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The Keyboard Department emphasizes training for careers in performance, piano accompaniment and chamber music, piano pedagogy, and piano and opera coaching.

Bachelor of Music: Piano Pedagogy

Freshman Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	1403*	Piano Major	4	
Music	1428	Accompanying & Piano Ensemble	1	
Music	1415	Introduction to Piano Pedagogy	2	
Music	3421	Suzuki for Pianists	2	
Music Studies	1711	Theory I	4	
English	0802	Analytical Reading & Writing	4	GW
Subtotal			17	
Freshman Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	1404*	Piano Major	4	
Music	1429	Accompanying & Piano Ensemble	1	
Music	2415	Pedagogy of Technique	2	
Music	Varies	Choral Ensemble	1	
Music Studies	1712	Theory II	4	
GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			16	
Sophomore Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	2403*	Piano Major	4	
Music	1428	Accompanying & Piano Ensemble	1	
Music Studies	2711	Theory III	4	
Music Studies	2703	Music in History	3	
IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			15	
Sophomore Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	2404*	Piano Major	4	
Music	2416	Creative Activities for the Piano Teacher	2	
Music Studies	2712	Theory IV	4	
Music Studies	2704	Music in History	3	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Subtotal			16	
Junior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	3403*	Piano Major	4	
Music	3422	Keyboard Literature I	3	

Music	3415	Pedagogy of Children	2	
Music Studies	4717	Counterpoint	3	
Music Studies	3696	Music in History	3	WI
Subtotal			15	
Junior Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	3404*	Piano Major	4	
Music	3423	Keyboard Literature II	3	
Music	3416	Pedagogy of the College Non-Music Major	2	
GenEd	08xx	U.S. Society	3	GU
GenEd	08xx	Race & Diversity	3	GD
Subtotal			15	
Senior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	4403*	Piano Major	4	
Music	1428	Accompanying & Piano Ensemble	1	
Music Studies	2105	Jazz Secondary Piano	1	
Music Studies	3741	Keyboard Harmony	3	
GenEd	08xx	Science & Technology I	3	GS
GenEd	08xx	World Society	3	GG
Subtotal			15	
Senior Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	4484*	Piano Major	4	
Music	1429	Accompanying & Piano Ensemble	1	
Music	2406	Secondary Piano for Music Majors (Jazz)	1	
Music Studies	3796	Music in History	3	WI
GenEd	08xx	Science & Technology II	3	GS
GenEd	08xx	Human Behavior	3	GB
Subtotal			15	
Degree Total			124	

*Piano major sequence (Music 1403, 1404, 2403, 2404, 3403, 3404, 4403, and 4484) requires a minimum of four (4) hours of daily practice.

Instrumental Studies, Instrumental Performance

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The Instrumental Major program centers on intensive coaching and private study with a renowned faculty of teachers, many of whom are members of The Philadelphia Orchestra and other professional performing organizations. Opportunity to perform a vast repertoire abounds in the number and types of ensemble experiences available. The programs of study provide the training necessary to compete in the professional performance world.

Bachelor of Music: Instrumental Performance

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	1503	Instrumental Major	4	
Music	Varies	Instrumental Ensemble	1	
Music	Varies	Instrumental Ensemble	1	
Music	1405	Secondary Piano for Music Majors	1	
Music Studies	1711	Theory I	4	
English	0802	Analytical Reading & Writing	4	GW
Subtotal			15	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI

Music	1504	Instrumental Major	4	
Music	Varies	Instrumental Ensemble	1	
Music	Varies	Instrumental Ensemble	1	
Music	1406	Secondary Piano for Music Majors	1	
Music	4570	Orchestral Repertoire	1	
Music Studies	1712	Theory II	4	
GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			16	

Sophomore Year – 1st Semester

Department	Course #	Course Name	Hours	RCI
Music	2503	Instrumental Major	4	
Music	Varies	Instrumental Ensemble	1	
Music	Varies	Instrumental Ensemble	1	
Music	2405	Secondary Piano for Music Majors	1	
Music Studies	2711	Theory III	4	
Music Studies	2703	Music in History	3	
IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			17	

Sophomore Year – 2nd Semester

Department	Course #	Course Name	Hours	RCI
Music	2504	Instrumental Major	4	
Music	Varies	Instrumental Ensemble	1	
Music	Varies	Instrumental Ensemble	1	
Music	2406	Secondary Piano for Music Majors	1	
Music Studies	2712	Theory IV	4	
Music Studies	2704	Music in History	3	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Subtotal			17	

Junior Year – 1st Semester

Department	Course #	Course Name	Hours	RCI
Music	3503	Instrumental Major	4	
Music	Varies	Instrumental Ensemble	1	
Music	Varies	Instrumental Ensemble	1	
Music	2323	Basic Conducting	1	
Music Studies	3696	Music in History	3	WI
GenEd	08xx	U.S. Society	3	GU
GenEd	08xx	Science & Technology I	3	GS
Subtotal			16	

Junior Year – 2nd Semester

Department	Course #	Course Name	Hours	RCI
Music	3504	Instrumental Major	4	
Music	Varies	Instrumental Ensemble	1	
Music	Varies	Instrumental Ensemble	1	
Music	2324	Conducting Intermediate	1	
Music	4570	Orchestral Repertoire	1	
GenEd	08xx	Race & Diversity	3	GD
GenEd	08xx	Science & Technology II	3	GS
Subtotal			14	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	4503	Instrumental Major	4	
Music	Varies	Instrumental Ensemble	1	
Music	Varies	Instrumental Ensemble	1	
Music		Music Electives	3	
GenEd	08xx	World Society	3	GG
GenEd	08xx	Human Behavior	3	GB
Subtotal			15	
Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	4584	Instrumental Major	4	
Music	Varies	Instrumental Ensemble	1	
Music	Varies	Instrumental Ensemble	1	
Music	4570	Orchestral Repertoire	1	
Music Studies	3796	Music in History	3	WI
Elective		Electives	4	
Subtotal			14	
Degree Total			124	

Students must take at least one elective from List A and one from List B.

Suggested Music Electives - List A

Music Studies 3713: *Orchestration* (3 s.h.)

Music Studies 4722: *Advanced Orchestration* (2 s.h.)

Music Studies 3741 or Music Education 3662: *Keyboard Harmony* (3 s.h.)

Music Studies 4717: *Counterpoint* (3 s.h.)

Music Studies 3748, 3749: *Composition Junior Seminar* (2 s.h.)

Music Studies 4718: *Analysis* (3 s.h.)

Suggested Music Electives - List B

Music Studies 2114: *History of Jazz* (3 s.h.)
Music Studies 1118: *Business of Music* (2 s.h.)
Music Technology courses
Music 4323 or 4324: *Conducting* (2 s.h.)
Music Education 2665: *Music Learning & Development* (3 s.h.)
Instrumental Pedagogy (2 s.h.)
Choral Ensembles (1 s.h.)*
Music Studies 4710: *Early Music Ensemble* (1 s.h.)*
Music 4570: *Orchestral Repertoire* (1 s.h.)*
Music 1211, 1212: *Voice Class* (1 s.h.)*

*No more than 2 credit hours may be taken as music elective credit.

Bass performance majors must enroll for 8 credit hours of orchestra and 4 additional credit hours of ensembles. It is suggested that *Early Music Ensemble* be one of these credit hours. The remaining 4 credit hours of ensemble may be taken as free music electives.

Saxophone performance majors may register for up to 4 credit hours of ensembles in reading jazz ensembles (Jazz Band or Jazz Lab Band) with prior approval of the Instrumental Department chair and coordinator of the Jazz program. The 2 semester hours of orchestral repertoire classes are to be replaced by elective(s).

Instrumental Studies, Classical Guitar Performance

Bachelor of Music: Classical Guitar Performance

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	1503	Instrumental Major	4	
Music	4560	Seminar in Guitar Performance & Literature	1	
Music	Varies	Choral Ensemble	1	
Music Studies	1711	Theory I	4	
Music	1405	Secondary Piano for Music Majors	1	
English	0802	Analytical Reading & Writing	4	GW
Subtotal			15	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	1504	Instrumental Major	4	
Music	4560	Seminar in Guitar Performance & Literature	1	
Music	Varies	Choral Ensemble	1	
Music Studies	1712	Theory II	4	
Music	1406	Secondary Piano for Music Majors	1	
Music	4570	Orchestral Repertoire	1	

GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			16	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	2503	Instrumental Major	4	
Music	4560	Seminar in Guitar Performance & Literature	1	
Music	Varies	Choral Ensemble	1	
Music Studies	2711	Theory III	4	
Music Studies	2703	Music in History	3	
Music	2405	Secondary Piano for Music Majors	1	
IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			17	
Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	2504	Instrumental Major	4	
Music	4560	Seminar in Guitar Performance & Literature	1	
Music	Varies	Choral Ensemble	1	
Music Studies	2712	Theory IV	4	
Music Studies	2704	Music in History	3	
Music	2406	Secondary Piano for Music Majors	1	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Subtotal			17	
Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	3503	Instrumental Major	4	
Music	Varies	Instrumental Ensemble	1	
Music Studies	3696	Music in History	3	WI
Music	2323	Basic Conducting	1	
Music	Elective	Music Elective	2	
Music	4560	Seminar in Guitar Performance & Literature	1	
GenEd	08xx	Science & Technology I	3	GS
Subtotal			15	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	3504	Instrumental Major	4	
Music	Varies	Instrumental Ensemble	1	
Music	2324	Conducting Intermediate	1	
Music	4570	Orchestral Repertoire	1	
Music	4560	Seminar in Guitar Performance & Literature	1	

GenEd	08xx	Race & Diversity	3	GD
GenEd	08xx	Science & Technology II	3	GS
Subtotal			14	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	4503	Instrumental Major	4	
Music	Varies	Instrumental Ensemble	1	
Music	Elective	Music Elective	3	
Music	4560	Seminar in Guitar Performance & Literature	1	
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	U.S. Society	3	GU
Subtotal			15	
Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	4584	Instrumental Major	4	
Music	Varies	Instrumental Ensemble	1	
Music Studies	3796	Music in History	3	WI
Music	Elective	Music Elective	3	
Music	4560	Seminar in Guitar Performance & Literature	1	
GenEd	08xx	World Society	3	GG
Subtotal			15	
Degree Total			124	

NOTE: You must take at least one elective from List A and one from List B.

Suggested Music Elective - List A

Music Studies 3713: *Orchestration* (3 s.h.)

Music Studies 4722: *Advanced Orchestration* (2 s.h.)

Music Studies 3741 or Music Education 3662: *Keyboard Harmony* (3 s.h.)

Music Studies 4717: *Counterpoint* (3 s.h.)

Music Studies 3748, 3749: *Composition Junior Seminar* (2 s.h.)

Music Studies 4718: *Analysis* (3 s.h.)

Suggested Music Electives - List B

Music Studies 2114: *History of Jazz* (3 s.h.)

Music Studies 1118: *Business of Music I* (2 s.h.)

Music Technology courses

Music 4323 or 4324: *Conducting* (2 s.h.)

Music Education 2665: *Music Learning & Development* (3 s.h.)

Instrumental Pedagogy (2 s.h.)

Choral Ensemble (1 s.h.)*

Music Studies 4710: *Early Music Seminar* (1 s.h.)*

Music 4570: *Orchestral Repertoire* (1 s.h.)*

Music 1211, 1212: *Voice Class* (1 s.h.)

*No more than two (2) credit hours may be taken as music elective credit.

Jazz Studies, Instrumental Performance

Terell Stafford, Director

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Students of Temple's Jazz Studies program have the opportunity to participate in both large and small ensembles. Jazz Band, Lab Band, Brass Ensemble, Fusion Ensemble, Percussion Ensemble, Guitar Ensemble, Vocal Ensemble, and New Music by Temple Composers provide a comprehensive performance experience in solo as well as ensemble playing for both instrumentalists and vocalists. All of the performing groups are coached by an experienced faculty of musician-educators. Graduates are prepared to begin a career as professional performers.

Bachelor of Music: Jazz Instrumental Performance

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	1503	Instrumental Major	4	
Music	1405	Secondary Piano for Music Majors	1	
Music	3100	Small Jazz Ensemble	1	
Music Studies	1711	Theory I	4	
English	0802	Analytical Reading & Writing	4	GW
GenEd	08xx	U.S. Society	3	GU
Subtotal			17	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	1504	Instrumental Major	4	
Music Studies	1106	Jazz Secondary Piano	1	
Music	3100	Small Jazz Ensemble	1	
Music Studies	1712	Theory II (Jazz)	4	
GenEd	08xx	World Society	3	GG
GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			17	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI

Music	2503	Instrumental Major	4	
Music Studies	2105	Jazz Secondary Piano	1	
Music	3100	Small Jazz Ensemble	1	
Music	Varies	Jazz Ensemble	1	
Music Studies	2711	Theory III (Jazz)	4	
GenEd	08xx	Race & Diversity	3	GD
IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			17	

Sophomore Year – 2nd Semester

Department	Course #	Course Name	Hours	RCI
Music	2504	Instrumental Major	4	
Music Studies	2106	Jazz Secondary Piano	1	
Music	3100	Small Jazz Ensemble	1	
Music Studies	2712	Theory IV (Jazz)	4	
Music Studies	4113	Jazz Improvisation: Theory & Practice I	2	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Music	Varies	Ensemble	1	
Subtotal			16	

Junior Year – 1st Semester

Department	Course #	Course Name	Hours	RCI
Music	3503	Instrumental Major	4	
Music	3100	Small Jazz Ensemble	1	
Music	Varies	Jazz Ensemble	1	
Music Studies	4112	Jazz Arranging I	3	
Music Studies	4114	Jazz Improvisation: Theory & Practice II	2	
Music Studies	3196	History of Pop	3	WI
Music Studies	1118	Business of Music I	2	
Subtotal			16	

Junior Year – 2nd Semester

Department	Course #	Course Name	Hours	RCI
Music	3504	Instrumental Major	4	
Music	Varies	Small Ensemble	1	
Music	Varies	Ensemble	1	
Music Studies	4111	Jazz Style & Analysis	2	
Music Studies	2114	History of Jazz	3	
Music Studies	2704	Music in History	3	
Subtotal			14	

Senior Year – 1st Semester

Department	Course #	Course Name	Hours	RCI
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Music	4503	Instrumental Major	4	
Music	3100	Small Jazz Ensemble	1	
Music	Varies	Ensemble	1	
Music	2323	Basic Conducting	1	
GenEd	08xx	Science & Technology I	3	GS
GenEd	08xx	Human Behavior	3	GB
Subtotal			13	
Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	4584	Instrumental Major	4	
Music	3100	Small Jazz Ensemble	1	
Music Studies		*Music Technology Elective	3	
Music Studies	3896	Theory Seminar II	3	WI
GenEd	08xx	Science & Technology II	3	GS
Subtotal			14	
Degree Total				
			124	
*Music Technology Electives				
Music Studies	4712	Computer Synthesis of Music (Spring)	3	
Music Studies	4713	Sound Recording (Fall)	3	
Music Studies	4714	Sound Editing (Spring)	3	
Music Studies	4716	Composing Music for Films (Fall)	3	
Music Studies	4719	MIDI (Fall)	3	
Music Studies	4762	Music Technology (Spring)	3	

Jazz Studies, Jazz Arranging/Composing

Terell Stafford, Director
215-204-8036
tstaffor@temple.edu

Bachelor of Music: Jazz Arranging/Composing

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	1201 or 1401 or 1501	Concentration	2	
Music	1405	Secondary Piano for Music Majors	1	
Music	3100	Small Jazz Ensemble	1	
Music Studies	1711	Theory I	4	
Music Studies	1118	Business of Music I	2	

English	0802	Analytical Reading & Writing	4	GW
GenEd	08xx	U.S. Society	3	GU
Subtotal			17	

Freshman Year – 2nd Semester

Department	Course #	Course Name	Hours	RCI
Music	1202 or 1402 or 1502	Concentration	2	
Music Studies	1106	Jazz Secondary Piano	1	
Music	3100	Small Jazz Ensemble	1	
Music Studies	1712	Theory II (Jazz)	4	
GenEd	08xx	Race & Diversity	3	GD
GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			15	

Sophomore Year – 1st Semester

Department	Course #	Course Name	Hours	RCI
Music	2201 or 2401 or 2501	Concentration	2	
Music Studies	2105	Jazz Secondary Piano	1	
Music	3100	Small Jazz Ensemble	1	
Music	Varies	Ensemble	1	
Music Studies	2711	Theory III (Jazz)	4	
GenEd	08xx	Science & Technology I	3	GS
IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			15	

Sophomore Year – 2nd Semester

Department	Course #	Course Name	Hours	RCI
Music	2202 or 2402 or 2502	Concentration	2	
Music Studies	2106	Jazz Secondary Piano	1	
Music	3100	Small Jazz Ensemble	1	
Music	Varies	Ensemble	1	
Music Studies	2712	Theory IV (Jazz)	4	
Music Studies	4113	Jazz Improvisation: Theory & Practice I	2	
Music Studies	2704	Music in History	3	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Subtotal			17	

Junior Year – 1st Semester

Department	Course #	Course Name	Hours	RCI
Music	3201 or 3401 or 3501	Concentration	2	
Music Studies	4112	Jazz Arranging I	3	
Music Studies	4114	Jazz Improvisation: Theory & Practice II	2	
Music	3100	Small Jazz Ensemble	1	

Music Studies	4110	Seminar in Jazz Composition & Arranging	2	
Music	2323	Basic Conducting	1	
GenEd	08xx	Science & Technology II	3	GS
Music Studies	3196	History of Pop	3	WI
Subtotal			17	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	3202 or 3402 or 3502	Concentration	2	
Music Studies	4115	Jazz Arranging II	3	
Music	3100	Small Jazz Ensemble	1	
Music Studies	4111	Jazz Style & Analysis	2	
Music Studies	4110	Seminar in Jazz Composition & Arranging	2	
Music Studies	2114	History of Jazz	3	
GenEd	08xx	World Society	3	GG
Subtotal			16	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	4201 or 4401 or 4501	Concentration	2	
Music	3100	Small Jazz Ensemble	1	
Music Studies	4110	Seminar in Jazz Composition & Arranging	2	
Music Studies	4120	Seminar in Jazz Comp.	2	
Music Studies	3713	Orchestration	3	
Music Studies		*Music Technology Elective	3	
Subtotal			13	
Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	4202 or 4502	Concentration	2	
Music	3100	Small Jazz Ensemble	1	
Music Studies	4110	Seminar in Jazz Composition & Arranging	2	
Music Studies	4120	Seminar in Advanced Jazz Composition & Arranging	2	
GenEd	08xx	Human Behavior	3	GB
Music Elective	3896	Theory Seminar	3	WI
Subtotal			13	
Degree Total			123	
*Music Technology Electives				
Music Studies	4712	Computer Synthesis of Music (Spring)	3	
Music Studies	4713	Sound Recording (Fall)	3	
Music Studies	4714	Sound Editing (Spring)	3	

Music Studies	4716	Composing Music for Film (Fall)	3	
Music Studies	4719	MIDI (Fall)	3	
Music Studies	4762	Music Technology (Spring)	3	

Jazz Studies, Jazz Voice Performance

Terell Stafford, Director
215-204-8036
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Bachelor of Music: Jazz Voice Performance

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	1203	Voice Major	3	
Music	1405	Secondary Piano for Music Majors	1	
Music	3100	Small Jazz Ensemble	1	
Music	4520	Ensemble	1	
Music Studies	1711	Theory I	4	
English	0802	Analytical Reading & Writing	4	GW
Subtotal			14	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	1204	Voice Major	3	
Music Studies	1106	Jazz Secondary Piano	1	
Music	3100	Small Jazz Ensemble	1	
Music Studies	1712	Theory II (Jazz)	4	
GenEd	08xx	U.S. Society	3	GU
GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			16	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	2203	Voice Major	3	
Music Studies	2105	Jazz Secondary Piano	1	
Music	3100	Small Jazz Ensemble	1	
Music	4520	Ensemble	1	
Music Studies	2711	Theory III	4	
Music Studies	1118	Business of Music I	2	
IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			15	

Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	2204	Voice Major	3	
Music Studies	2106	Jazz Secondary Piano	1	
Music	3100	Small Jazz Ensemble	1	
Music	4520	Ensemble	1	
Music Studies	2712	Theory IV	4	
Music Studies	4113	Jazz Improvisation: Theory & Practice I	2	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Subtotal			15	
Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	3203	Voice Major	3	
Music Studies	4112	Jazz Arranging I	3	
Music Studies	4114	Jazz Improvisation: Theory & Practice II	2	
Music	3100	Small Jazz Ensemble	1	
Music	4520	Ensemble	1	
Music	2323	Basic Conducting	1	
GenEd	08xx	World Society	3	GG
Music Studies	3196	History of Pop	3	WI
Subtotal			17	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	3204	Voice Major	3	
Music	3100	Small Jazz Ensemble	1	
Music	4520	Ensemble	1	
Music Studies	2704	Music in History	3	
Music Studies	4111	Jazz Style & Analysis	2	
Music	2324	Conducting Intermediate	1	
Music Studies	3896	Theory Seminar II	3	WI
GenEd	08xx	Race & Diversity	3	GD
Subtotal			17	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	4203	Voice Major	3	
Music	3100	Small Jazz Ensemble	1	
Music	4520	Ensemble	1	
Music Elective		Music Electives	3	
GenEd	08xx	Science & Technology II	3	GS
Music Studies	Elective	*Music Technology Elective	3	

Subtotal			14	
Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	4284	Voice Major	3	
Music	3100	Small Jazz Ensemble	1	
GenEd	08xx	Science & Technology II	3	GS
GenEd	08xx	Human Behavior	3	GB
Music Studies	2114	History of Jazz	3	
Music		Electives	3	
Subtotal			16	
Degree Total				
			124	
*Music Technology Electives				
Music Studies	4712	Computer Synthesis of Music (Spring)	3	
Music Studies	4713	Sound Recording (Fall)	3	
Music Studies	4714	Sound Editing (Spring)	3	
Music Studies	4716	Composing Music for Films (Fall)	3	
Music Studies	4719	MIDI (Fall)	3	
Music Studies	4762	Music Technology	3	

Theory

Michael Klein, Chair
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The Music Theory Department prepares its majors to be well-rounded practical musicians able to apply skills and knowledge to performance, composition, analysis, research, and teaching.

Bachelor of Music: Music Theory

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	1201 or 1401 or 1501	Concentration	2	
Music	1405	Secondary Piano for Music Majors	1	
Music	1211	Voice Class	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	1711	Theory I	4	
English	0802	Analytical Reading & Writing	4	GW
GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			17	

Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	1202 or 1402 or 1502	Concentration	2	
Music	1406	Secondary Piano for Music Majors	1	
Music	1212	Voice Class	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	1712	Theory II	4	
GenEd	08xx	Race & Diversity	3	GD
GenEd	08xx	U.S. Society	3	GU
Subtotal			15	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	2201 or 2401 or 2501	Concentration	2	
Music	2405	Secondary Piano for Music Majors	1	
Music Studies	2711	Theory III	4	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	2703	Music in History	3	
GenEd	08xx	Science & Technology I	3	GS
IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			17	
Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	2202 or 2402 or 2502	Concentration	2	
Music	2406	Secondary Piano for Music Majors	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	2712	Theory IV	4	
Music Studies	2704	Music in History	3	
GenEd	08xx	Science & Technology II	3	GS
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Subtotal			17	
Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	3201 or 3401 or 3501	Concentration	2	
Music	Varies	Choral/Instrumental Ensemble	1	
Music	3405	Secondary Piano for Music Majors	1	
Music Studies	3696	Music in History	3	WI
Music Studies	4717	Counterpoint	3	
GenEd	08xx	Human Behavior	3	GB
German	1001	German I	4	
Subtotal			17	

Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	3202 or 3402 or 3502	Concentration	2	
Music	3406	Secondary Piano for Music Majors	1	
Music Studies	3896	Theory Seminar II	3	WI
Music Studies	4718	Analysis	3	
German	1002	German II	4	
GenEd	08xx	World Society	3	GG
Subtotal			16	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music Studies	3749	Composition Junior Seminar II	2	
Music	2323	Basic Conducting	1	
Music Studies	3741	Keyboard Harmony	3	
Music Studies	3713	Orchestration	3	
German	1003	German III	3	
Subtotal			12	
Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Studies	3896	Theory Seminar II	3	WI
Music Studies	4715	World Music	3	
Elective	Elective	Elective	3	
German	2001	Intermediate German	3	
Subtotal			12	
Degree Total			123	

Composition

Michael Klein, Chair
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The Composition Department offers courses in composition for various media, including electronic music. Creativity, the development of personal expression through music, and the

assessment of music's role in the 21st-century societal context are the focal points for composition majors.

Bachelor of Music: Composition

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music Studies	1758	Composition Lesson I	3	
Music	1405	Secondary Piano for Music Majors	1	
Music	2323	Basic Conducting	1	
Music Studies	1711	Theory I	4	
English	0802	Analytical Reading & Writing	4	GW
GenEd	08xx	U.S. Society	3	GU
Subtotal			16	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Studies	1759	Composition Lesson II	3	
Music	1406	Secondary Piano for Music Majors	1	
Music	2324	Intermediate Conducting	1	
Music Studies	1712	Theory II	4	
GenEd	08xx	Quantitative Literacy	4	GQ
IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			16	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music Studies	2758	Composition Lesson III	3	
Music	2405	Secondary Piano for Music Majors	1	
Music Studies	2711	Theory III	4	
Music Studies	2703	Music in History	3	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
GenEd	08xx	Science & Technology I	3	GS
Subtotal			17	
Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Studies	2759	Composition Lesson IV	3	
Music	2406	Secondary Piano for Music Majors	1	
Music Studies	2712	Theory IV	4	
Music Studies	2704	Music in History	3	
GenEd	08xx	Science & Technology II	3	GS
GenEd	08xx	Human Behavior	3	GB
Subtotal			17	

Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music Studies	3758	Composition Lesson V	3	
Music Studies	3696	Music in History	3	WI
Music Studies	4717	Counterpoint	3	
Music Studies	4719	MIDI	3	
Music	Varies	Ensemble	1	
Music		Elective	3	
Subtotal			16	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Studies	3759	Composition Lesson VI	3	
Music Studies	4712	Computer Synthesis	3	
Music	Varies	Ensemble	1	
Music Studies	4723	Score Reading	3	
Music Studies	3713	Orchestration	3	
GenEd	08xx	Race & Diversity	3	GD
Subtotal			16	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music Studies	4758	Composition Lesson VII	3	
Music Studies	4724	Printing Music Scores and Parts	3	
Music Studies	4720	New Music Seminar	1	
GenEd	08xx	World Society	3	GG
		Elective	3	
Subtotal			13	
Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Studies	4759	Composition Lesson VIII	3	
Music Studies	3896	Theory Seminar	3	WI
Music Studies	4710	Early Music Seminar	1	
Music Studies	Elective	Music Composition Elective	3	
Elective	Elective	Elective	3	
Subtotal			13	
Degree Total			124	

Music History

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The Music History Department emphasizes an historic and analytical approach to the study of music and the development of scholarly research skills.

Bachelor of Music: Music History

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	1201 or 1401 or 1501	Concentration	2	
Music	1405	Secondary Piano for Music Majors	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	1711	Theory I	4	
English	0802	Analytical Reading & Writing	4	GW
GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			16	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	1202 or 1402 or 1502	Concentration	2	
Music	1406	Secondary Piano for Music Majors	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	1712	Theory II	4	
GenEd	08xx	U.S. Society	3	GU
GenEd	08xx	Race & Diversity	3	GD
GenEd	08xx	World Society	3	GG
Subtotal			17	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	2201 or 2401 or 2501	Concentration	2	
Music	2405	Secondary Piano for Music Majors	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	2711	Theory III	4	
Music Studies	2703	Music in History	3	
IH	0851	Mosaic: Humanities Seminar I	3	GY
GenEd	08xx	Science & Technology I	3	GS

Subtotal			17	
Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	2202 or 2402 or 2502	Concentration	2	
Music	2406	Secondary Piano for Music Majors	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	2712	Theory IV	4	
Music Studies	2704	Music in History	3	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
GenEd	08xx	Science & Technology II	3	GS
Subtotal			17	
Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	3201 or 3401 or 3501	Concentration	2	
Music	Varies	Choral/Instrumental Ensemble	1	
GenEd	08xx	Human Behavior	3	GB
Music Studies	4717	Counterpoint	3	
Music Studies	3696	Music in History	3	WI
		Foreign Language I	4	
Subtotal			16	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	3202 or 3402 or 3502	Concentration	2	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	3796	Music in History	3	WI
		Foreign Language II	4	
Music		*Elective	2	
Elective		**Elective	3	
Subtotal			15	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	4201 or 4401 or 4501	Concentration	2	
Music	Varies	Ensemble	1	
Music Studies	Elective	Music History	3	
Elective		Elective	3	
Music	2323	Basic Conducting	1	
		Foreign Language III	3	
Subtotal			13	

Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	4202 or 4402 or 4502	Concentration	2	
Music	Varies	Ensemble	1	
Music Studies	Elective	*Elective	2	
Music Studies	4718	Analysis	2	
Elective		**Elective	3	
		Foreign Language IV	3	
Subtotal			13	
Degree Total			124	

*Keyboard Harmony (Music Studies 3741) and Orchestration (Music Studies 3713) are recommended.

**Art History strongly recommended.

Music Education

Deborah Sheldon, Chair
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The Department of Music Education concentrates on developing music educators at the undergraduate level who will be ready for successful entry into the teaching profession.

Faculty recommendations for student teaching are not automatic. They must be earned by the student through demonstrated potential in the field, a 3.0 GPA, and passing of Praxis exams I and II. Students not recommended for student teaching may be permitted to graduate after successful completion of additional coursework, but will not be recommended for Pennsylvania State Music Teacher Certification.

Upon successful completion of the four-year program of study, the five-year double major program of study, or the five-year program with either a Jazz Studies component or Technology component, and upon achieving passing scores on the Praxis Series Assessments (Professional Assessments for Beginning Teachers), students qualify for Pennsylvania state certification for public school music teachers, K-12.

Music Education, Voice Concentration

Bachelor of Music: Music Education

Voice Concentration

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	1201	Voice Concentration	2	

Music	Varies	Choral Ensemble	1	
Music	1405	Secondary Piano for Music Majors	1	
Music Studies	1711	Theory I	4	
Music Education	Varies	Instrumental Pedagogy	1	
Music	1225	English Diction	1	
Music Education	3661	Introduction to Teaching Students with Special Needs	3	
GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			17	

Freshman Year –2nd Semester

Department	Course #	Course Name	Hours	RCI
Music	1202	Voice Concentration	2	
Music	Varies	Choral Ensemble	1	
Music	1406	Secondary Piano for Music Majors	1	
Music Studies	1712	Theory II	4	
Music Education	Varies	Vocal Pedagogy	2	
Music Education	4666	Assessment of Music Learning	3	
English	0802	Analytical Reading & Writing	4	GW
Subtotal			17	

Sophomore Year – 1st Semester

Department	Course #	Course Name	Hours	RCI
Music	2201	Voice Concentration	2	
Music	Varies	Choral Ensemble	1	
Music	2405	Secondary Piano for Music Majors	1	
Music Studies	2711	Theory III	4	
Music Studies	2703	Music in History	3	
Music	2323	Basic Conducting	1	
Music Education	Varies	Instrumental Pedagogy	2	
IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			17	

Sophomore Year – 2nd Semester

Department	Course #	Course Name	Hours	RCI
Music	2202	Voice Concentration	2	
Music	Varies	Choral Ensemble	1	
Music Studies	2704	Music in History	3	
Music Studies	2712	Theory IV	4	
Music	2324	Conducting Intermediate	1	
Music Education	2665	Music Learning & Development	3	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Subtotal			17	

Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	3201	Voice Concentration	2	
Music	Varies	Choral Ensemble	1	
Music	4323	Conducting (Choral)	2	
Music	2406	Secondary Piano for Music Majors	1	
Music Education	2696	Teaching General Music to Inclusive Populations	3	WI
Music Education	1671	Collaboration & Creativity in the New Music Classroom	3	
Music Education	2674	Jazz Education - Vocal	2	
Music Education	4669	Teaching Choral Music to Inclusive Populations	3	
Subtotal			17	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	3202	Voice Concentration	2	
Music Studies	3696	Music in History	3	WI
Music	Varies	Choral Ensemble	1	
Music Education	Varies	Vocal Pedagogy	2	
Music Education	3662	Keyboard Harmony - Music Education	3	
Music Education	4667	Teaching Instrumental Music to Inclusive Populations	3	
GenEd	08xx	Science & Technology I	3	GS
Subtotal			17	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	Varies	Choral Ensemble	1	
Music Education		Instrumental Pedagogy	1	
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	Science & Technology II	3	GS
GenEd	08xx	U.S. Society	3	GU
GenEd	08xx	World Society	3	GG
GenEd	08xx	Race & Diversity	3	GD
Subtotal			17	
Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Education	4668	Senior Student Teaching Seminar	3	
Music Education	4689	Student Teaching-Elementary	3	
Music Education	4789	Student Teaching-Secondary	3	
Subtotal			9	
Degree Total			128	

Music Education, Piano Concentration

Bachelor of Music: Music Education

Piano Concentration

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	1401	Piano Concentration	2	
Music	Varies	Choral Ensemble	1	
Music Studies	1711	Theory I	4	
Music Education	Varies	Vocal Pedagogy	2	
Music Education	Varies	Instrumental Pedagogy	1	
Music Education	3661	Introduction to Teaching Students with Special Needs	3	
GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			17	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	1402	Piano Concentration	2	
Music	Varies	Choral Ensemble	1	
Music Studies	1712	Theory II	4	
Music Education	Varies	Vocal Pedagogy	2	
Music Education	Varies	Instrumental Pedagogy	1	
Music Education	4666	Assessment of Music Learning	3	
English	0802	Analytical Reading & Writing	4	GW
Subtotal			17	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	2401	Piano Concentration	2	
Music	Varies	Choral Ensemble	1	
Music Studies	2711	Theory III	4	
Music Studies	2703	Music in History	3	
Music	2323	Basic Conducting	1	
Music Education	Varies	Instrumental Pedagogy	2	
Music	1428	Accompanying & Piano Ensemble	1	
IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			17	
Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	2402	Piano Concentration	2	
Music	1429	Accompanying & Piano Ensemble	1	

Music	2324	Conducting Intermediate	1	
Music Studies	2712	Theory IV	4	
Music Studies	2704	Music in History	3	
Music Education	2665	Music Learning & Development	3	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Subtotal			17	

Junior Year – 1st Semester

Department	Course #	Course Name	Hours	RCI
Music	3401	Piano Concentration	2	
Music	Varies	Choral Ensemble	1	
Music	4323	Conducting Choral	2	
Music Education	2696	Teaching General Music to Inclusive Populations	3	WI
Music Education	1671	Collaboration & Creativity in the New Music Community	3	
Music	1429	Accompanying & Piano Ensemble	1	
Music Education	4669	Teaching Choral Music to Inclusive Populations	3	
Music	1428	Accompanying & Piano Ensemble	1	
Subtotal			16	

Junior Year – 2nd Semester

Department	Course #	Course Name	Hours	RCI
Music	3402	Piano Concentration	2	
Music	Varies	Choral Ensemble	1	
Music Studies	3696	Music in History	3	WI
Music Education	3662	Keyboard Harmony - Music Education	3	
Music Education	2673	Jazz Education - Instrumental	2	
Music Education	4667	Teaching Instrumental Music to Inclusive Populations	3	
GenEd	08xx	Science & Technology I	3	GS
Subtotal			17	

Senior Year – 1st Semester

Department	Course #	Course Name	Hours	RCI
Music	Varies	Choral Ensemble	1	
Music	1428	Accompanying & Piano Ensemble	1	
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	Science & Technology II	3	GS
GenEd	08xx	U.S. Society	3	GU
GenEd	08xx	World Society	3	GG
GenEd	08xx	Race & Diversity	3	GD
Subtotal			17	

Senior Year – 2nd Semester

Department	Course #	Course Name	Hours	RCI
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Music Education	4668	Senior Student Teaching Seminar	3	
Music Education	4689	Student Teaching-Elementary	3	
Music Education	4789	Student Teaching-Secondary	3	
Subtotal			9	
Degree Total			127	

Music Education, Instrumental Concentration

Bachelor of Music: Music Education

Instrumental Concentration

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	1501	Instrumental Concentration	2	
Music	Varies	+Instrumental Ensemble	1	
Music Studies	1711	Theory I	4	
Music	1405	Secondary Piano for Music Majors	1	
Music Education	Varies	Instrumental Pedagogy	2	
Music Education	3661	Introduction to Teaching Students with Special Needs	3	
GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			17	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	1502	Instrumental Concentration	2	
Music	Varies	+Instrumental Ensemble	1	
Music	1406	Secondary Piano for Music Majors	1	
Music Studies	1712	Theory II	4	
Music Education	Varies	Vocal Pedagogy	2	
Music Education	4666	Assessment of Music Learning	3	
English	0802	Analytical Reading & Writing	4	GW
Subtotal			17	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	2501	Instrumental Concentration	2	
Music	Varies	+Instrumental Ensemble	1	
Music	2405	Secondary Piano for Music Majors	1	
Music Studies	2711	Theory III	4	
Music	2323	Basic Conducting	1	
Music Education	Varies	Instrumental Pedagogy	2	
Music Studies	2703	Music in History	3	

IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			17	
Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	2502	Instrumental Concentration	2	
Music	Varies	+Instrumental Ensemble	1	
Music Studies	2712	Theory IV	4	
Music Studies	2704	Music in History	3	
Music	2324	Conducting Intermediate	1	
Music Education	2665	Music Learning & Development	3	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Subtotal			17	
Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	3501	Instrumental Concentration	2	
Music	Varies	+Instrumental Ensemble	1	
Music Education	Varies	Instrumental Pedagogy	2	
Music	2406	Secondary Piano for Music Majors	1	
Music	4324	Conducting (Instrumental)	2	
Music Education	2696	Teaching General Music to Inclusive Populations	3	WI
Music Education	1671	Collaboration & Creativity in the New Music Community	3	
Music Education	4669	Teaching Choral Music to Inclusive Populations	3	
Subtotal			17	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	3502	Instrumental Concentration	2	
Music	Varies	+Instrumental Ensemble	1	
Music Studies	3696	Music in History	3	WI
Music Education	3662	Keyboard Harmony - Music Education	3	
Music Education	2673	Jazz Education - Instrumental	2	
Music Education	4667	Teaching Instrumental Music to Inclusive Populations	3	
GenEd	08xx	Science & Technology I	3	GS
Subtotal			17	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	Varies	Instrumental Ensemble	1	
Music	Varies	Choral Ensemble	1	
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	U.S. Society	3	GU

GenEd	08xx	World Society	3	GG
GenEd	08xx	Science & Technology II	3	GS
GenEd	08xx	Race & Diversity	3	GD
Subtotal			17	
Senior Year - 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Education	4668	Senior Student Teaching Seminar	3	
Music Education	4689	Student Teaching-Elementary	3	
Music Education	4789	Student Teaching-Secondary	3	
Subtotal			9	
Degree Total			128	

+ Two semesters of Marching Band are required for students whose principal instruments are woodwinds, brass, and percussion. Normally this requirement is fulfilled in the fall semester of freshman and sophomore years.

Music Education, Piano/Jazz Studies

Bachelor of Music (5 Year): Music Education

Piano Concentration with Jazz Studies Component

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	1401	Piano Concentration	2	
Music	Varies	%Ensemble	1	
Music Studies	1711	Theory I (Traditional)	4	
Music Education	3661	Introduction to Teaching Students with Special Needs	3	
Music Education	Varies	Instrumental Pedagogy	2	
GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			16	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	1402	Piano Concentration	2	
Music	Varies	%Ensemble	1	
Music Studies	1712	Theory II (Jazz)	4	
Music Education	Varies	Instrumental Pedagogy	2	
Music Education	4666	Assessment of Music Learning	3	
English	0802	Analytical Reading & Writing	4	GW
Subtotal			16	

Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	2401	Piano Concentration	2	
Music Studies	1134	Harmony II (Jazz)	4	
Music Studies	2703	Music in History	3	
IH	0851	Mosaic: Humanities Seminar I	3	GY
Music	Varies	%Ensemble	1	
Music	1428	Accompanying & Piano Ensemble	1	
GenEd		Science & Technology I	3	GS
Subtotal			17	
Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	2402	Piano Concentration	2	
Music Studies	2704	Music In History	3	
Music Studies	2712	Theory IV (Jazz)	4	
Music	Varies	%Ensemble	1	
Music Education	2665	Music Learning & Development	3	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Subtotal			16	
Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	3401	Piano Concentration	2	
Music Studies	2711	Theory III (Traditional)	4	
Music	2323	Basic Conducting	1	
Music Studies	4717	Counterpoint	3	
Music	Varies	% Jazz Ensemble	1	
Music Education	Varies	Instrumental or Vocal Pedagogy	1	
Music Education	Varies	Vocal Pedagogy	2	
Music Education	2696	Teaching General Music to Inclusive Populations	3	WI
Subtotal			17	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	3402	Piano Concentration	2	
Music	Varies	% Jazz Ensemble	1	
Music Studies	4113	Jazz Improvisation: Theory & Practice I	2	
Music Studies	3696	Music in History	3	WI
Music Education	Varies	Instrumental Pedagogy	2	
Music	2324	Conducting Intermediate	1	
Music Education	1671	Collaboration & Creativity in the New Music Community	3	
GenEd	08xx	Science & Technology II	3	GS

Subtotal			17	
Fourth Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	4401	Piano Concentration	2	
Music Education	4669	Teaching Choral Music to Inclusive Populations	3	
Music	Varies	% Jazz Ensemble	1	
Music Studies	3196	History of Pop	3	WI
Music Studies	Varies	Jazz Elective	2	
Music Studies	4112	Jazz Arranging I	3	
Music	4323	Conducting (Choral)	2	
Subtotal			16	
Fourth Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	4402	Piano Concentration	2	
Music	Varies	%Ensemble	1	
Music Education	4667	Teaching Instrumental Music to Inclusive Populations	3	
Music Studies	2114	History of Jazz	3	
Music Education	3662	Keyboard Harmony	3	
Music Education	2673	Jazz Education - Instrumental	2	
	<i>or</i> 2674	<i>or</i> Jazz Education - Vocal		
Music Studies	Varies	Technology Elective	3	
		Senior Project	0	
Subtotal			17	
Fifth Year Senior – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music Studies	3713	Orchestration	3	
Music	Varies	%Ensemble	1	
GenEd	08xx	U.S. Society	3	GU
GenEd	08xx	World Society	3	GG
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	Race & Diversity	3	GD
Subtotal			16	
Fifth Year Senior – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Education	4668	Senior Student Teaching Seminar	3	
Music Education	4689	Student Teaching - Elementary	3	
Music Education	4789	Student Teaching - Secondary	3	
Subtotal			9	

Degree Total			157	
Music Technology Electives				
Music Studies	4713	Sound Recording (Fall)		
Music Studies	4762	Music Technology (Spring)		
Music Studies	4716	Composing Music for Films (Fall)		
Music Studies	4719	MIDI (Fall)		
Music Studies	4712	Computer Synthesis of Music (Spring)		
Music Studies	4714	Sound Editing (Spring)		

% 9 credit hours of ensembles are required; 4 credit hours must be earned in traditional ensembles, and 4 credit hours must be earned in jazz ensembles. A mixture of vocal and instrumental ensembles is recommended.

Music Education, Instrumental Concentration with Jazz Studies

Bachelor of Music (5 Year): Major in Music Education

Instrumental Concentration with Jazz Studies Component

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	1501	Instrumental Concentration	2	
Music	Varies	+Instrumental Ensemble	1	
Music	1405	Secondary Piano for Music Majors	1	
Music Studies	1711	Theory I (Traditional)	4	
Music Education	3661	Introduction to Teaching Students with Special Needs	3	
Music Education	Varies	Instrumental Pedagogy	2	
GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			17	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	1502	Instrumental Concentration	2	
Music	Varies	+Instrumental Ensemble	1	
Music Studies	1106	Jazz Secondary Piano	1	
Music Studies	1712	Theory II (Jazz)	4	
Music Education	4666	Assessment of Music Learning	3	
Music Education	Varies	Instrumental Pedagogy	2	
English	0802	Analytical Reading & Writing	4	GW
Subtotal			17	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI

Music	2501	Instrumental Concentration	2	
Music Studies	2105	Jazz Secondary Piano	1	
Music	Varies	+Instrumental Ensemble	1	
Music Studies	1134	Harmony II: Jazz	4	
Music Studies	2703	Music in History	3	
GenEd	08xx	Science & Technology I	3	GS
IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			17	

Sophomore Year – 2nd Semester

Department	Course #	Course Name	Hours	RCI
Music	2502	Instrumental Concentration	2	
Music Studies	2106	Jazz Secondary Piano	1	
Music Studies	2704	Music in History	3	
Music Studies	2712	Theory IV (Jazz)	4	
Music	Varies	+Instrumental Ensemble	1	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Music Education	2665	Music Learning & Development	3	
Subtotal			17	

Junior Year – 1st Semester

Department	Course #	Course Name	Hours	RCI
Music	3501	Instrumental Concentration	2	
Music Studies	2711	Theory III (Traditional)	4	
Music	Varies	Jazz Ensemble	1	
Music	2323	Basic Conducting	1	
Music Education	Varies	Instrumental Pedagogy	1	
Music Education	Varies	Vocal Pedagogy	2	
Music Education	2696	Teaching General Music to Inclusive Populations	3	WI
Music Studies	4717	Counterpoint	3	
Subtotal			17	

Junior Year – 2nd Semester

Department	Course #	Course Name	Hours	RCI
Music	3502	Instrumental Concentration	2	
Music Studies	3696	Music in History	3	WI
Music	Varies	Jazz Ensemble	1	
Music	2324	Conducting - Intermediate	1	
Music Education	Varies	Instrumental Pedagogy	2	
Music Education	1671	Collaboration & Creativity in the New Music Community	3	
GenEd	08xx	Science & Technology II	3	GS
Music Studies	4113	Jazz Improvisation: Theory & Practice I	2	
Subtotal			17	

Fourth Year Senior – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	4501	Instrumental Concentration	2	
Music Studies	4112	Jazz Arranging I	3	
Music	Varies	Jazz Ensemble	1	
Music Studies	3196	History of Pop	3	WI
Music Studies	Varies	Jazz Elective	2	
Music Education	4669	Teaching Choral Music to Inclusive Populations	3	
Music	4324	Conducting - Instrumental	2	
Subtotal			16	
Fourth Year Senior – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	4502	Instrumental Concentration	2	
Music	Varies	Jazz Ensemble	1	
Music Education	3662	Keyboard Harmony - Music Education	3	
Music Education	4667	Teaching Instrumental Music to Inclusive Populations	3	
Music Studies	2114	History of Jazz	3	
Music Studies	Varies	Technology Elective	3	
Music Education	2673	Jazz Education - Instrumental	2	
		Senior Project	0	
Subtotal			17	
Fifth Year Senior – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music Studies	3713	Orchestration	3	
Music	Varies	Ensemble	1	
GenEd	08xx	U.S. Society	3	GU
GenEd	08xx	World Society	3	GG
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	Race & Diversity	3	GD
Subtotal			16	
Fifth Year Senior – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Education	4668	Senior Student Teaching Seminar	3	
Music Education	4689	Student Teaching - Elementary	3	
Music Education	4789	Student Teaching - Secondary	3	
Subtotal			9	
Degree Total			160	

Music Technology Electives				
Music Studies	4713	Sound Recording (Fall)		
Music Studies	4762	Music Technology		
Music Studies	4716	Composing Music for Films (Fall)		
Music Studies	4719	MIDI (Fall)		
Music Studies	4712	Computer Synthesis of Music (Spring)		
Music Studies	4714	Sound Editing (Spring)		

+ Two semesters of Marching Band are required. Normally this requirement is fulfilled in the fall semester of the freshman and sophomore years. A total of 9 semester hours of instrumental ensembles is required; 4 credit hours must be earned in traditional instrumental ensembles, and 4 credit hours must be earned in jazz instrumental ensembles. The ninth may be in either.

Music Education, Voice Concentration with Jazz Studies

Bachelor of Music (5 Year): Major in Music Education

Voice Concentration with Jazz Studies Component

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	1201	Voice Concentration	2	
Music	1405	Secondary Piano for Music Majors	1	
Music Studies	1711	Theory I	4	
Music	Varies	%Choral Ensemble	1	
Music Education	3661	Introduction to Teaching Students with Special Needs	3	
Music Education	Varies	Vocal Pedagogy	2	
GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			17	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	1202	Voice Concentration	2	
Music Studies	1106	Jazz Secondary Piano	1	
Music Studies	1712	Theory II (Jazz)	4	
Music	Varies	%Choral Ensemble	1	
Music Education	4666	Assessment of Music Learning	3	
Music Education	Varies	Instrumental Pedagogy	2	
English	0802	Analytical Reading & Writing	4	GW
Subtotal			17	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	2201	Voice Concentration	2	
Music Studies	2105	Jazz Secondary Piano	1	

Music	Varies	%Choral Ensemble	1	
Music Studies	1134	Harmony II (Jazz)	4	
Music Studies	2703	Music in History	3	
GenEd	08xx	Science & Technology I	3	GS
IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			17	
Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	2202	Voice Concentration	2	
Music Studies	2106	Jazz Secondary Piano	1	
Music Studies	2712	Theory IV (Jazz)	4	
Music	Varies	%Choral Ensemble	1	
Music Studies	2704	Music in History	3	
Music Education	2665	Music Learning & Development	3	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Subtotal			17	
Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	3201	Voice Concentration	2	
Music	2323	Basic Conducting	1	
Music Studies	2711	Theory III (Traditional)	4	
Music Education	Varies	Vocal Pedagogy	2	
Music	Varies	%Jazz Ensemble	1	
Music Education	Varies	Instrumental Pedagogy	1	
Music Education	2696	Teaching General Music to Inclusive Populations	3	WI
Music Studies	4717	Counterpoint	3	
Subtotal			17	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	3202	Voice Concentration	2	
Music Studies	3696	Music in History	3	WI
Music	2324	Conducting - Intermediate	1	
Music Studies	4113	Jazz Improvisation: Theory & Practice I	2	
Music	1225	English Diction	1	
Music	Varies	%Jazz Ensemble	1	
Music Education	Varies	Instrumental Pedagogy	1	
Music Education	1671	Collaboration & Creativity in the New Music Community	3	
GenEd	08xx	Science & Technology II	3	GS
Subtotal			17	

Fourth Year Senior – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	4201	Voice Concentration	2	
Music	Varies	%Jazz Ensemble	1	
Music Studies	4112	Jazz Arranging I	3	
Music	4323	Conducting Choral	2	
Music Studies	3196	History of Pop	3	WI
Music Education	4669	Teaching Choral Music to Inclusive Populations	3	
Music Studies	Varies	Jazz Elective	2	
Subtotal			16	
Fourth Year Senior – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	4202	Voice Concentration	2	
Music	Varies	%Jazz Ensemble	1	
Music Studies	3741	Keyboard Harmony	3	
Music Education	4667	Teaching Instrumental Music to Inclusive Populations	3	
Music Studies	Varies	Technology Elective	3	
Music Studies	2114	History of Jazz	3	
Music Education	2674	Jazz Education - Vocal	2	
		Senior Project	0	
Subtotal			17	
Fifth Year Senior – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	Varies	Ensemble	1	
Music Studies	3713	Orchestration	3	
GenEd	08xx	U.S. Society	3	GU
GenEd	08xx	World Society	3	GG
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	Race & Diversity	3	GD
Subtotal			16	
Fifth Year Senior – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Education	4668	Senior Student Teaching Seminar	3	
Music Education	4689	Student Teaching - Elementary	3	
Music Education	4789	Student Teaching - Secondary	3	
Subtotal			9	
Degree Total			160	
Music Technology Electives				

Music Studies	4713	Sound Recording (Fall)		
Music Studies	4716	Composing Music for Films (Fall)		
Music Studies	4719	MIDI (Fall)		
Music Studies	4712	Computer Synthesis of Music (Spring)		
Music Studies	4714	Sound Editing (Spring)		

% Nine credit hours of vocal ensembles are required; 6 must be earned in traditional vocal ensembles and 3 must be earned in jazz ensembles.

Music Education, Instrumental Concentration with Music Technology Component

Bachelor of Music: Major in Music Education

Instrumental Concentration with Music Technology Component

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	1501	Instrumental Concentration	2	
Music	1405	Secondary Piano for Music Majors	1	
Music	Varies	+Instrumental Ensemble	1	
Music Studies	1711	Theory I	4	
Music Education	Varies	Instrumental Pedagogy	2	
Music Education	3661	Introduction to Teaching Students with Special Needs	3	
GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			17	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	1502	Instrumental Concentration	2	
Music	1406	Secondary Piano for Music Majors	1	
Music	Varies	+Instrumental Ensemble	1	
Music Studies	1712	Theory II	4	
Music Education	Varies	Vocal Pedagogy	2	
Music Education	4666	Assessment of Music Learning	3	
English	0802	Analytical Reading & Writing	4	GW
Subtotal			17	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	2501	Instrumental Concentration	2	
Music	2405	Secondary Piano for Music Majors	1	
Music Studies	2703	Music in History	3	
Music Studies	2711	Theory III	4	

Music	Varies	+Instrumental Ensemble	1	
IH	0851	Mosaic: Humanities Seminar I	3	GY
GenEd	08xx	Science & Technology I	3	GS
Subtotal			17	
Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	2502	Instrumental Concentration	2	
Music	2406	Secondary Piano for Music Majors	1	
Music Studies	2704	Music in History	3	
Music Studies	2712	Theory IV	4	
Music	Varies	+Instrumental Ensemble	1	
Music Education	2665	Music Learning & Development	3	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Subtotal			17	
Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	3501	Instrumental Concentration	2	
Music	Varies	+Instrumental Ensemble	1	
Music	2323	Basic Conducting	1	
Music Education	Varies	Instrumental Pedagogy	1	
Music Education	2696	Teaching General Music to Inclusive Populations	3	WI
Music Education	4669	Teaching Choral Music to Inclusive Populations	3	
GenEd	08xx	Science & Technology II	3	GS
Music Studies	4711	Computers in Musical Applications	3	
Subtotal			17	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	3502	Instrumental Concentration	2	
Music	Varies	Choral Ensemble	1	
Music Education	Varies	Instrumental Pedagogy	1	
Music Education	3662	Keyboard Harmony - Music Education	3	
Music	2324	Conducting - Intermediate	1	
Music Education	1671	Collaboration & Creativity in the New Music Community	3	
Music Studies	4762	Music Technology	3	
Music Studies	4712	Computer Synthesis of Music	3	
Subtotal			17	
Fourth Year Senior – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	Varies	Instrumental Ensemble	1	

Music Education	4667	Teaching Instrumental Music to Inclusive Populations	3	
Music	4324	Conducting - Instrumental	2	
Music Education	Varies	Instrumental Pedagogy	2	
Music Studies	3696	Music in History	3	WI
Music Studies	4713	Sound Recording	3	
Music Studies	Varies	Technology Elective	3	
Subtotal			17	
Fourth Year Senior – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	Varies	Instrumental Ensemble	1	
Music Education	2673	Jazz Education - Instrumental	2	
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	World Society	3	GG
BTMM	3751	Intermediate Digital Audio	4	
Music Education	4663	Interactive Multimedia I (MT)	3	
Subtotal			16	
Fifth Year Senior – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	Varies	Instrumental Ensemble	1	
GenEd	08xx	U.S. Society	3	GU
GenEd	08xx	Race & Diversity	3	GD
Music Education	4664	Interactive Multimedia II (MT)	3	
Music Studies	4719	MIDI (MT)	3	
Music Studies	4721	Computer Music Studio (MT)	3	
Subtotal			16	
Fifth Year Senior – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Education	4668	Senior Student Teaching Seminar	3	
Music Education	4689	Student Teaching - Elementary	3	
Music Education	4789	Student Teaching - Secondary	3	
Subtotal			9	
Degree Total			160	
Music Technology Electives				
Music Studies	4713	Sound Recording (Fall)		
Music Studies	4716	Composing Music for Films (Fall)		
Music Studies	4719	MIDI (Fall)		
Music Studies	4714	Sound Editing (Fall & Spring)		
Music Studies	4721	Computer Music Studio (Spring)		

Music Studies	4712	Computer Synthesis of Music (Spring)		
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+ Two credit hours of Marching Band are required for students whose principal instruments are woodwinds, brass, and percussion. Normally, this requirement is fulfilled in the fall semester of the freshman and sophomore years.

The above example demonstrates how the Music Technology component can be incorporated into a five-year music degree curriculum. This is only a demonstrative model and is not the only curriculum to which the component may be added. Students interested in adding the component to their curriculum should contact their respective department chair for further information and specific curriculum guidelines.

Music Therapy

Kenneth Aigen, DA, Coordinator of Undergraduate Programs
215.204.8311

kaigen@temple.edu

www.temple.edu/musictherapy

Fully approved by the American Music Therapy Association, this bachelor's degree program is designed to prepare students for entry-level clinical positions in music therapy. Upon successful completion of the degree, graduates are eligible to take the national examination of the Certification Board for Music Therapists and thereby qualify for professional certification in the field.

Bachelor of Music: Music Therapy

Freshman Year - 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	1201 or 1401 or 1501	Concentration	2	
Music	1405	Secondary Piano for Music Majors	1	
Music	1211	*Voice Class	1	
Music Education	4611	Music Therapy Overview	3	
Music Education	1658	*Guitar I	1	
Music	Varies	Ensemble	1	
Music Studies	1711	Theory I	4	
English	0802	Analytical Reading & Writing	4	GW
Subtotal			17	
Freshman Year - 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	1202 or 1402 or 1502	Concentration	2	
Music Studies	1106	Jazz Secondary Piano	1	
Music	1212	*Voice Class	1	
Music Education	1659	*Guitar II	1	

Music	Varies	Ensemble	1	
Music Studies	1712	Theory II	4	
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			17	

Sophomore Year - 1st Semester

Department	Course #	Course Name	Hours	RCI
Music	2201 or 2401 or 2501	Concentration	2	
Music Studies	2105	*Jazz Secondary Piano	1	
Music Education	3635	*Functional Guitar	1	
Music Education	3631	Functional Voice	1	
Music	Varies	Ensemble	1	
Music Studies	2711	Theory III	4	
Music Education	4641	Music Therapy Experiences I	1	
Music Education	4616	Developmental Music Therapy	3	
IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			17	

Sophomore Year - 2nd Semester

Department	Course #	Course Name	Hours	RCI
Music	2202 or 2402 or 2502	Concentration	2	
Music Studies	2106	*Jazz Secondary Piano	1	
Music Education	3636	*Functional Guitar	1	
Music Education	3632	Functional Voice	1	
Music	Varies	Ensemble	1	
Music Studies	2712	Theory IV	4	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Music Education	4614	Psychiatric Music Therapy	3	
Music Education	4642	Music Therapy Experiences II	1	
Subtotal			17	

Junior Year - 1st Semester

Department	Course #	Course Name	Hours	RCI
Music Education	3633	*Functional Piano	1	
Music	2323	Basic Conducting	1	
Music Studies	2703	Music in History	3	
Music Education	4619	Medical/Rehabilitative Music Therapy	3	
Music Education	4643	Music Therapy Experiences III	1	
Music Education	3689	*Fieldwork in Music Therapy	2	
GenEd	08xx	Science & Technology I	3	GS
Psychology	2301	Developmental Psychology	3	
Subtotal			17	

Junior Year - 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Education	3634	*Functional Piano	1	
Music	2324	Conducting Intermediate	1	
Music Education	3689	*Fieldwork in Music Therapy	2	
Psychology	2201	Psychopathology	3	
Music Studies	3696	Music in History	3	WI
GenEd	08xx	Science & Technology II	3	GS
GenEd	08xx	U.S. Society	3	GU
Subtotal			16	
Senior Year - 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music Education	4696	Music Therapy Research	3	WI
Music Studies	3196	History of Pop	3	WI
Music Education	3689	*Fieldwork in Music Therapy	2	
GenEd	08xx	World Society	3	GG
GenEd	08xx	Race & Diversity	3	GD
Subtotal			14	
Senior Year - 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Education	4613	Music Therapy Foundations	3	
Music Studies	3105	Jazz Class Piano	1	
Music Education	4618	Music Therapy Ethics	2	
Music Education	4685	Music Therapy Internship	6	
Subtotal			12	
Degree Total			127	

*NOTES

Voice Concentrations

- In lieu of Music 1211-1212: *Voice* (2 s.h.), classical singers must take Music Studies 2114: *History of Jazz* (3 s.h.); jazz singers must take Music Studies 4112: *Jazz Arranging I* (3 s.h.).
- Classical and jazz singers must take Music Education 3631-3632: *Functional Voice*, unless waived by examination.

Piano Concentrations

- In lieu of Music 1405, 1406, 2405: *Secondary Piano* (3 s.h.), classical pianists must take Music Studies 2114: *History of Jazz* (3 s.h.); jazz pianists must take Music Studies 4112: *Jazz Arranging I* (3 s.h.).
- In lieu of Music 2405, 2406: *Secondary Piano*, classical pianists must take 2 credits of jazz piano; jazz pianists must take 2 credits of jazz electives.
- Both classical and jazz pianists must take Music Education 3633-3634: *Functional Piano*, unless waived upon examination by instructor.

Guitar Concentrations

- In lieu of Music Education 1658, 1659: *Guitar* (2 s.h.), classical guitarists must take Music Studies 2114: *History of Jazz* (3 s.h.); jazz guitarists must take Music Studies 4112: *Jazz Arranging I* (3 s.h.).
- Both classical and jazz guitarists must take Music Education 3635-3636: *Functional Guitar*, unless waived upon examination by the instructor.

Clinical Training

- A total of 1200 hours of supervised clinical training is required prior to graduation.

Music Therapy Grades

- Grades below B- in any music therapy course may not be applied toward degree requirements in music therapy. Students may retake such courses only once, only with faculty approval. If a grade below B- is earned upon retaking the course, the student will not be permitted to continue as a music therapy major but may be eligible to change to a different curriculum.

Music Therapy, Jazz Concentration

Bachelor of Music: Music Therapy Jazz Concentration

Freshman Year - 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	1201 or 1401 or 1501	Jazz Concentration	2	
Music	1405	Secondary Piano for Music Majors	1	
Music	1211	Voice Class	1	
Music Education	4611	Music Therapy Overview	3	
Music Education	1658	Guitar I	1	
Music	varies	Ensemble	1	
Music Studies	1711	Theory I	4	
English	0802	Analytical Reading & Writing	4	GW
Subtotal			17	

Freshman Year - 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	1202 or 1402 or 1502	Jazz Concentration	2	
Music Studies	1106	Jazz Secondary Piano	1	
Music	1212	Voice Class	1	
Music Education	1659	Guitar II	1	
Music	Varies	Ensemble	1	
Music Studies	1712	Theory II (Jazz)	4	
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	Quantitative Literacy	4	GQ
Subtotal			17	
Sophomore Year - 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	2201 or 2401 or 2501	Jazz Concentration	2	
Music Studies	2105	Jazz Secondary Piano	1	
Music Education	3635	Functional Guitar	1	
Music Education	3631	Functional Voice	1	
Music	Varies	Ensemble	1	
Music Studies	2711	Theory III (Jazz)	4	
Music Education	4641	Music Therapy Experiences I	1	
Music Education	4616	Developmental Music Therapy	3	
IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			17	
Sophomore Year - 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	2202 or 2402 or 2502	Jazz Concentration	2	
Music Studies	2106	Jazz Secondary Piano	1	
Music Education	3636	Functional Guitar	1	
Music Education	3632	Functional Voice	1	
Music	Varies	Ensemble	1	
Music Studies	2712	Theory IV (Jazz)	4	
Music Education	4614	Psychiatric Music Therapy	3	
Music Education	4642	Music Therapy Experiences II	1	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Subtotal			17	
Junior Year - 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music Education	3633	Functional Piano	1	
Music	2323	Basic Conducting	1	
Music Studies	2703	Music in History	3	

Music Education	4619	Medical/Rehabilitative Music Therapy	3	
Music Education	4643	Music Therapy Experiences III	1	
Music Education	3689	Fieldwork in Music Therapy	2	
Psychology	2301	Developmental Psychology	3	
GenEd	08xx	Science & Technology I	3	GS
Subtotal			17	
Junior Year - 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Education	3634	Functional Piano	1	
Music	2324	Conducting Intermediate	1	
Music Education	3689	Fieldwork in Music Therapy	2	
Music Studies	3696	Music in History	3	WI
Psychology	2201	Psychopathology	3	
GenEd	08xx	Science & Technology II	3	GS
GenEd	08xx	U.S. Society	3	GU
Subtotal			16	
Senior Year - 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music Education	4696	Music Therapy Research	3	WI
Music Education	3689	Fieldwork in Music Therapy	2	
Music Studies	3196	History of Pop	3	WI
GenEd	08xx	World Society	3	GG
GenEd	08xx	Race & Diversity	3	GD
Subtotal			14	
Senior Year - 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Education	4613	Music Therapy Foundations	3	
Music Studies	2105	Jazz Secondary Piano	1	
Music Education	4618	Music Therapy Ethics	2	
Music Education	4685	Music Therapy Clinical Internship	6	
Subtotal			12	
Degree Total			127	

NOTES

Voice Concentration

- In lieu of Music 1211-1212: Voice (2 s.h.), classical singers must take Music Studies 2114: *History of Jazz* (3 s.h.); jazz singers must take Music Studies 4112: *Jazz Arranging I* (3 s.h.).

- Classical and jazz singers must take Music Education 3631-3632: *Functional Voice*, unless waived by examination.

Piano Concentration

- In lieu of Music 1405, 1406, 2405: *Secondary Piano* (3 s.h.), classical pianists must take Music Studies 2114: *History of Jazz* (3 s.h.); jazz pianists must take Music Studies 4112: *Jazz Arranging I* (3 s.h.).
- In lieu of Music 1405, 1406: *Secondary Piano*, classical pianists must take two credits of jazz piano; jazz pianists must take two credits of jazz electives.
- Both classical and jazz pianists must take *Functional Piano* (Music Education 3633 or 3634) unless waived upon examination by instructor.

Guitar Concentration

- In lieu of Music Education 1658/1659: *Guitar* (2 s.h.), classical guitarists must take Music Studies 2114: *History of Jazz* (3 s.h.); jazz guitarists must take Music Studies 4112: *Jazz Arranging I* (3 s.h.).
- Both classical and jazz guitarists must take Music Education 3635/3636: *Functional Guitar*, unless waived upon examination by the instructor.

Clinical Training

- A total of 1200 hours of supervised clinical training is required prior to graduation.

Music Therapy Grades

- Grades below B- in any music therapy course may not be applied toward degree requirements in music therapy. Students may retake such courses only once, only with faculty approval. If a grade below B- is earned upon retaking the course, the student will not be permitted to continue as a music therapy major, but may be eligible to change to a different curriculum.

Bachelor of Science Program

Bachelor of Science, Major in Music

Michael Klein
Chair, Music Studies
michael.klein@temple.edu
215-204-8322

This program is designed to prepare students for entry-level positions in such fields as library science, the publishing industry, communications, the new computer software industry, and other new and diverse areas of the music profession. Applicants must arrange to take examinations in the area of musicianship before qualifying for admission to the program. This may be done by contacting Mr. James Short (215-204-8598) at the Boyer College of Music.

Bachelor of Science in Music Major

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	1405	Secondary Piano for Music Majors	1	
Music	Varies	Choral Ensemble	1	
Music Studies	1711	Theory I	4	
		Elective	3	
English	0802	Analytical Reading & Writing	4	GW
GenEd	08xx	Race & Diversity	3	GD
Subtotal			16	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	1406	Secondary Piano for Music Majors	1	
Music	Varies	Choral Ensemble	1	
Music Studies	1712	Theory II	4	
GenEd	08xx	Quantitative Literacy	4	GQ
GenEd	08xx	U.S. Society	3	GU
Music Studies	4715	World Music	3	
Subtotal			16	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	2405	Secondary Piano for Music Majors	1	
Music	Varies	Choral Ensemble	1	
Music Studies	2711	Theory III	4	
Music Studies	2703	Music in History	3	
IH	0851	Mosaic: Humanities Seminar I	3	GY
GenEd	08xx	World Society	3	GG
Subtotal			15	
Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	2406	Secondary Piano for Music Majors	1	
Music	Varies	Choral Ensemble	1	
Music Studies	2712	Theory IV	4	
Music Studies	2704	Music in History	3	
GenEd	08xx	Human Behavior	3	GB
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Subtotal			15	
Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI

Music	Varies	Choral Ensemble	1	
Music	2323	Basic Conducting	1	
Music Studies	3696	Music in History	3	WI
Music Studies	3713	Orchestration	3	
		Foreign Language I	4	
GenEd	08xx	Science & Technology I	3	GS
Subtotal			15	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	Varies	Choral Ensemble	1	
Music	2324	Conducting Intermediate	1	
Music Studies	4717	Counterpoint	3	
Music Studies	3741	Keyboard Harmony	3	
		Foreign Language II	4	
Music Studies	3796	Music in History	3	WI
Subtotal			15	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	Varies	Choral Ensemble	1	
Music	4323	Conducting Choral	2	
Music Studies	3196 <i>or</i> 2114	History of Pop <i>or</i> History of Jazz	3	WI
Music Studies	1704	Music in American Society	3	
GenEd	08xx	Science & Technology II	3	GS
		Foreign Language III	3	
Subtotal			15	
Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Studies	4718	Analysis	3	
Music Elective		Music Electives	8	
Music Studies	Elective	Music Theory	3	
General Elective	Elective	Foreign Language IV	3	
Subtotal			17	
Degree Total			124	

Department of Dance General Information

Founded 1974

Dr. Robert T. Stroker, Dean
Temple University Department of Dance
1700 N. Broad Street, Suite 309
Philadelphia, PA 19122-0843
215-204-8710
danceadm@temple.edu
www.temple.edu/boyer/dance

Mission

The Temple University Department of Dance is committed to artistic and academic excellence in a socially-inclusive environment that affirms dance as central to society and culture. We value dance as a performing art manifested artistically, culturally, and personally, and we embrace dance as a vehicle for social change. The department's artistic, scholarly, and educational work is based on the premise that the physical dimensions of human experience are indivisible from their intellectual and spiritual counterparts.

Accreditation

Full accredited Member of the National Association of Schools of Dance (NASD).

Admissions

Admission into the dance major program requires three items:

1. A general university application submitted to the Office of Undergraduate Admissions;
2. A dance application submitted to the Department of Dance; and,
3. Attendance at an audition located on Temple University Main Campus in Philadelphia.

A dance audition cannot be scheduled until the general university application has been submitted to the Office of Undergraduate Admissions and the Dance Admissions Office receives the completed dance application. Please note that Temple University will not make an admission decision until applicants attend a dance audition.

The dance audition consists of technique classes divided into sections of ballet, modern, and African dance; a one-two minute solo of an applicant's own choreography; and an interview. The faculty attempts to choose students with physical, artistic, and intellectual potential to enter and complete the dance program and the university curriculum. The faculty is concerned that potential students' goals and aspirations are supported by the department philosophy, maximizing success in the program.

For additional information regarding dance admissions and for an application, please visit:
www.temple.edu/boyer/dance

Financial Aid

Entering Student Scholarships are offered by the Dance Department following successful entrance auditions and are based on artistic talent and potential for success in the dance curriculum. No separate application is necessary. Awards range from \$1,000-\$2,500 and are for one year only.

Awards

B.F.A. Performance Award - Honors a graduating B.F.A. student who has demonstrated excellence in dance performance during the academic year.

B.F.A. Choreography Award - Honors a graduating B.F.A. student who has demonstrated excellence in choreography during the academic year.

B.F.A. Scholar Award - Honors a graduating B.F.A. student who has demonstrated excellence in overall academic achievement during the academic year.

Dance Academic Advising Center

Kun-Yang Lin
Acting Undergraduate Coordinator
1700 N. Broad Street, Suite 309
215-204-5168
kunyanglin@temple.edu

Academic advisors attempt to avoid errors when advising students about their program requirements, but schools and colleges cannot assume liability for errors in advising. Therefore, students must assume primary responsibility for knowing the requirements for their degree and for acquiring current information about their academic status. It is not the responsibility of the advisor to monitor the academic rosters of individual students for errors in registration.

Dance Program Academic Policies

Please see the [Undergraduate Academic Policies](#). Students are responsible for complying with all university-wide academic policies that apply to their individual academic status. Additional and unique policies, or exceptions for the Boyer College of Music, Department of Dance, appear below.

Leave of Absence:

Students must submit a written proposal to the B.F.A. coordinator no later than three months in advance of the semester in which the leave is to take place, stating the reason(s) why the leave is necessary. A Leave of Absence must be authorized by the dance faculty. Leaves of Absence are

approved for one semester only and will not be granted more than one time during the student's academic program.

Injury Policy:

An injury may affect a student's ability to continue successfully in a course. A student who is injured is expected immediately to contact the assigned instructor to discuss the possibility of continuance in the course.

Dance Technique Placement Class:

All entering and returning undergraduates are required to attend a modern and ballet technique placement class in the beginning of each semester. Students who do not attend the placement class will be subject to automatic placement in a class by the dance faculty.

Independent Study and Field Experience:

Students who wish to register for Independent Study or Field Experience must submit a written proposal to the B.F.A. coordinator no later than two months in advance of the semester in which the study is to be accomplished. A student who is on academic probation may not register for Independent Study or Field Experience. Credits will not be granted retroactively, and no more than 4 credits will be awarded over the course of a student's undergraduate study.

Full-Time/Part-Time Status:

The semester load for full-time undergraduate students is 17 credits. Undergraduate students must carry at least 12 credit hours to be classified as full-time. The B.F.A. program in Dance requires matriculated students to attend on a full-time basis each semester. Students who have been full-time for at least four semesters may petition the B.F.A. coordinator no later than two months in advance for approval to enroll in the subsequent semester on a part-time basis. All requests for part-time status must be approved by the dance faculty. Part-time status is granted for one semester only. Students who are on academic probation are not eligible for part-time status. If a student is granted part-time status and is then placed on academic probation, part-time status will be revoked.

Academic Overloads (18 or more semester hours):

Academic overloads need special approval from the B.F.A. coordinator. Students who are on academic probation are not eligible for academic overloads.

First Year Program Review:

At the end of the freshman year, each student's progress will be formally evaluated in the following categories to determine suitability for continued study within the dance program.

Academic Progress:

- Students must maintain a 2.5 minimum average in dance courses each semester.
- Students must maintain a 2.25 minimum overall average each semester.
- No more than one grade below B- in a dance course is permitted.
- No withdrawals or incompletes in dance courses are permitted.
- At least one semester of production requirement must be completed.
- Successful completion of the following dance courses, in addition to those listed for the second-year review:

1. Dance 1801: *Movement Sources & Concepts*
2. Dance 1811: *Movement Improvisation I*
3. Dance 1813: *Freshman Repertory*
4. At least three modern technique classes
5. At least two ballet technique classes

Artistic Progress:

Technical Growth: Students must be able to apply, demonstrate, and articulate verbally conceptual understanding of alignment, strength, and mobility. They must be able to learn and successfully perform movement phrases that deal with the following elements either singly or in simple combinations:

1. Rhythmic pattern
2. Change of direction
3. Spatial pathways
4. Peripheral and central movement initiation
5. Contrasts in energy qualities

Improvisation: Students must demonstrate their ability spontaneously to create solo movement and demonstrate their understanding of basic partnering techniques and improvising in groups. Students will be able to generate movement material that both explores and expands their expressive range as dancers.

Creative Engagement:

- Students must participate in one student performance or audition one finished work for the student concert;
- Students must demonstrate consistent attendance, focus, intellectual curiosity, and openness to new approaches, as reflected in faculty evaluations of student coursework;
- Students must demonstrate receptivity to feedback and in-class evaluation from instructors, and apply this information in subsequent work; and,
- Students are expected to maintain positive professional interactions with peers and faculty.

Second Year Program Review:

At the end of the second year, each student's progress will be evaluated in the following categories to determine suitability for continued study within the dance program. As part of this

process, students will submit an essay in which they assess their artistic and professional development within the curriculum.

Academic Progress:

- Students must maintain a 2.5 minimum average in dance courses each semester.
- Students must maintain a 2.25 minimum overall average each semester.
- No more than one grade below B- in a dance course is permitted.
- No withdrawals or incompletes in dance courses are permitted.
- Both semesters of production requirement must be completed.
- Successful completion of the following dance courses, in addition to those listed for the first-year review:

1. Dance 2813: *Dance Composition I*
2. Dance 2814: *Dance Composition II*
3. Dance 2796 & 2896: *Dance Modernism and Dance Post-Modernism*
4. At least four more modern technique classes. (Note: By the end of the second year, students must minimally be ready to enter *Intermediate Modern Dance*.)
5. At least two more elective technique classes

Artistic Progress:

Technical Growth: Students must demonstrate awareness of postural alignment issues and articulate personal strategies for addressing them. Alignment and strength must be demonstrated in demi and grande plie in first and second positions and in movement sequences through space. Evidence of adequate progress in these areas will be provided through faculty evaluations of student class work and in faculty progress reports submitted for the Second Year Review.

Students must demonstrate:

- The ability to mobilize the spine over a stable base, the ability to execute leg gestures without disrupting spinal alignment;
- The ability to learn and perform movement phrases that deal with the following elements at increasing levels of complexity: stamina, elevation, level changes, balance, and falls;
- Rhythmic patterns: the ability to work with shifting accents;
- Changes in direction and level, simple turns;
- Spatial pathways, ability to reverse combinations;
- Peripheral and central movement initiation, breath, flow, momentum; and,
- Increasingly-refined articulation of energy qualities and phrasing.

Choreography: Students must be able to create and perform a dance that:

- Successfully communicates an idea of personal significance;
- Demonstrates the ability to develop thematic movement material;
- Investigates movement imaginatively;
- Explores a range of dynamic qualities; and,
- Reflects a basic understanding of choreographic structure.

Students must also be able to discuss their work and the process by which they created it.

Creative Engagement:

- By the end of the sophomore year, students must have either auditioned two pieces of their choreography for a student concert or performed in two student works;
- In class, students must demonstrate consistent attendance, focus, intellectual curiosity, and openness to new approaches and as reflected in faculty evaluations of student coursework;
- Students must demonstrate receptivity to feedback and in-class evaluations from instructors, and apply this information in subsequent work;
- Students are expected to maintain positive, professional interactions with peers and faculty; and,
- Students are expected to participate in one audition or recruitment event.

Dance Composition Sequence

All students must enroll in the following courses in sequence: *Dance Composition I*, *Dance Composition II*, *Dance Composition III*, and *Creative Process*. These courses may not be taken out of sequence and may not be taken during the same semester. All of the above courses must be successfully completed before a student can register for *Senior Choreographic Projects*.

Dance Technique

Freshman dance majors must register for three modern technique classes and two ballet technique classes in the first year. Sophomore dance majors must register for modern technique at least four days a week. Junior and senior dance majors are required to be in technique classes at least four days a week and are required to register for at least one modern dance course each semester. If a student fails to register for a modern technique class in any semester, he or she will be placed on academic probation.

In addition, students must fulfill a minimum of 6 credits in a secondary technique (ballet, jazz, or improvisation). Three African technique classes can also fulfill the secondary technique requirement. Students are also required to register for one African dance class by the time of graduation and two semesters of ballet technique during the first year of coursework.

General College Graduation Requirements

1. Dance required GPA for graduation: 2.25 cumulative, 2.5 in dance major
2. Dance Contact Information: 1700 N. Broad Street, Suite 309, 215-204-8710
3. Dance Requirements: Please see dance program of study
4. Special Course Sequence: *Dance Composition I*, *Dance Composition II*, *Dance Composition III*, and *Creative Process*.

- Must be taken in the above sequence

- Cannot be taken out of order or during the same semester
- All must be completed before students register for *Senior Choreographic Projects*.

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

- New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.
- New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

All Temple students must take a minimum of two writing-intensive courses as part of the major. See the [Dance Major](#) page for the specific courses that are required for dance majors.

Important Student Contact Information

Contact information for Academic Departments can be found under the listing for each individual program, in the preceding section, [Boyer College of Music and Department of Dance Programs](#).

Dance Department:

Department Chairperson

Dr. Kariamu Welsh
1700 N. Broad Street, Suite 309
215-204-6286
kariamu@temple.edu

Dance Admissions

Elizabeth Denniston
1700 N. Broad Street, Suite 309
215-204-0533
dance@temple.edu

Department Secretary

Marie Abbondanza (Acting)
1700 N. Broad Street, Suite 309
215-204-6279

Technical Director/Conwell Dance Theater

Nanette Hudson Joyce
1700 N. Broad Street, Suite 309

215-204-6177
njoyce@temple.edu

Department Administrative Coordinator

Tania Y. Ramos Otón
1700 N. Broad Street, Suite 309
215-204-5169
danceadm@temple.edu

Faculty

Dance Department (Full-time Faculty):

Dr. Karen Bond, Associate Professor, Ed.M. Program Coordinator.
Eva Gholson, Professor.
Philip Grosser, Professor, B.F.A.
Jillian Harris, Assistant Professor.
Dr. Luke Kahlich, Professor, Ph.D. Program Coordinator.
Kun-Yang Lin, Assistant Professor, Acting B.F.A. Program Coordinator.
Dr. Joellen Meglin, Associate Professor.
Merián Soto, Associate Professor, M.F.A. Program Coordinator.
Dr. Kariamu Welsh, Professor, Dance Department Chairperson.

Faculty contact information and biographies can be found at: www.temple.edu/boyer/dance

Dance Department (Administration):

Marie Abbondanza, Acting Department Secretary.
Elizabeth Denniston, Dance Admissions Coordinator.
Nanette Hudson Joyce, Technical Director/Conwell Dance Theater.
Tania Y. Ramos Otón, Department Administrative Coordinator.

Dance Major

Kariamu Welsh, Chairperson

Kun-Yang Lin, Acting Undergraduate Coordinator
1700 N. Broad St., Suite 303A
215-204-5168
kunyangl@temple.edu
www.temple.edu/boyer/dance

The Bachelor of Fine Arts in Dance emphasizes modern dance technique, performance, and choreography. The program provides a sound preparation for students wishing to pursue further training or embark on a professional career. Within the curriculum, students may elect courses

that prepare them for work and/or further study in the fields of physical therapy, dance/movement therapy, dance production, education, and arts management. The B.F.A. provides students with the opportunity to master a range of dance techniques, choreography, production, and theory, and to study other arts, sciences, and humanities.

The degree program in dance aims to:

- Guide students toward a balance of cognitive, analytic, intuitive, and creative skills;
- Aid students in development of their creative potential through technique, choreography, performance, research, and other creative media;
- Educate students about the various forms and purposes of dance within their historical, social, and cultural contexts;
- Provide intensive training in a range of dance techniques and styles as represented by the faculty and selected guest artists; and,
- Prepare students for professional careers as performing artists, choreographers, teachers, scholars, and informed and responsible leaders in academic and other professional settings.

The Bachelor of Fine Arts degree in Dance is conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 123 semester hours of credit and completion of the required Dance and university requirements.

Dance Resources: The Dance Department, with its three studios, rehearsal room, Pilates and Dance Medicine Clinic, black-box theater, video library, and assorted classrooms, embraces a broad array of activities. The Philadelphia Dance Collection at Temple University (PDCAT) provides access to the dance legacy of the region through a permanent collection of multi-format archival resources related to the history of Philadelphia dance.

Special Opportunities: The Conwell Dance Theater season provides many opportunities for students to perform and choreograph. A typical season features two student concerts, two Master of Fine Arts thesis concerts, two Bachelor of Fine Arts senior concerts, a faculty dance concert, and an alumni concert. Added to this are performances by guest artists, repertory showings, and informal student choreography performances. Recent guest artists have included Donna Uchizono; Sean Curren; Cornelius Carter; Ruth Andrien, former soloist with the Paul Taylor Dance Company; and Nina Watt, member of the José Limón Dance Company.

Summary of Requirements for the Dance Major

University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

- New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.
- New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

All Temple students must take a minimum of two writing-intensive courses as part of the major. See below for a list of the specific courses that are required for dance majors.

College Requirements for the Dance Major

Department	Course #	Course Name	Hours	RCI
Dance	1801	Movement, Sources & Concepts	3	
Dance	1819	Dance Production	1	
Dance	2796	Dance Modernism	3	WI
Dance	2896	Dance Post-Modernism	3	WI
Dance	2904	Dance in Human Society-Honors	3	
Dance	3812	Creative Process in Dance	3	
Dance	3851	Lighting Design for Dance	3	
Dance	3876	Rhythmic Analysis	3	
Dance	4831	Introduction to Laban Movement Analysis	3	
Dance	4896	Senior Seminar	3	WI
Subtotal			28	

Dance - Required Techniques**

Department	Course #	Course Name	Hours	RCI
Dance	1814	Graham-based Technique	2	
Dance	1815	Elements of Modern Dance I	2	
Dance	2815	Intermediate Modern Dance I	2	
Dance	2816	Intermediate Modern Dance II	3	
Dance	3817	Advanced Modern Dance I	2	
Dance	3818	Advanced Modern Dance II	3	
Dance	4819	Advanced Modern Dance III	3	
Dance	1832	Classical Ballet II	2	
Dance	2832	Classical Ballet III	2	
Dance	3832	Classical Ballet IV	2	
Dance	1804	Jazz Dance I	2	
Dance	4842	Jazz Dance II	2	
Dance	4843	Jazz Dance III	2	
Dance	2853	African Dance I	1-3	
Dance	3853	African Dance II	1-3	
Subtotal (Minimum Required Hours)**			36-42	

****Note on Required Dance Techniques:** Freshman dance majors are required to take four modern technique courses and two ballet technique courses. Sophomore dance majors are required to take four modern technique courses. Junior and senior dance majors must be in technique class four days a week and are required to register for at least one modern dance course each semester. In addition, students are required to choose a minimum total of 6 credits in a second technique, which could include: ballet, jazz, improvisation, or African dance. Students are also required to take one semester of African technique. Because of these multiple

requirements, the minimum required hours is not a mathematical total of the courses listed above it.

Performance and Choreography Required Courses

Department	Course #	Course Name	Hours	RCI
Dance	1811	Movement Improvisation I	2	
Dance	2813	Dance Composition I	2	
Dance	2814	Dance Composition II	2	
Dance	3815	Dance Composition III	2	
Dance	1813	Freshman Repertory	3	
Dance	4874	Dance Repertory	3	
		<i>or</i>		
Dance	4811	African Dance Repertory	3	
Dance	4884	Senior Choreographic Project	3	
Subtotal			17	

Required University General Education (for new Freshmen)

Department	Course #	Course Name	Hours	RCI
English	0802	Analytical Reading & Writing	4	GW
IH	0851	Mosaic: Humanities Seminar I	3	GY
IH	0852	Mosaic: Humanities Seminar II	3	GZ
GenEd	08xx	Quantitative Literacy	4	GQ
GenEd	08xx	Race & Diversity	3	GD
GenEd	08xx	U.S. Society	3	GU
GenEd	08xx	World Society	3	GG
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	Science & Technology I	3	GS
GenEd	08xx	Science & Technology II	3	GS
Subtotal			32	

Dance and Other Electives***

Department	Course #	Course Name	Hours	RCI
Dance	1807	Hatha Yoga I	2	
Dance	2805	Dance, Movement & Pluralism	3	
Dance	3811	Field Experience in Dance	1-8	
Dance	3882	Independent Study in Dance	1-4	
Dance	4861	Dance Science & Somatics*	3	
Dance	4871	Movement Improvisation II	2	
Dance	4875	Contact Improvisation	2	
Subtotal (Dance and/or Other Discipline -- Minimum Required Hours)			13	

*See your dance advisor.

*** Dance or Other Electives: Remaining credits can be used for electives within the Dance Department or for courses in other academic areas. Within the department, students can take dance technique courses listed above or dance academic courses.

Bachelor of Fine Arts: Dance - Suggested Semester-by-Semester Plan

Freshman Year - 1st Semester				
Department	Course #	Course Name	Hours	RCI
Dance	1801	Movement, Sources & Concepts	3	
Dance	1813	Freshmen Repertory	3	
Dance	1814	Graham-Based Technique	2	
Dance	1815	Elements of Modern Dance I	2	
Dance	1819	Dance Production	1	
Dance	1832	Classical Ballet II	2	
English	0802	Analytical Reading & Writing	4	GW
Subtotal			17	
Freshman Year - 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Dance	1811	Movement Improvisation	2	
Dance	1814	Graham-Based Technique	2	
Dance	1815	Elements of Modern Dance I	2	
Dance	1832	Classical Ballet II	2	
GenEd	08xx	Quantitative Literacy	4	GQ
IH	0851	Mosaic: Humanities Seminar I	3	GY
Subtotal			15	
Sophomore Year - 1st Semester				
Department	Course #	Course Name	Hours	RCI
Dance	1815	Elements of Modern Dance I	2	
Dance	2796	Dance Modernism	3	WI
Dance	2813	Dance Composition I	2	
Dance	2815	Intermediate Modern Dance I	2	
Dance	2853	African Dance I	2	
Dance	2803 or 2904	Dance in Human Society	3	
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Subtotal			17	
Sophomore Year - 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Dance	2814	Dance Composition II	2	
Dance	2815	Intermediate Modern Dance I	2	
Dance	2816	Intermediate Modern Dance II	3	

Dance	2896	Dance Post-Modernism	3	WI
Dance		Elective	2	
GenEd	08xx	Science & Technology I	3	GS
Subtotal			15	
Junior Year - 1st Semester				
Department	Course #	Course Name	Hours	RCI
Dance	1816	Rhythmic Analysis	3	
Dance	2815	Intermediate Modern Dance I	2	
Dance	3815	Dance Composition III	2	
Dance	3817	Advanced Modern Dance I	2	
GenEd	08xx	U.S. Society	3	GU
GenEd	08xx	Science & Technology II	3	GS
Subtotal			15	
Junior Year - 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Dance	2815	Intermediate Modern Dance I	2	
Dance	3812	Creative Process in Dance	3	
Dance	3818	Advanced Modern Dance II	3	
Dance	3851	Lighting Design for Dance	3	
Dance		Elective	2	
GenEd	08xx	World Society	3	GG
Subtotal			16	
Senior Year - 1st Semester				
Department	Course #	Course Name	Hours	RCI
Dance	3818	Advanced Modern Dance II	3	
Dance	4831	Introduction to Laban Movement Analysis	3	
Dance	4874	Dance Repertory	3	
Dance	4896	Senior Seminar	3	WI
GenEd	08xx	Human Behavior	3	GB
Subtotal			15	
Senior Year - 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Dance	3818	Advanced Modern Dance II	3	
Dance	4884	Senior Choreographic Project	3	
Dance		Elective	2	
Dance		Elective	2	
GenEd	08xx	Race & Diversity	3	GD
Subtotal			13	

DEGREE TOTAL			123	
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- The total number of credit hours may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.
- Certain courses fulfill multiple requirements. In consultation with an academic advisor, students will be able to plan their curriculum more effectively.
- Students must fulfill the necessary prerequisites for any given course or course sequence. See the [Prerequisite and Co-Requisite Policy](#) in the university-wide Academic Policies section in this *Bulletin*.

COLLEGE OF SCIENCE & TECHNOLOGY

Founded 1998

Hai-Lung Dai, Dean
A411 Barton Hall
1900 N. 13th Street
215-204-2888
www.temple.edu/cst
cst@temple.edu

Introduction

Science and technology have been responsible for a profound transformation of the world in the 20th-century and will drive the economy of the 21st-century. The objectives of the undergraduate programs of the College of Science and Technology are to prepare students for careers in these important areas and to graduate informed, responsible citizens.

The college approaches science and technology as a body of knowledge that has an advancing frontier and a complex interface with society. The traditional mandate for a university is to provide undergraduate students with a comprehensive education and the opportunity to focus closely on a particular area of study. The College of Science and Technology embraces this mandate and extends additional opportunities to our students. Science and Technology students are encouraged to participate in faculty research projects and thus experience the advancement of this body of knowledge.

Bachelor of Science programs offer a greater concentration in major coursework, while Bachelor of Arts programs offer a greater variety of coursework. All programs offer undergraduates the opportunity to work with distinguished faculty and a richly-diverse and stimulating student body as they prepare for active roles in society.

Mission Statement

The mission of the College of Science and Technology is to provide students with the best possible resources for learning. The college's preeminent faculty, laboratories, and research facilities offer students the means necessary to excel in their academic endeavors. The college

focuses on integrating the most advanced technology with fundamental concepts in a hands-on learning environment to prepare students for an active role as informed, responsible individuals for continued professional and personal success.

Admissions

See [Undergraduate Admissions](#) for more details.

Financial Aid/ Scholarships

See Financial Information: [Scholarships & Grants](#) for more details.

Special Programs

Study Abroad

See [International Programs](#) in the Opportunities section of this *Bulletin* and Temple University's Study Abroad web site at www.temple.edu/studyabroad for more information about study abroad options.

University Honors Program

Students in the College of Science and Technology may apply to the University Honors Program. Honors students are eligible to enroll in CST honors courses, provided that they have satisfied the prerequisites and co-requisites. Honors courses are designated with a nine as the second digit in the four-digit number, e.g. Mathematics 1941 is *Honors Calculus I*. See Academic Opportunities: [University Honors Program](#) for more information.

TUteach Certification for Secondary Education

Six Bachelor of Science programs enable students to prepare for secondary education certification while mastering the content of their field. The programs are: Biology with Teaching, Chemistry with Teaching, Earth and Space Science with Teaching, General Science with Teaching, Mathematics with Teaching, and Physics with Teaching. The programs require that students complete the collegial Bachelor of Science requirements and a total of 124 credits. See the [TUteach Programs](#) for more details.

Five-Year Master's Programs and Teacher Certification

The Biology, Chemistry, Earth & Environmental Science, Mathematics, and Physics Departments enable talented students to complete both a bachelor's degree in one of the above departments and a master's degree in Education in five years.

Students who want to combine teacher certification with a major in one of these areas may take a minor in Education during their undergraduate study. After earning a bachelor's degree in one of the aforementioned disciplines, students spend an additional year as a graduate student in the

College of Education. Students who complete this program earn a Master of Education degree and are certified to teach in Pennsylvania schools. See the [College of Education](#) for more details.

Early Admission to Professional Programs

Students in the College of Science and Technology who have been admitted to one of the following programs: Temple University School of Medicine, Temple University Kornberg School of Dentistry, Temple University School of Podiatry, Temple University School of Pharmacy, or the Doctorate of Physical Therapy, at the end of their third year and have completed 90 semester hours, including all requirements of the college, may transfer their first year in professional study toward the completion of the requirements for the degree of Bachelor of Arts. Biology and Chemistry majors may also transfer approved courses in their first year in professional study toward the elective courses in their major.

Students in the College of Science and Technology who have been admitted to other health-related professional schools at the end of their third year and have completed 90 semester hours, including all requirements of the college and of their majors with a cumulative GPA of at least 3.5, may petition the dean for the transfer of their first year in professional study toward the completion of the requirements for the degree of Bachelor of Arts.

Awards and Achievements

Awards

Juniors and seniors are often honored for outstanding performance in a variety of academic areas and for exceptional service to the college and the university. Information about these awards is available in departmental offices or in the Office of Student Services, 1810 Liacouras Walk, Room 203.

Distinction in Major

Many programs allow exceptional students to receive a Distinction in Major. Please see the *Bulletin* pages for the specific requirements for any particular major.

Phi Beta Kappa

See Opportunities: Honor Societies: [Phi Beta Kappa](#).

Student Associations

Majors' Associations

Many of the departments within the College of Science and Technology support student interest organizations known as Majors' Associations or Societies. Each department organization provides an opportunity for students to interact with faculty and other students who share similar

interests. It is through these venues that students may influence course offerings, faculty recruitment, and departmental policy.

- Biochemistry Society
- Biology Society
- Chemistry Society
- Association for Computing Machinery (C+IN SC and IS&T)
- Geology Society
- Society for Undergraduate Mathematics
- Physics Society
- Research Society

Pre-Professional Health Associations

Temple University has many pre-professional health organizations that may interest students in the College of Science and Technology. These organizations allow students to interact with others with similar professional interests and gain more knowledge about admissions requirements and examinations.

- American Medical Student Association
- Pre Pharmacy Association
- Pre-Dental Health Society
- Pre-Student Osteopathic Medical Association
- Pre-Veterinary Association of Temple

Academic Advising

The Office of Student Services
1810 Liacouras Walk
Suite 203
215-204-2890
www.temple.edu/cst
cst@temple.edu

The Office of Student Services in the College of Science and Technology guides students from new student orientation through graduation to ensure that they complete all degree requirements and work to their fullest potential. Faculty advisors in each major use their knowledge of departmental curriculum to help students choose courses consistent with their specific career objectives.

Specialized services offered by this office include:

- **New Student Orientation**—Group advising and registration appointments for all newly-admitted first-semester freshmen and transfer students.

• **Advising and Registration Services**—Students may want to meet with professional advisors at different times during their academic career to check on remaining graduation requirements. The express advising and advising-by-appointment schedule is available at www.temple.edu/cst/advising/officehours.html. Registration with an advisor is required for students with a cumulative or last semester attended or major/track GPA below 2.0 and for any students registering for 18 or more credits. Newly-admitted or readmitted students are also required to meet with an advisor for registration.

• **Petitions for Exception to Policy**—Petitions are reviewed on a rolling basis by the Director and Assistant Director of Student Services. Typical petition requests include those for overload approval, for attending another institution for a semester or summer session, and for curriculum exceptions.

• **Graduation Review**—At 90 credits, students are required to schedule an official graduation review with their academic advisor. The advisor will explain the remaining course and credit requirements needed to graduate.

Departmental Advising

After their New Student Orientation advising and registration session, students' major departments will have access to their academic credentials for subsequent advising by faculty advisors. Faculty advising is very important in developing ties between a student's academic program and his or her professional goals. Faculty advisors may assist students in finding research opportunities and professional internships and will help students choose courses that will best prepare them for their field of interest within a particular discipline.

Academic Advising and Student's Responsibility

All academic advisors are trained to read and evaluate information carefully to give students the best possible advice. However, primary responsibility for curriculum completion rests with the student. Every student must be aware of the requirements of his or her degree and should obtain advising on a regular basis to ensure timely completion of his or her program.

Student Advisors/Ombudspersons

Each department in the College of Science and Technology has a Student Advisor/Ombudsperson (SA/O) who is a qualified undergraduate student in that department. The SA/O is thoroughly familiar with requirements and curricula of the department and can competently advise fellow students on the courses and faculty members of the department. He or she also has information about career options for the department's graduates.

Student Grievance Procedure

The SA/O is familiar with the College of Science and Technology Grievance Procedure and is the first person to consult in case of an academic grievance. The SA/O will serve as a student-faculty liaison and attempt to resolve the grievance. A student must initiate this first stage of the

academic grievance procedure no later than thirty days after the beginning of the fall or spring semester immediately following the completion of the course in which the grievance occurred. A copy of the College of Science and Technology grievance procedure can be obtained from the SA/O. Each SA/O has an office in his or her department, and the SA/O program coordinator is located in the Office of Student Services.

Continuing Student Registration

Continuing student registration is the period during the fall and spring semesters when currently-enrolled students should register. Degree Audit Reports (DARS) provide a compact summary of a student's progress toward a degree, including a list of requirements yet to be completed. Eligible students obtain their DARS documents via OWLnet.

Prior to processing their registrations, freshmen are strongly recommended to meet with advisors to review their DARS documents and discuss course selections for the upcoming semester. New transfer students and continuing students in good academic standing are encouraged to meet with their departmental advisors before processing their schedules via OWLnet. Students ineligible to use OWLnet are required to meet with an advisor.

Pre-Professional Advising

Students intending to apply to a school of pharmacy should reside in the College of Science and Technology. The curriculum and advising of these students is specifically tailored to fulfill the prerequisites set forth by the Temple University School of Pharmacy. ***Pre-pharmacy students must declare a major upon completion of 30 credits.***

Many of the courses required by professional programs such as dentistry, medicine, pharmacy, and veterinary medicine are incorporated into College of Science and Technology curricula. This approach allows our students to fulfill degree requirements, while at the same time meeting admissions criteria for professional and graduate programs.

Knowledge gained in the College of Science and Technology curricula provides the foundation needed in preparing for Professional School entrance exams.

Academic Policies & Regulations

Please see the [Undergraduate Academic Policies](#) in this *Bulletin*. Students are responsible for complying with all university-wide academic policies that apply to their individual academic status. Additional and unique policies, or exceptions for the College of Science and Technology (CST), appear below.

Academic Holds

Pre-Pharmacy

Pre-Pharmacy students who have completed 30 or more credits without declaring a major shall be placed on “academic hold” and directed to see a CST advisor before the priority registration period of the subsequent semester.

Program Warning

Any CST student who has below a 2.0 GPA in the major or track or does not make satisfactory progress toward their CST degree(s) shall be placed on “academic hold” and directed to see a departmental or CST advisor before the priority registration period of the subsequent semester.

Undeclared

Students who have not declared a major who have completed 60 or more credits shall be placed on “academic hold” and directed to see a CST advisor before the priority registration period of the subsequent semester.

Adding or Changing Majors or Minors

CST Students:

In order to add or change majors or minors within the College of Science and Technology, a CST student must meet with an advisor in the CST's Office of Student Services. The advisor will evaluate the student's record in accordance with the following policy:

1. CST students in their first semester at Temple University who wish to add or change majors or minors within the CST will be automatically approved, provided they are taking or have satisfied a Core-level or GenEd-level Mathematics course.
2. Continuing CST students who wish to add or change to declared majors or minors within the CST must have a cumulative grade point average (GPA) of 2.00 or higher. Continuing CST students who wish to change their major to undeclared will be automatically approved, provided that the total of completed and registered credits is fewer than 60 credits.

Non-CST Students:

In order to add or change majors or minors within the College of Science and Technology, a non-CST student must meet with an advisor in the CST's Office of Student Services. The advisor will evaluate the student's record in accordance with the following policy:

1. Students in their first semester at Temple University who wish to add a minor or second major within the CST will be automatically approved, provided they are taking or have satisfied a Core-level or GenEd-level Mathematics course.
2. Continuing students who wish to add a minor or second major within the CST must have a cumulative grade point average (GPA) of 2.00 or higher and must have completed a course in their proposed major or minor with a grade of C (2.0) or better.

Course Eligibility

The College of Science and Technology offers four types of undergraduate courses:

1. Preparatory courses numbered 0700-0799: open to all students, including non-matriculated students who are in the process of completing or have completed required co-requisite courses and have completed appropriate course prerequisites.
2. General Education courses numbered 0800-0999: open to all students, including non-matriculated students who are in the process of completing or have completed required co-requisite courses and have completed appropriate course prerequisites.
3. Lower-Level courses numbered 1000-1999: open to all students, including non-matriculated students who are in the process of completing or have completed required co-requisite courses and have completed appropriate course prerequisites.
4. Upper-Level courses numbered 2000-4999: open to all students, including non-matriculated students who are in the process of completing or have completed required co-requisite courses and have completed appropriate course prerequisites.

Co-Requisites and Prerequisites

Students may be de-enrolled from courses for which they do not meet prerequisites and co-requisites.

Courses Over Five Years Old

In admitting transfer or returning students, the College of Science and Technology will, when possible, allow credit for courses taken five or more years prior to the date of admission or readmission. The College of Science and Technology may choose not to accept courses regardless of age for credit in the major. Courses of a technical nature or courses in a particularly dynamic field may not be accepted for credit.

Final determination of the acceptability of such courses is the responsibility of the Office of Student Services and generally occurs after the student has matriculated or been rematriculated.

Dean's List

During a fall or spring semester, a full-time student must:

1. Pass 12 or more credits applicable to graduation, excluding any CR and P grades during that semester.
2. Not receive any I, W, MG, or NR grades during that semester
3. Achieve a grade point average of 3.5 or higher during that semester.

During a fall and following spring semester, a part-time student must maintain the above criteria for 12 or more credits spread over two consecutive semesters.

Grading

Major, Minor, Core and GenEd courses must be completed with a letter grade of C- or higher unless otherwise specified. Certain courses require a C or better in order to advance to the next level.

Graduation Procedures

All College of Science and Technology students are required to complete a graduation review with an advisor in the Office of Student Services prior to the first semester of their senior year. Students should schedule a review once they have completed 90 semester hours. The graduation review involves a detailing of the courses and credits completed and those that remain to be completed for graduation. Once a professional advisor completes the review, the Office of Student Services forwards the review to the student's department for the faculty advisor's approval.

Intra-University Transfer

In order to transfer into the College of Science and Technology, a student must meet with an advisor in the Office of Student Services. The advisor will evaluate the student's record in accordance with the following policy:

1. Students in their first semester at Temple University who wish to transfer into the College of Science and Technology will be automatically approved, provided that they are taking a Core- or GenEd-level Mathematics course or have satisfied the Core- or GenEd-level Mathematics requirement.
2. Continuing students who wish to transfer into the College of Science and Technology must have a cumulative grade point average (GPA) of 2.00 or higher and must have completed both a Core- or GenEd-level Mathematics course and a Core- or GenEd-level science (or additional Core- or GenEd-level Mathematics) course, both with a grade of C or better.

Students approved for an IUT (Intra-University Transfer) must comply with the major requirements effective during the applicable semester of transfer and attend an IUT orientation.

Life Experience Credits

Students are required to write what proficiencies are developed by their life experience and designate courses similar to their background. The experience will be reviewed by the appropriate faculty. Students need a 2.5 minimum cumulative GPA in order to apply. A maximum of 12 semester hours is allowed for the combined category of life experience, upper-level military science (ROTC) courses, and CLEP examinations.

Non-Traditional Credits

A maximum of 12 semester hours of credit will be allowed by CST for life experience, upper-level military science (ROTC) courses, and CLEP examinations.

Notice of Anticipation of Graduation

Early in the semester in which students will complete their degree requirements, they must notify the Office of Student Services in writing of their intent to graduate by completing a graduation application. Graduation applications are available at the Office of Student Services. The deadlines for returning the application are:

- October 15, 2008, for fall semester 2008
- February 16, 2009, for spring semester 2009
- June 1, 2009, for second summer semester 2009

Overload Requests

Students in the College of Science and Technology must petition for approval of an overload when they request to take more than 17 credits in either the fall or spring semesters or more than 8 credits in either summer session. The following items are considered when reviewing an overload petition:

- Minimum 2.75 GPA overall and in the last semester of graded coursework.*
- The number of credits completed in previous semesters.
- The number of science and math courses taken previously in each semester.
- The amount of credits requested.*
- The type of courses requested. The office focuses particularly on the number of science and math courses in the student's proposed roster.

*Each petition will be reviewed individually based on the number of credits requested.

Permission to Take Courses at Another Institution

Students in the College of Science and Technology who wish to take courses at another institution must petition the Office of Student Services for approval prior to enrolling in such a course. Petition forms are available in the Office of Student Services, 1810 Liacouras Walk, Room 203. The student is responsible for obtaining a course description from the other institution and attaching it to the petition form. The student takes the petition to the corresponding Temple department for faculty review and then submits the petition to the Office of Student Services for final approval. Courses taken without prior approval will not be applied toward graduation. Requests from matriculated Temple students to take courses at another institution within commuting distance (less than 50 miles away from Temple's Main Campus) will not be approved unless there is a compelling academic justification.

At least 30 of the last 45 semester hours of coursework must be completed at Temple University, and at least half of the courses required in the department of the major must be taken at Temple. In order for a student to receive University Honors, at least 60 credits must be completed at Temple University.

Placement Tests

The results of placement tests determine if students are required to enroll in preparatory composition and mathematics courses. All incoming freshmen must take English and mathematics placement tests. Transfer students who have not completed English 1002 or 0802 are also required to take the English placement test. Students assigned to English 0701 or 0711 must register each semester for that course until the requirement is completed. Only upon successful completion of English 0701 or 0711 can such students enroll in English 0802 or 0812.

All transfer students are required to complete the math placement test, regardless of transfer credits. For students who have already completed their program's mathematics requirement or the prerequisite requirement through transfer credits, the test will be used as a diagnostic tool. The test results will be informational only and will not restrict or dictate course selection nor negate the transferability of credits. The results of the placement exam should be discussed with an academic advisor at the time of the initial registration. Your advisor may suggest certain "bridge courses" that will assist you in preparing for more advanced coursework. Bridge courses build on content from courses for which you have received transfer credit, allow you to keep your credits, and support your preparation for the next course in your sequence.

Plagiarism and Academic Cheating

Plagiarism and academic cheating are prohibited by the College of Science and Technology. The development of independent thought and a respect for the thoughts of others is essential to intellectual growth. The prohibition of plagiarism and cheating is intended to foster this independence and respect. See [Academic Policies](#) in this *Bulletin*.

The penalty for plagiarism or cheating as a first offense is normally an F in the course in which the offense is committed. In such cases, the instructor writes a report to the dean and the University Disciplinary Committee. The University Disciplinary Committee adjudicates all cases and student appeals.

Pre-Pharmacy Track Students

Pre-Pharmacy track students must declare a primary major upon completion of 30 credits. Students who have completed 30 credits without declaring a primary major will have an academic hold placed on their record that will prevent them from registering. Students must meet with an advisor to declare a major in order to have the hold removed.

Prerequisites and Co-Requisites

Students may be de-enrolled from courses for which they do not meet prerequisites and co-requisites.

Program Performance

Students must maintain a 2.00 cumulative GPA in their major or track and make satisfactory progress toward their CST degrees to remain in good academic standing in the college. Students who are not in good academic standing in the college will be placed on program warning, and an "academic hold" will be placed on their record.

Readmission to the College of Science and Technology

College of Science and Technology students who have not enrolled for two consecutive semesters must apply for readmission. Any existing holds must be cleared prior to readmission and official transcripts provided for any college-level courses completed after leaving Temple University. *Students who have been away for less than two semesters are subject to university policies and restrictions governing taking courses at another institution and must receive permission prior to enrollment in such courses.* Any student who has not attended for five or more years must follow the major requirements that are in place at the time of readmission. The deadline for application to readmit for the fall semester is July 1; the deadline to readmit for the spring semester is November 1, and the deadline for summer semester I and II is April 1. Also see the policy on [University Warning, Probation, Dismissal, and Reinstatement](#).

Undeclared Majors

After completing 30 credits, undeclared majors in the College of Science and Technology will be notified that they need to select a major. Students who have completed 60 credits without declaring a major will have a hold placed on their record that will prevent them from registering. Students must meet with an advisor to declare a major in order to have the hold removed.

Warning and Dismissal

All university policies on warning and dismissal are enforced with this addition: CST students who are put on Academic Warning should see an academic advisor to review their proposed schedule of courses. See [University Warning, Probation, Dismissal, and Reinstatement](#) for more details.

General College Graduation Requirements

Requirements for the Bachelor of Science (B.S.) and the Bachelor of Arts (B.A.) Degrees

The College of Science and Technology offers two undergraduate degrees: a Bachelor of Arts (B.A.) and a Bachelor of Science (B.S.). The B.A. degree gives students a broad-based

education, including the study of a foreign language. The B.S. degree is for those students who wish for more specialized training in their chosen disciplines.

Credit Hour Requirements

The College of Science and Technology requires that students complete a total of 123 credits for most programs. The TUteach programs (Biology with Teaching, Chemistry with Teaching, Earth & Space Science with Teaching, General Science with Teaching, Mathematics with Teaching and Physics with Teaching) require students to complete a total of 124 credits. Of that total, 90 credits must be in the College of Science and Technology or the College of Liberal Arts (CLA). A course shall count as a College of Science and Technology or College of Liberal Arts course if it is offered by a department or program in either of the respective colleges, or if it is in the department of Economics and Art History, or if it is taken to satisfy a major or minor requirement in the College of Science and Technology. Of those 90 credits, 45 must be in upper-level courses. Students receiving a Bachelor of Arts (as opposed to Bachelor of Science) degree must take at least two courses numbered 2000 or above in the College of Liberal Arts.

Students who transfer into the College of Science and Technology must complete at least 30 of their last 45 semester hours of coursework at Temple and at least half of the courses required in the department of the major must be taken at Temple. Please refer to degree programs for the specific number of major courses required.

A student with an intercollegial or interdisciplinary studies major can obtain information concerning the minimum number of semester hours in College of Science and Technology or College of Liberal Arts courses required for graduation from his or her major advisor and from the description of the major found in this *Bulletin*.

These credit-hour requirements apply to students who matriculated during or after the fall semester 1995.

Courses Inapplicable to Graduation

Semester hours earned in Mathematics 0701, lower-level military science (ROTC), and RCC-enhanced courses are not credited toward the minimum semester hours required for graduation. Students will not be awarded duplicate credit for courses. Students will not receive credit towards graduation for lower-level courses, which are two or more courses below either an already-completed course or their placement level. A maximum of 8 semester hours of credit will be allowed by CST for life experience and CLEP examinations. A maximum of 4 courses or up to 12 semester hours will be allowed for upper-level Military Science (Army ROTC), Naval Science (Navy ROTC) or Aerospace Studies (Air Force ROTC) courses.

Grade Point Average (GPA) Requirement

The College of Science & Technology requires that students have a GPA of at least 2.00 overall and at least 2.00 in the department(s) of their major and/or minor.

Bachelor of Science Requirements

General Education or Core. All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

Students are told during orientation which set of requirements they must meet. If students are uncertain, they should contact an academic advisor.

General Education. In addition to the requirements above, Bachelor of Science candidates subject to General Education must complete the General Education curriculum in effect at the time of their matriculation.

Core. In addition to the requirements above, Bachelor of Science candidates subject to University Core must complete the University Core curriculum in effect at the time of their matriculation.

Major. Students must also complete the requirements of a departmental major. The minimum acceptable grade in a course taken to fulfill major requirements is a C- unless otherwise specified. Bachelor of Science majors are offered in the following programs:

- Biochemistry
- Biology
- Biology with Teaching
- Biophysics
- Chemistry
- Chemistry with Teaching
- Computer Science
- Earth and Space Science with Teaching
- Environmental Science
- General Science with Teaching
- Geology
- Information Science and Technology
- Mathematics
- Mathematics and Computer Science
- Mathematics and Physics
- Mathematics with Teaching
- Neuroscience - Cellular & Molecular
- Physics
- Physics with Teaching

Minor or Concentrations. Students pursuing a Bachelor of Science degree may also choose to fulfill the requirements of a second Major, Minor, or Concentration. See below under [Major and Minor Requirements](#).

Bachelor of Arts Requirements

General Education or Core. All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

Students are told during orientation which set of requirements they must meet. If students are uncertain, they should contact an academic advisor.

General Education. In addition to the requirements above, Bachelor of Arts candidates subject to General Education must complete the General Education curriculum in effect at the time of their matriculation with the following difference: There will be an additional language requirement for B.A. degree candidates; they are required to successfully complete the second semester of a language (course number 1002).

Core. In addition to the requirements above, Bachelor of Arts candidates must complete the University Core requirements in effect at the time of their matriculation with the following difference: For the Core Language or International Studies requirement, candidates for the B.A. degree are required by the College to complete both an International Studies and a Language requirement through:

- (a) successful completion of the third semester of a language (course number 1003 for French, German, Italian, Spanish and Portuguese or course number 2001 for Arabic, Chinese, Classical Greek, Hebrew, Hindi, Japanese, Korean, Latin, Modern Greek, Russian or Vietnamese) and one international studies course; or
- (b) successful completion of the second semester of a language (course number 1002) and two international studies courses.

Upper-level distribution requirements. B.A. students must complete upper-level distribution requirements by taking two upper-level courses in one or more departments of the College of Liberal Arts or the Departments of Economics or Art History. Upper-level courses consist of course numbers at the 2000 level or above.

Students who have second majors, one of which is in the College of Liberal Arts or Economics or Art History, automatically satisfy the distribution requirement.

Major. Bachelor of Arts candidates must complete the requirements of a major. It is important to note that students enter the College of Science and Technology as Bachelor of Science majors.

If students wish to change their degree choice to Bachelor of Arts, they must complete a declaration of major form in the Office of Student Services with an advisor. The minimum acceptable grade in a course taken to fulfill major requirements is a C- unless otherwise specified. B.A. majors are offered in the following programs:

- Biology
- Chemistry
- Computer Science
- Earth Science (see Geology)
- Information Science and Technology
- Mathematics
- Mathematical Economics
- Natural Sciences
- Physics

Minor. Students may also choose to complete the requirements for a minor. The minimum acceptable grade in a course taken to fulfill minor requirements is a C- unless otherwise specified. At least three of the courses credited towards the minor must be courses that were not credited towards the major. At least half of the courses taken by a student to fulfill the minor must be taken at Temple. Minors are available in the following programs:

- Biology
- Computer Science
- Geology
- Information Science and Technology
- Mathematics
- Physics

Second Major. Students may complete a second major by fulfilling all requirements for the primary and second majors, including at least four courses that are credited towards the second major but not the primary major. Core requirements need to be satisfied based on the requirements of the primary major.

Individual Program Requirements

Certain courses fulfill multiple requirements. In careful consultation with your advisor, you will be able to optimize curriculum choices.

The total number of hours required for the degree may vary based on initial placement exams, transfer evaluations, individual curriculum choices, and academic programs.

Listed under each degree program are the courses students must successfully complete to earn that particular B.A. or B.S. degree. These required courses are in addition to the [General Education](#) or [University Core](#) curriculum requirements.

Student Contact

For information about the College of Science & Technology, please contact the Office of Student Services, 215-204-2890.

Contact information for academic programs can be found under the listing for each individual program.

Faculty

Administration

Hai-Lung Dai, Ph.D., University of California at Berkeley, Dean
Douglas H. Baird, Ph.D., Yale University, Assistant Dean
Ralph E. Jenkins, Ph.D., University of Texas at Austin, Senior Associate Dean
Mia K. Luehrmann, Ph.D., University of Illinois at Urbana-Champaign, Associate Dean
Allen Nicholson, Ph.D., University of Pennsylvania, Associate Dean
George Palladino, Ph.D., University of Massachusetts at Amherst, Vice Dean
Brooke H. Walker, Ed.M., Temple University, Assistant Dean

Biology

Professor

Shohreh Amini, Ph.D., University of Pennsylvania, Chair
Frank N. Chang, Ph.D., University of Wisconsin
Mark Feitelson, Ph.D., University of California, Los Angeles
Antonio Giordano, Ph.D., University of Trieste
Edward Gruberg, Ph.D., University of Illinois
Stuart E. Neff, Ph.D., Cornell University
Allen Nicholson, Ph.D., University of Pennsylvania, Associate Dean
Harry P. Rappaport, Ph.D., Yale University
Shepherd K. Roberts, Ph.D., Princeton University
Joel B. Sheffield, Ph.D., University of Chicago

Associate Professor

Darius Balciunas, Ph.D., Uppsala University
Fredric Biemar, Ph.D., Université de Liège, Belgium
Karen Palter, Ph.D., Princeton University
Robert W. Sanders, Ph.D., University of Georgia
Jacqueline Tanaka, Ph.D., University of Illinois
Richard Waring, Ph.D., Essex University, England

Assistant Professor

Thomas E. Hanson, Ph.D., Michigan State University

Chemistry

Professor

Hai-Lung Dai, Ph.D., University of California at Berkeley, Dean
David R. Dalton, Ph.D., University of California
Franklin A. Davis, Ph.D., Syracuse University
Susan Ann Jansen-Varnum, Ph.D., University of Missouri - St. Louis
Grant R. Krow, Ph.D., Princeton University
Robert Levis, Ph.D., Pennsylvania State University, Chair
Scott Sieburth, Ph.D., Harvard University
Francis C. Spano, Ph.D., Princeton University
Daniel R. Strongin, Ph.D., University of California at Berkeley
Bradford Wayland, Ph.D., University of Illinois
John R. Williams, Ph.D., University of Western Australia
Stephanie L. Wunder, Ph.D., University of Massachusetts

Associate Professor

Eric Borguet, Ph.D., University of Pennsylvania
Jan Feng, Ph.D., University of Southern California
Jonathan Shackman, Ph.D., University of Michigan
Robert J. Stanley, Ph.D., Pennsylvania State University
Donald D. Titus, Ph.D., California Institute of Technology

Assistant Professor

Rodrigo Andrade, Ph.D., Massachusetts Institute of Technology
Spiridoula Matsika, Ph.D., Ohio State University
Christian Schafmeister, Ph.D., University of California, San Francisco

Computer and Information Sciences

Professor

Robert M. Aiken, Ph.D., Northwestern University
Richard Beigel, Ph.D., Stanford University
Frank L. Friedman, Ph.D., Purdue University
Leonard J. Garrett, Ph.D., University of Pennsylvania
Elliot B. Koffman, Ph.D., Case Institute of Technology
James F. Korsh, Ph.D., University of Pennsylvania
Eugene Kwatny, Ph.D., Drexel University

David Lefkovitz, Ph.D., University of Pennsylvania
John T. Nosek, Ph.D., Temple University
Zoran Obradovic, Ph.D., Pennsylvania State University
Arthur T. Poe, Ph.D., University of Illinois at Urbana-Champaign

Associate Professor

Giora Baram, Ph.D., University of Toledo
Giorgio Ingargiola, Ph.D., University of Pennsylvania
Charles A. Kapps, Ph.D., University of Pennsylvania
Paul LaFollette, M.D., Temple University
Longin Jan Latecki, Ph.D., University of Hamburg
Vasileios Megalooikonomou, Ph.D., University of Maryland
Yuan Shi, Ph.D., University of Pennsylvania, Chair
Robert L. Stafford, Ph.D., Yale University

Assistant Professor

Rolf Lakaemper, Ph.D., University of Hamburg
Slobodan Vucetic, Ph.D., Washington State University
Alexander Yates, Ph.D., University of Washington

Earth and Environmental Science

Professor

David E. Grandstaff, Ph.D., Princeton University, Chair
George H. Myer, Ph.D., Yale University
Jonathan Nyquist, Ph.D., University of Wisconsin
Laura Toran, Ph.D., University of Wisconsin

Associate Professor

Dennis O. Terry, Jr., Ph.D., University of Nebraska

Assistant Professor

Nicholas Davatzes, Ph.D., Stanford University
Alexandra Davatzes, Ph.D., Stanford University

Mathematics

Professor

Shiferaw Berhanu, Ph.D., Rutgers University
Orin Chein, Ph.D., New York University

Boris Datskovsky, Ph.D., Harvard University
Leon Ehrenpreis, Ph.D., Columbia University
Janos Galambos, Ph.D., Eötvös University, Budapest, Hungary
Cristian Gutierrez, Ph.D., University of Buenos Aires, Argentina
Omar Hijab, Ph.D., University of California at Berkeley, Chair
David R. Hill, Ph.D., University of Pittsburgh
Marvin I. Knopp, Ph.D., University of Illinois
Edward Letzter, Ph.D., University of Washington
Seymour Lipschutz, Ph.D., New York University
Martin Lorenz, Ph.D., Universität Giessen
Jatinder S. Mehta, Ph.D., University of Wisconsin
Gerardo Mendoza, Ph.D., Massachusetts Institute of Technology
K. Raghunandan, Ph.D., Colorado State University
Louis Raymon, Ph.D., Yeshiva University
Igor Rivin, Ph.D., Princeton University
Ranganathan Srinivasan, Ph.D., Wayne State University
Daniel B. Szyld, Ph.D., New York University
Georgia Triantafyllou, Ph.D., University of Bonn, Germany
Wei-Shih Yang, Ph.D., Cornell University

Associate Professor

Bruce P. Conrad, Ph.D., University of California at Berkeley
Raymond F. Coughlin, Ph.D., Illinois Institute of Technology
Yury Grabovsky, Ph.D., New York University
William D. Nathan, Ph.D., Syracuse University
John Paulos, Ph.D., University of Wisconsin
Daniel Reich, Ph.D., Princeton University
Sinai Robins, Ph.D., University of California, Los Angeles
John J. Schiller Jr., Ph.D., University of Pennsylvania
H. Frank Thornton, M.A., University of Chicago
David E. Zitarelli, Ph.D., Pennsylvania State University

Physics

Professor

Theodore W. Burkhardt, Ph.D., Stanford University
Leroy W. Dubeck, Ph.D., Rutgers University
Dieter Forster, Ph.D., Harvard University
Zameer Hasan, Ph.D., Australian National University, Canberra
A. Marjatta Lyyra, Ph.D., University of Stockholm
C. Jeffrey Martoff, Ph.D., University of California at Berkeley
Zein-Eddine Meziani, Ph.D., Université de Paris XI
Ted W. Mihalisin, Ph.D., University of Rochester
Peter S. Riseborough, Ph.D., Imperial College, London

Raza A. Tahir-Kheli, Ph.D., Oxford University
Rongjia Tao, Ph.D., Columbia University, Chair

Associate Professor

Zbigniew Dziembowski, Ph.D., Warsaw University
Edward T. Gawlinski, Ph.D., Boston University
Chyanlong Lin, Ph.D., Temple University
Tan Yuen, Ph.D., Temple University

Assistant Professor

Andreas Metz, Ph.D., Institut Für Kernphysik Universität Mainz
Deborah Santamore, Ph.D., California Institute of Technology

Emeritus Faculty

Professor

Edwin J. Anderson
Leonard B. Auerbach
Dorothy Berner
William Brinigar
Barbara Brownstein
Ivan N. Erdelyi
Jerrold Franklin
Antonio M. Ponte Goncalves
Seymour Haber
Peter Hags, Jr.
William Harvey
S. Robert Hilfer
Nina Hillman
Ralph Hillman
Robert L. Intemann
V.S. Krishnan
Mortimer M. Labes
Sigurd Y. Larsen
Mael A. Melvin
Bernard Meth
Richard L. Miller
Theodore Mitchell
Michael I. Mote
Donald E. Neville

Elmer L. Offenbacher
Eli A. Passow
Hala Pflugfelder
Thomas R. Punnett
Robert Salomon
William Schmitt
Robert Searls
Leon Steinberg
Stephen T. Takats
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Richard C. Weisenberg
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Associate Professor

John Adams
James Bloomer
Francis T. Christoph, Jr.
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James S. Karra
Diane Laison
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Biochemistry

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Dr. Frank Chang, Advisor
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Dr. Robert Levis, Chair
Dr. Robert Stanley, Advisor
Chemistry Department
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Bachelor of Science Requirements for the Major

The biochemistry degree consists of fundamental biology and chemistry courses plus biochemistry lecture and laboratory courses: Chemistry 4401 (*Biochemistry I*), Biology 4376 (*General Biochemistry II*), and Biology 4344 (*Research Techniques in Biochemistry*). In addition to these, the following courses are required: Calculus I, II, III; General Chemistry I, II with labs; Organic Chemistry I, II with labs; calculus-based physics I, II; Biology 1111, 2112, 2296*, 3096, 3324; Chemistry 3105, 3196*, 3301; two biochemistry electives selected from the following: Biology 3201, 3265, 3301, 3317, 3325, 3327, 3328, 3334, 3352, 3363, 3367, 3371, 3374, 3380; Chemistry 3302, 4001, 4196, 4201, 4405.

Writing Intensive Requirement for Bachelor of Science

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Biology 2296*, Biology 3096, Chemistry 3196*, or Chemistry 4196.

*Pending writing-intensive program approval.

Year 1 – Fall Semester				
Department	Course #	Course Name	Hours	RCI

Chemistry	1031	General Chemistry I and	3	SA
Chemistry	1033	General Chemistry I Laboratory	1	SA
		<i>or</i>		
Chemistry	1041	General Chemical Science I and	3	SA
Chemistry	1043	General Chemical Science I Laboratory	1	SA
		<i>or</i>		
Chemistry	1951	Honors General Chemistry I and	3	SA
Chemistry	1953	Honors General Chemistry I Laboratory	1	SA
Mathematics	1041	Calculus I	4	QB
		<i>or</i>		
Mathematics	1941	Honors Calculus I	4	QB
Subtotal			8	

Year 1 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	1111	Introduction to Biology	4	
		<i>or</i>		
Biology	1911	Honors Introduction to Biology	4	SA
Chemistry	1032	General Chemistry II and	3	SB
Chemistry	1034	General Chemistry II Laboratory	1	SB
		<i>or</i>		
Chemistry	1042	General Chemical Science II and	3	SB
Chemistry	1044	General Chemical Science II Laboratory	1	SB
		<i>or</i>		
Chemistry	1952	Honors General Chemistry II and	3	SB
Chemistry	1954	Honors General Chemistry II Laboratory	1	SB
Mathematics	1042	Calculus II	4	
		<i>or</i>		
Mathematics	1942	Honors Calculus II	4	
Subtotal			12	

Year 2 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Biology	2112	Introduction to Biology	4	
		<i>or</i>		
Biology	2912	Honors Introduction to Biology	4	SB

Chemistry	2201	Organic Chemistry I and	3	
Chemistry	2203	Organic Chemistry I Laboratory	1	
		<i>or</i>		
Chemistry	2211	Organic Chemistry I for Majors and	3	
Chemistry	2213	Organic Chemistry I Laboratory for Majors	1	
		<i>or</i>		
Chemistry	2921	Honors Organic Chemistry I and	3	SA
Chemistry	2923	Honors Organic Chemistry I Laboratory	1	SA
Physics	2021	General Physics I	4	
		<i>or</i>		
Physics	1061	Elementary Classical Physics I	4	SA
Subtotal			12	

Year 2 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	2296*	Genetics	4	WI
Chemistry	2202	Organic Chemistry II and	3	
Chemistry	2204	Organic Chemistry II Laboratory	1	
		<i>or</i>		
Chemistry	2212	Organic Chemistry II for Majors and	3	
Chemistry	2214	Organic Chemistry II Laboratory for Majors	1	
		<i>or</i>		
Chemistry	2922	Honors Organic Chemistry II and	3	
Chemistry	2924	Honors Organic Chemistry II Laboratory	1	
Physics	2022	General Physics II	4	
		<i>or</i>		
Physics	1062	Elementary Classical Physics II	4	SB
Subtotal			12	

Year 3 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Biology	3096	Cell Structure & Function	4	WI
Chemistry	3196*	Techniques of Chemical Measurement I	3	WI
Chemistry	3105	Intro. to Chemical Research Techniques	1	
Mathematics	2043	Calculus III	4	
Subtotal			12	

Year 3 – Spring Semester				
Department	Course #	Course Name	Hours	RCI

Chemistry	3301	Physical Chemistry Lecture I	3	
Chemistry	4401	Biochemistry I	3	
Subtotal			6	

Year 4 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Biology	3324	Molecular Biology	3	
Biology	4376	General Biochemistry II	3	
Biochemistry		Elective**	3-4	
Subtotal			9-10	

Year 4 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	4344	Research Techniques in Biochemistry	4	
Biochemistry		Elective**	3-5	
Subtotal			7-9	
Credits in Coursework for B.S. in Biochemistry			78-81	
General Education / Elective Credits			42-45	
Total Credits for B.S. Degree			123	

*Pending writing intensive program approval.

****Biochemistry Electives**

**Biochemistry Electives				
Department	Course #	Course Name	Hours	RCI
<i>Students are required to take two advanced biochemistry electives selected from the following list:</i>				
Biology	3201	Human Genetics	3	
Biology	3265	Embryology	4	
Biology	3301	Cell Biology	3	
Biology	3317	General Microbiology	4	
Biology	3325	Research Techniques in Molecular Biology	4	
Biology	3327	Immunology	3	
Biology	3328	Virology	3	
Biology	3334	Mammalian Physiology	4	
Biology	3352	Systems Neuroscience (formerly Neurobiology)	3	
Biology	3363	Mammalian Development	3	
Biology	3367	Endocrinology	3	
Biology	3371	Cell Proliferation	3	
Biology	3374	Physical Biochemistry	3	
Biology	3380	Contemporary Biology	3	
Chemistry	3302	Physical Chemistry Lecture II	3	
Chemistry	4001	Inorganic Chemistry	3	

Chemistry	4196	Techniques of Chemical Measurement II	5	WI
Chemistry	4201	Organic Structure & Mechanisms	3	
Chemistry	4405	Biophysical Chemistry	3	
Notes:				
1. Other courses may be acceptable with the permission of one of the biochemistry advisors.				
2. Two semesters of Undergraduate Research (Biology 4391/4491 or Chemistry 3891/4891) for a minimum of 6 credits can fulfill one of the Biochemistry electives.				

Distinction in Major

To graduate with Distinction in Major, students are required to achieve a 3.33 GPA or higher in all the Biology and Chemistry courses in their major.

Biology

Dr. Shohreh Amini, Chair
 Dr. Shepherd K. Roberts, Advisor
 Biology-Life Sciences Building, Room 401
 215-204-8864
sroberts@temple.edu
www.temple.edu/biology/

Major Requirements

Bachelor of Arts Requirements for the Major

Foundation courses 52 s.h., Biology courses: 1111, 2112, 2227, 2296*, 3096, two semesters of calculus, two semesters each of general and organic chemistry with labs, and two semesters of calculus-based physics.

Upper-level Biology elective courses

- Bachelor of Arts (three upper division Biology electives; see course descriptions for exceptions)
- Graduate-level courses, described in the *Graduate Bulletin*, can be taken as electives with special permission.

A grade of C or higher in Biology 1111 and Biology 2112 is required to take upper-level Biology courses, and a C- or higher is required unless otherwise specified in all other courses for the major, including course prerequisites. A GPA of 2.0 or better is required in Biology courses in order to graduate.

Writing Intensive Requirement for Bachelor of Arts

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Biology 2296*, Biology 3096, Biology 3196 or Biology 3396.

*Pending Writing-Intensive Program Approval.

Year 1 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	1031	General Chemistry I and	3	SA
Chemistry	1033	General Chemistry I Laboratory	1	SA
		<i>or</i>		
Chemistry	1041	General Chemical Science I and	3	SA
Chemistry	1043	General Chemical Science I Laboratory	1	SA
		<i>or</i>		
Chemistry	1951	Honors General Chemistry I and	3	SA
Chemistry	1953	Honors General Chemistry I Laboratory	1	SA
Mathematics	1041	Calculus I	4	QB
		<i>or</i>		
Mathematics	1941	Honors Calculus I	4	QB
Subtotal			8	

Year 1 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	1111	Introduction to Biology	4	
		<i>or</i>		
Biology	1911	Honors Introduction to Biology	4	SA
Chemistry	1032	General Chemistry II and	3	SB
Chemistry	1034	General Chemistry II Laboratory	1	SB
		<i>or</i>		
Chemistry	1042	General Chemical Science II and	3	SB
Chemistry	1044	General Chemical Science II Laboratory	1	SB
		<i>or</i>		
Chemistry	1952	Honors General Chemistry II and	3	SB
Chemistry	1954	Honors General Chemistry II Laboratory	1	SB
Mathematics	1042	Calculus II	4	
		<i>or</i>		
Mathematics	1942	Honors Calculus II	4	
Subtotal			12	

Year 2 - Fall Semester				
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Department	Course #	Course Name	Hours	RCI
Biology	2112	Introduction to Biology	4	
		<i>or</i>		
Biology	2912	Honors Introduction to Biology	4	SB
Chemistry	2201	Organic Chemistry I and	3	
Chemistry	2203	Organic Chemistry I Laboratory	1	
		<i>or</i>		
Chemistry	2211	Organic Chemistry for Majors I and	3	
Chemistry	2213	Organic Majors Laboratory I	1	
		<i>or</i>		
Chemistry	2921	Honors Organic Chemistry I and	3	SA
Chemistry	2923	Honors Organic Chemistry I Laboratory	1	SA
Subtotal			8	

Year 2 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	2296*	Genetics	4	WI
Chemistry	2202	Organic Chemistry II and	3	
Chemistry	2204	Organic Chemistry II Laboratory	1	
		<i>or</i>		
Chemistry	2212	Organic Chemistry for Majors II and	3	
Chemistry	2214	Organic Majors Laboratory II	1	
		<i>or</i>		
Chemistry	2922	Honors Organic Chemistry II and	3	SB
Chemistry	2924	Honors Organic Chemistry II Laboratory	1	SB
Subtotal			8	

Year 3 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Biology	3096	Cell Structure & Function	4	WI
Physics	2021	General Physics I	4	
Subtotal			8	

Year 3 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	2227	Principles of Ecology	4	
Physics	2022	General Physics II	4	
Subtotal			8	

Year 4 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Biology	Elective	Upper Division Biology Elective^	3-4	
Biology	Elective	Upper Division Biology Elective^	3-4	
Subtotal			6-8	

Year 4 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	Elective	Upper Division Biology Elective^	3-4	
Subtotal			3-4	

*Pending Writing-Intensive Program Approval.

^If the student has taken the necessary prerequisite courses, some of the Biology elective courses may be taken before the Fall semester of Year 4.

Credits in Coursework for B.A. in Biology	61-64
General Education / Elective Credits	59-62
Total Credits for B.A. Degree	123

Bachelor of Science Requirements for the Major

Foundation courses 52 s.h., Biology courses: 1111, 2112, 2227, 2296*, 3096, two semesters of calculus, two semesters each of general and organic chemistry with labs, and two semesters of calculus-based physics.

Upper-level Biology elective courses

- Bachelor of Science (six upper division Biology electives; see course descriptions for exceptions); For the B.S. only, two Biology electives can be replaced with two of the following: Anthropology 2764, Anthropology 4896; Chemistry 3301, Chemistry 3302; Electrical Engineering Technology 2104; Mathematics 2043; Physics 2501, Physics 4301; Statistics 5002.
- Graduate-level courses, described in the *Graduate Bulletin*, can be taken as electives with special permission.

A grade of C or higher in Biology 1111 and Biology 2112 is required to take upper-level Biology courses, and a C- or higher is required unless otherwise specified in all other courses for the major, including course prerequisites. A GPA of 2.0 or better is required in Biology courses in order to graduate.

Writing Intensive Requirement for Bachelor of Science

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Biology 2296*, Biology 3096, Biology 3196 and Biology 3396.

*Pending Writing-Intensive Program Approval.

B.S. Year 1 - Fall Semester through Year 3 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
		Identical To Bachelor Of Arts Requirements		

Year 3 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	2227	Principles of Ecology	4	
Biology	Elective	Upper Division Biology Elective^	3-4	
Physics	2022	General Physics II	4	
Subtotal			11-12	

Year 4 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Biology	Elective	Upper Division Biology Elective^	3-4	
Biology	Elective	Upper Division Biology Elective^	3-4	
Biology	Elective	Upper Division Biology Elective^	3-4	
Subtotal			9-12	

Year 4 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	Elective	Upper Division Biology Elective^	3-4	
Biology	Elective	Upper Division Biology Elective^	3-4	
Subtotal			6-8	

^If the student has taken the necessary prerequisite courses, some of the Biology elective courses may be taken before the Spring semester of Year 3. For the B.S. only, two Biology electives may be replaced by two courses from the following list: Anthropology 2764, Anthropology 4896; Chemistry 3301, Chemistry 3302; Electrical Engineering Technology 2104; Mathematics 2043; Physics 2501, Physics 4301; Statistics 5002 (if substituted for Biology 3312; students are not allowed to use both Biology 3312 and Statistics 5002 as upper-level electives).

Credits in Coursework for B.S. in Biology	70-76
General Education / Elective Credits	47-53

Total Credits for B.S. Degree	123
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Minor Requirements

Students interested in acquiring basic knowledge in biology but not wishing to major in the subject may pursue a minor by successful completion of Biology 1111 and Biology 2112 (*Introduction to Biology*), plus three additional upper division Biology electives (see course descriptions for exceptions). At least one of these additional Biology electives must have a laboratory component.

Note that Chemistry 1031 and Chemistry 1032 (with labs) are the co-requisites or prerequisites for Biology 1111 and Biology 2112, and that a grade of C or higher in Biology 1111 and Biology 2112 is required to take most Biology electives. Biology 2227, Biology 2296*, and Biology 3096 can be taken as electives for the minor. Please consult the Biology Department's advisor when choosing the three additional courses to ensure that prerequisites have been satisfied. (A minimum of 18 credits in Biology is required for the minor.)

*Pending Writing-Intensive Program Approval.

Distinction in the Major

Students interested in laboratory research are encouraged to participate in the Biology Research Program. Distinction in Biology is awarded on the basis of independent laboratory projects conducted under the supervision of a faculty member. Admission to the program is by application to the Biology Department during the first semester of the junior year. Completion of this program includes successful completion of Biology 4391 twice, which together will substitute for one Biology Elective course.

Concentration in Neuroscience

Undergraduate students with an interest in Neuroscience may apply to the Neuroscience Program after declaration of a major in biology or psychology. Upon successful completion of their departmental and Neuroscience Program requirements, students receive a bachelor's degree with a Specialization in Neuroscience. Please note that the College of Science & Technology now offers a Bachelor of Science in Neuroscience - Cellular and Molecular that will result in a phasing out of the Biology Neuroscience Program over the next several years.

Neuroscience Program Requirements

- Completion of three Neuroscience courses with a grade of B or better. Courses may be selected from: Biology 3354, Biology 3356; Communication Sciences & Disorders 3235; Philosophy 5244; Psychology 2501, Psychology 2502.
- One year of Neuroscience research with a faculty member of the Neuroscience Program, with public and written presentation of the results. Two faculty members in the Neuroscience Program must approve the written presentation.

Five-Year Combined B.A. or B.S. and Ed.M. Program

Five-Year Master's/Secondary Education Certification Program

This is a combined program between the College of Science & Technology and the College of Education. For more information, see the following web site:

www.temple.edu/bulletin/Academic_programs/schools_colleges/ed/intro/generalinfo/ed_generalinfo.shtm#teacher

Biophysics

Dr. Rongjia Tao, Chair

Dr. Zbigniew Dziembowski, Advisor

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Major Requirements

Bachelor of Science Requirements for the Major

Calculus I, II, III; General Chemistry I, II with labs; Organic Chemistry I, II with labs; Calculus-based Physics I, II; Biology 2112, 2296*, 3096; Physics 2502, 2796*, 3301, 4101; and four biophysics elective courses.

Writing Intensive Requirement for Bachelor of Sciences

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Biology 2296*, Biology 3096, Biology 3396, Chemistry 4196, Chemistry 4396, Earth & Environmental Science 4096, Earth & Environmental Science 4197, Earth & Environmental Science 4997, Mathematics 3098, Mathematics 4096, Physics 2796* or Physics 4796.

*Pending writing-intensive program approval.

Year 1 - FALL				
Department	Course #	Course Name	Hours	RCI

Chemistry	1031	General Chemistry I and	3	SA
Chemistry	1033	General Chemistry I Laboratory	1	SA
		<i>or</i>		
Chemistry	1041	General Chemical Science I and	3	SA
Chemistry	1043	General Chemical Science I Laboratory	1	SA
		<i>or</i>		
Chemistry	1951	Honors General Chemistry I and	3	SA
Chemistry	1953	Honors General Chemistry I Laboratory	1	SA
Mathematics	1041	Calculus I	4	QB
		<i>or</i>		
Mathematics	1941	Honors Calculus I	4	QB
Subtotal			8	

Year 1 - SPRING				
Department	Course #	Course Name	Hours	RCI
Chemistry	1032	General Chemistry II and	3	SB
Chemistry	1034	General Chemistry II Laboratory	1	SB
		<i>or</i>		
Chemistry	1042	General Chemical Science II and	3	SB
Chemistry	1044	General Chemical Science II Laboratory	1	SB
		<i>or</i>		
Chemistry	1952	Honors General Chemistry II and	3	SB
Chemistry	1954	Honors General Chemistry II Laboratory	1	SB
Mathematics	1042	Calculus II	4	
		<i>or</i>		
Mathematics	1942	Honors Calculus II	4	
Sub Total			8	

Year 2 - FALL				
Department	Course #	Course Name	Hours	RCI
Chemistry	2201	Organic Chemistry I and	3	
Chemistry	2203	Organic Chemistry I Laboratory	1	
		<i>or</i>		
Chemistry	2211	Organic Chemistry I for Majors and	3	
Chemistry	2213	Organic Chemistry I Lab for Majors Laboratory	1	
		<i>or</i>		
Chemistry	2921	Honors Organic Chemistry I and	3	SA
Chemistry	2923	Honors Organic Chemistry I Laboratory	1	SA
Math	2043	Calculus III	4	

Physics	2021	General Physics I	4	
		<i>or</i>		
Physics	1061	Elementary Classical Physics I	4	SA
Subtotal			12	

Year 2 - SPRING				
Department	Course #	Course Name	Hours	RCI
Chemistry	2202	Organic Chemistry II and	3	
Chemistry	2204	Organic Chemistry II Laboratory	1	
		<i>or</i>		
Chemistry	2212	Organic Chemistry II for Majors and	3	
Chemistry	2214	Organic Chemistry II for Majors Laboratory	1	
		<i>or</i>		
Chemistry	2922	Honors Organic Chemistry II and	3	SB
Chemistry	2924	Honors Organic Chemistry II Laboratory	1	SB
Physics	2022	General Physics II	4	SB
		<i>or</i>		
Physics	1062	Elementary Classical Physics II	4	SB
Subtotal			8	

Year 3 - FALL				
Department	Course #	Course Name	Hours	RCI
Biology	2112	Introduction to Biology	4	
		<i>or</i>		
Biology	2912	Honors Introduction to Biology	4	SB
Physics	3301	Electricity & Magnetism	4	
Elective	Elective†	Biophysics Elective	3-4	
Subtotal			11-12	

Year 3 - SPRING				
Department	Course #	Course Name	Hours	RCI
Physics	2502	Mathematical Physics	4	
Physics	2796*	Introduction to Modern Physics	4	WI
Elective	Elective†	Biophysics Elective	3-4	
Subtotal			11-12	

Year 4 - FALL				
Department	Course #	Course Name	Hours	RCI

Biology	3096	Cell Structure & Function	4	WI
Physics	4101	Thermodynamics & Kinetic Theory	3	
Elective	Elective†	Biophysics Elective	3-4	
Subtotal			10-11	

Year 4 - SPRING				
Department	Course #	Course Name	Hours	RCI
Biology	2296*	Genetics	4	WI
Elective	Elective†	Biophysics Elective	3-4	
Subtotal			7-8	

*Pending writing intensive program approval.

†Four electives must be chosen in consultation with the physics advisor. All courses must be 2000-level or above. At least two electives must be Physics courses. Choose courses in Physics, Biology (Neurobiology, Genetics, Cell Structure, Physiology), Chemistry (Physical Chemistry), Biochemistry and Biophysics. Recommended for graduate school in Physics: Physics 2101, 3302, 3701 and 4796 and as much of the B.S. program in Physics as time allows. Students planning to go to medical school should complete Biology 1111: *Introduction to Biology*.

Credits in Coursework for Biophysics	75-79
General Education / Elective Credits	44-48
Total Credits for B.S. Degree	123

Distinction in Major

A student who wishes to graduate with Distinction in the Major must complete all courses required for the biophysics major with a GPA of 3.5 or better, and carry out an independent study or undergraduate thesis project. Consult the undergraduate physics advisor for more details.

Chemistry

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The Department of Chemistry is one of the oldest departments in the university and has a long record of preparing students for careers in science. Both Bachelor of Arts (B.A.) and Bachelor of

Science (B.S.) degrees are available, depending upon a student's career goals. Since a significant portion of America's chemical industry is centered in the Philadelphia region, there is a wide range of career opportunities locally available. Although most of our students have gone on to medicine, dentistry, or the chemical industry, recent graduates have also gone on to careers in law, forensics, and even art restoration.

All prospective majors should schedule an appointment with one of the departmental advisors (names of current advisors are available from the Chemistry office, Beury Hall, Room 130) to plan a program of study. The recommended order of courses for the two majors is listed below; a different order is acceptable as long as the student adheres to prerequisite requirements.

Major Requirements

Bachelor of Arts Requirements for the Major

Calculus I, II and III; General Chemistry I, II with labs; Organic Chemistry I, II with labs; calculus-based Physics I, II; the following advanced chemistry courses: 3105, 3196*, 3301, 3302, and a choice of 4196 or 4396 (capstone writing course). If Chemistry 4396 is chosen, an additional course in chemistry numbered 4001 or above is required. If Chemistry 4196 is chosen, an additional advanced science course is required, chosen from a list of chemistry, biology, physics, Earth & Environmental Science, and mathematics courses.

Writing Intensive Requirement for Bachelor of Arts

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Biology 2296*, Biology 3096, Biology 3396, Chemistry 3196*, Chemistry 4196, Chemistry 4396, Earth & Environmental Science 4096, Earth & Environmental Science 4197, Earth & Environmental Science 4997, Mathematics 3098, Mathematics 4096, Physics 2796* or Physics 4796.

*Pending writing-intensive program approval.

Year 1 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	1031	General Chemistry I and	3	SA
Chemistry	1033	General Chemistry I Laboratory	1	SA
		<i>or</i>		
Chemistry	1041	General Chemical Science I and	3	SA
Chemistry	1043	General Chemical Science I Laboratory	1	SA
		<i>or</i>		
Chemistry	1951	Honors General Chemistry I and	3	SA
Chemistry	1953	Honors General Chemistry I Laboratory	1	SA

Mathematics	1041	Calculus I <i>or</i>	4	QB
Mathematics	1941	Honors Calculus I	4	QB
Subtotal			8	

Year 1 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	1032	General Chemistry II and	3	SB
Chemistry	1034	General Chemistry II Laboratory <i>or</i>	1	SB
Chemistry	1042	General Chemical Science II and	3	SB
Chemistry	1044	General Chemical Science II Laboratory <i>or</i>	1	SB
Chemistry	1952	Honors General Chemistry II and	3	SB
Chemistry	1954	Honors General Chemistry II Laboratory	1	SB
Mathematics	1042	Calculus II <i>or</i>	4	
Mathematics	1942	Honors Calculus II	4	
Subtotal			8	

Year 2 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	2201	Organic Chemistry I and	3	
Chemistry	2203	Organic Chemistry I Laboratory <i>or</i>	1	
Chemistry	2211	Organic Chemistry I for Majors and	3	
Chemistry	2213	Organic Chemistry I Laboratory for Majors <i>or</i>	1	
Chemistry	2921	Honors Organic Chemistry I and	3	SA
Chemistry	2923	Honors Organic Chemistry I Laboratory	1	SA
Mathematics	2043	Calculus III	4	
Physics	2021	General Physics I <i>or</i>	4	
Physics	1061	Elementary Classical Physics I	4	SA
Subtotal			12	

Year 2 – Spring Semester				
Department	Course #	Course Name	Hours	RCI

Chemistry	2202	Organic Chemistry II and	3	
Chemistry	2204	Organic Chemistry II Laboratory	1	
		or		
Chemistry	2212	Organic Chemistry II for Majors and	3	
Chemistry	2214	Organic Chemistry II Laboratory for Majors	1	
		or		
Chemistry	2922	Honors Organic Chemistry II and	3	SB
Chemistry	2924	Honors Organic Chemistry II Laboratory	1	SB
Physics	2022	General Physics II	4	
		or		
Physics	1062	Elementary Classical Physics II	4	SB
Subtotal			8	

Year 3 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	3196*	Techniques of Chemical Measurements I ¹	3	WI
Chemistry	3105	Introduction to Chemical Research Techniques	1	
Chemistry	3301	Physical Chemistry Lecture I	3	
Subtotal			7	
¹ Chemistry 3196* is a pre- or co-requisite for all chemistry laboratory courses numbered above 3196*.				

Year 3 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	3302	Physical Chemistry Lecture II	3	
Subtotal			3	

Year 4 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	4001 or above	Advanced Chemistry Course ²	3-5	
Subtotal			3-5	
² Advanced Chemistry Courses for B.A. students consist of all courses in Chemistry having a number of 4001 or higher. If the student has successfully completed the appropriate prerequisite course, a graduate course in Chemistry may be included in this category.				

Year 4 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Science or Mathematics		Advanced Science Course ³	3 to 5	

Chemistry	4196	Techniques of Chemical Measurement II ⁴	5	WI
	4396	<i>or</i> Physical Chemistry Laboratory ⁴	4	WI
Subtotal			7-10	
³ Advanced Science Courses for B.A. students consist of Chemistry 3881 or 3891 (only one of these may be counted as an advanced science course), and all other Chemistry courses numbered 4001 and above; Biology 2296*, 3096, 3265, 3334 and above; Earth & Environmental Science 2000 and above; Math 2101, 3031, 3098, 3141, and above; Physics 2101, 2502, 2796*, 3101, 3301, 3302, 4101, 4301, and above.				
⁴ Although neither Chemistry 4196 nor Chemistry 4396 are required as part of the B.A. degree program, at least one of the two must be taken in order to satisfy the Core requirement for a capstone writing-intensive course in the major. If Chemistry 4396 is selected, it may also count as the B.A. student's Advanced Science course; if Chemistry 4196 is selected, it may count either as the B.A. student's Advanced Chemistry or as the Advanced Science course.				

Credits in Coursework for B.A. in Chemistry⁴	52-56
General Education / Elective Credits	67-71
Total Credits for B.A. Degree	123

*Pending writing-intensive program approval.

Bachelor of Science Requirements for the Major

Calculus I, II and III; General Chemistry I, II with labs; Organic Chemistry I, II with labs; calculus-based Physics I, II; the following advanced chemistry courses: 3105, 3196*, 3301, 3302, 4001, 4196, 4396, two advanced chemistry courses numbered 4003 or above, and two advanced science courses.

For the B.S. degree to be certified by the American Chemical Society⁷, Calculus III is required. The two advanced chemistry electives chosen must be Chemistry 4003 and 4401; the two advanced science electives are to be chosen from Chemistry 3891, 4004, 4103, 4107, 4203, 4207, 4503, 4891.

Writing Intensive Requirement for Bachelor of Science

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Biology 2296*, Biology 3096, Biology 3396, Chemistry 3196*, Chemistry 4196, Chemistry 4396, Earth & Environmental Science 4096, Earth & Environmental Science 4197, Earth & Environmental Science 4997, Mathematics 3098, Mathematics 4096, Physics 2796* or Physics 4796.

*Pending writing-intensive program approval.

Year 1 – Fall Semester through Year 3 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
		Identical to B.A. Requirements		

Year 3 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	3302	Physical Chemistry Lecture II	3	
Chemistry	4396	Physical Chemistry Laboratory	4	WI
Subtotal			7	

Year 4 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	4001	Inorganic Chemistry	3	
Science or Mathematics		Advanced Science Course ^{5,7}	3-5	
Chemistry	4003 or above	Advanced Chemistry Course ^{6,7}	3-5	
Subtotal			9-13	

Year 4 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	4196	Techniques of Chemical Measurement II	5	WI
Science or Mathematics		Advanced Science Course ^{5,7}	3-5	
Chemistry	4003 or above	Advanced Chemistry Course ^{6,7}	3-5	
Subtotal			11-15	

⁵Advanced Science Courses for B.S. students consist of Chemistry 3881 or 3891 (only one of these may be counted as an advanced science course), and all other Chemistry courses numbered 4003 or above; Biology 2203, 3096, 3265, 3334 and above; Earth & Environmental Science 2000 and above; Math 2101, 3031, 3098, 3141 and above; Physics 2101, 2502, 2701, 3101, 3301, 3302, 4101, 4301 and above.

⁶Advanced Chemistry Courses for B.S. students consist of all courses in Chemistry having a number of 4003 or above. If the student has successfully completed the appropriate prerequisite course, a graduate course in Chemistry may be included in this category.

⁷In order for the B.S. degree to be certified by the American Chemical Society, the student must take Calculus III, Chemistry 4401 (*Biochemistry I*), Chemistry 4003 (*Inorganic Synthesis*), and at least two of the following Chemistry courses from the following Advanced Chemistry and Advanced Science courses: Chemistry 3891 or 4891 (*Undergraduate Research*); Chemistry 4004 (*Solid State Analysis*); Chemistry 4103 (*Instrumental Design*); Chemistry 4107 (*Drug Analysis*); Chemistry 4203 (*Qualitative Organic Analysis*); Chemistry 4207 (*Advanced Organic Preparations*); and Chemistry 4503 (*Introduction to Polymer Chemistry*).

Credits in Coursework for B.S. in Chemistry	70-78
General Education / Elective Credits	45-53
Total Credits for B.S. Degree	123

Five-Year Master's Programs

Five-Year B.A. or B.S./M.A.

Chemistry majors at the beginning of their junior year may apply for admission to the fifth-year M.A. Program. Upon admission to the program and satisfactory completion of the program requirements, the student is assured of having a master's degree at the end of the fifth year. Interested students should contact their advisor for details.

Five-Year Master's/Secondary Education Certification Program

This is a combined program between the College of Science and Technology and the College of Education. For more information, see the following web site:

www.temple.edu/bulletin/Academic_programs/schools_colleges/ed/intro/generalinfo/ed_generalinfo.shtm#teacher

Distinction in Major

To graduate with Distinction in Major, students are required to achieve a 3.33 GPA or higher in all the Chemistry courses in their major.

Computer Science

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Computer Science undergraduates study: computer software, including programming, design and engineering; system architectures, including networks and distributed systems; the mathematical foundations needed to understand and be effective in the discipline; and applications, including Data Bases, Computer Graphics and Web technologies. Our alumni will have a detailed understanding of computer and information technology, good practical skills in the use of that technology, good abilities in written and oral communications, and experience in teamwork. They will also have the opportunity to participate in internship programs and in research projects. Our alumni will have been in a program that stresses personal and professional responsibility, where all students, regardless of religion, race, or gender, feel at home. Our

alumni will be ready for successful careers in societies and technologies that are undergoing rapid change.

Major Requirements

Bachelor of Arts Requirements for the Major

Calculus I, II; sequenced lab science A & B; C+IN SC 1001, C+IN SC 1068, C+IN SC 1166 or Math 2196, C+IN SC 2107, C+IN SC 2168, C+IN SC 3207, C+IN SC 3223, C+IN SC 3287, C+IN SC 4397^ or 4398^; English 2696; Math 3033.

Writing Intensive Requirement for Bachelor of Arts

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: C+IN SC 4397^, C+IN SC 4398^, English 2696 or Math 2196.

^Pending Writing-Intensive Program Approval.

Year 1 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	1001	Introduction to Academics in Computer Science	1	
C+IN SC	1068	Program Design & Abstraction	4	
Mathematics	1041	Calculus I	4	QB
		<i>or</i>		
Mathematics	1941	Honors Calculus I	4	QB
Subtotal			9	

Year 1 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	2168	Data Structures	4	
Mathematics	1042	Calculus II	4	
		<i>or</i>		
Mathematics	1942	Honors Calculus II	4	
Subtotal			8	

Year 2 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	1166	Mathematical Concepts in Computing I	4	
		<i>or</i>		
Mathematics	2196	Basic Concepts of Math	3	WI
English	2696	Technical Writing	3	WI

Subtotal			6-7	
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Year 2 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	2107	Computer Systems & Low-Level Programming	4	
Mathematics	3033	Introduction to Probability Theory with Lab	4	
Subtotal			8	

Year 3 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	3207	Introduction to Systems Programming & Operating Systems	4	
Core	Elective	Laboratory Science A	4	SA
Subtotal			8	

Year 3 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	3287	Software Design Practicum	4	
Core	Elective	Laboratory Science B	4	SB
Subtotal			8	

Year 4 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	3223	Data Structures & Algorithms	4	
Subtotal			4	

Year 4 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
<i>Select one capstone course:</i>				
C+IN SC	4397^	Independent Research in Computer Science	4	WI
		or		
C+IN SC	4398^	Projects in Computer Science	4	WI
Subtotal			4	
^Pending Writing-Intensive Program Approval.				

Credits in Coursework for B.A. in C+IN SC	55-56
General Education / Elective Credits	67-68
Total Credits for B.A. Degree	123

Bachelor of Science Requirements for the Major

Calculus I, II; sequenced lab science A & B; C+IN SC 1001, C+IN SC 1068, C+IN SC 1166 or Math 2196, C+IN SC 2107, C+IN SC 2168, C+IN SC 3207, C+IN SC 3223, C+IN SC 3287,

C+IN SC 4397 or 4398 and three C+IN SC electives; English 2696; Math 3033; Theoretically-oriented course.

Writing Intensive Requirement for Bachelor of Science

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: C+IN SC 4298, C+IN SC 4397^, C+IN SC 4398^, English 2696 or Math 2196.

Year 1 – Fall Semester through Year 1 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
		Identical to B.A. Requirements		

Year 2 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	1166	Mathematical Concepts in Computing I	4	
		<i>or</i>		
Mathematics	2196	Basic Concepts of Math	3	WI
C+IN SC	2107	Computer Systems & Low-Level Programming	4	
English	2696	Technical Writing	3	WI
Subtotal			10-11	

Year 2 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	3207	Introduction to Systems Programming & Operating Systems	4	
Mathematics	3033	Introduction to Probability Theory with Lab	4	
Subtotal			8	

Year 3 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	3287	Software Design Practicum	4	
<i>Select one theoretically-oriented course:</i>				
C+IN SC	2166	Mathematical Concepts in Computing II	4	
		<i>or</i>		
C+IN SC	3211*	Automata, Computability, & Languages	3	
		<i>or</i>		
C+IN SC	3242*	Discrete Structures	3	
Science		Laboratory Science A	4	SA
Subtotal			11	
*C+IN SC 3211 or 3242 can be used as the theory course, if not used as a C+IN SC elective.				

Year 3 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	3223	Data Structures & Algorithms	4	
C+IN SC		C+IN SC Elective**	3-4	
Core	Elective	Laboratory Science B	4	SB
Subtotal			11-12	

Year 4 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC		C+IN SC elective**	3-4	
Subtotal			3-4	

Year 4 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
<i>Select one capstone course:</i>				
C+IN SC	4397^	Independent Research in Computer Science	4	WI
		or		
C+IN SC	4398^	Projects in Computer Science	4	WI
C+IN SC		C+IN SC elective**	3-4	
Subtotal			7-8	
**C+IN SC electives: C+IN SC 3203, C+IN SC 3211 (if not taken as theory requirement), C+IN SC 3219, C+IN SC 3242 (if not taken as theory requirement), C+IN SC 3381, C+IN SC 4282, C+IN SC 4298, C+IN SC 4305, C+IN SC 4307, C+IN SC 4308, C+IN SC 4319, C+IN SC 4324, C+IN SC 4331, C+IN SC 4350, C+IN SC 4382, C+IN SC 4397^ or C+IN SC 4398^ (if not taken as capstone requirement).				
^Pending Writing-Intensive Program Approval.				

Credits in Coursework for B.S. in C+IN SC	67-71
General Education / Elective Credits	52-56
Total Credits for B.S. Degree	123

Minor Requirements

Students desiring a minor in Computer Science are required to satisfy the following:

- C+IN SC 1068: *Program Design & Abstraction*
- C+IN SC 1166: *Mathematical Concepts in Computing I* or Mathematics 2196: *Basic Mathematical Concepts*
- C+IN SC 2107: *Computer Systems & Low-Level Programming*

- C+IN SC 2168: *Data Structures*
- C+IN SC 4282: *Independent Study* or an approved 2000 or above C+IN SC elective

Distinction in Major

To graduate with Distinction in Major, students are required to have a 3.50 or higher grade point average (GPA) both in the major and overall as well as be recommended by the department of Computer & Information Science.

Environmental Science

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Students will be equipped with the scholarly background and intellectual skills to understand a wide range of pressing environmental issues, and they will come to appreciate the physical, economic, political, demographic, and ethical factors that define those issues. Among the many environmental problems central to our program are groundwater contamination, suburban sprawl, river basin management, environmental justice, and the greening of abandoned urban spaces. Our graduates find employment with government environmental agencies, citizens' organizations, consulting firms, and corporate environmental affairs departments.

The Bachelor of Science degree is offered through the College of Science and Technology. A related Bachelor of Arts degree is offered through the College of Liberal Arts. There is further explanation in the "[Intercollegial Programs](#)" section of this *Bulletin*.

B.S. in Environmental Science

Bachelor of Science Major Requirements:

Calculus I, II; General Chemistry I, II with labs; Organic Chemistry I with labs; Biology 1111, 2112 and 2227; Economics 1102 and 3596; Environmental Studies 1051 or 1951 and 4198; Earth & Environmental Science 2001, 3021 and Earth & Environmental Science 3011 or Geography & Urban Studies 3062; Mathematics 2031 or Statistics 2101; along with five environmental studies electives. Of the five environmental studies electives, at least one must be a policy elective or a social sciences course, and two of the electives must be from a single science department.

Writing Intensive Requirement for Bachelor of Science

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing intensive requirement: Biology 3196, Earth & Environmental Science 4197, Earth & Environmental Science 4997, Economics 3596, Environmental Studies 4198, Environmental Studies/Anthropology 4796, Environmental

Studies/GUS 3097, Environmental Studies/GUS 4096, History/Environmental Studies 4297, Philosophy/Environmental Studies 2596.

Year 1 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	1031/1033	General Chemistry I with Lab	4	SA
		<i>or</i>		
Chemistry	1951/1953	Honors General Chemistry I with Lab	4	SA
Mathematics	1041	Calculus I	4	QB
		<i>or</i>		
Mathematics	1941	Honors Calculus I	4	QB
Subtotal			8	

Year 1 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	1032/1034	General Chemistry II with Lab	4	SB
		<i>or</i>		
Chemistry	1952/1954	Honors General Chemistry II with Lab	4	SB
Earth & Environmental Science	2001	Physical Geology	4	
Mathematics	1042	Calculus II	4	
		<i>or</i>		
Mathematics	1942	Honors Calculus II	4	
Subtotal			12	

Year 2 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Biology	2112	Introduction to Biology	4	
		<i>or</i>		
Biology	2912	Honors Introduction to Biology	4	SB
Chemistry	2201/2203	Organic Chemistry I with Lab	4	
EVNR ST/GUS	1051 or 1951	Environment & Society	3	IN
Subtotal			11	

Year 2 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	1111	Introduction to Biology	4	
		<i>or</i>		
Biology	1911	Honors Introduction to Biology	4	SA

Mathematics	2031	Probability & Statistics	3	QB
Statistics	2101	<i>or</i> Statistical Methods & Concepts	3	QB
Subtotal			7	

Year 3 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Earth & Environmental Science	3021	Introduction to Hydrology	4	
Elective		Environmental Studies Elective*	3-4	
Subtotal			7-8	

Year 3 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	2227	Principles of Ecology	4	
Economics	1102	Microeconomic Principles	3	IN
Economics	1902	<i>or</i> Honors Microeconomic Principles	3	IN
Earth & Environmental Science	3011	Remote Sensing & GIS	4	
Geography & Urban Studies	3062	<i>or</i> Fundamentals of Geographic Information Systems	3	
Subtotal			10-11	

Year 4 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Economics	3596	Energy, Ecology, & Economy	3	WI
Elective		Environmental Studies Elective*	3-4	
Elective		Environmental Studies Elective*	3-4	
Subtotal			9-11	

Year 4 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
EVRN ST	4198	Senior Research Seminar	3	WI
Elective		Environmental Studies Elective*	3-4	
Elective		Environmental Studies Elective*	3-4	
Subtotal			9-11	

Credits in Coursework for B.S. in Environmental Science	73-79
General Education / Elective Credits	44-50

Total Credits for B.S. Degree	123
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***Environmental Studies Electives**

In addition to the required courses and their prerequisites, B.S. majors must take five (5) courses from the list of approved electives. Two of these courses must be Natural Science courses from the same department, and one of them must be a Social Sciences/Humanities or a Policy elective course. Please note that your electives can be taken prior to the fourth year as long as you have successfully completed the pre- and co-requisites.

<i>*Students must take five electives from the following list:</i>		
Department	Course #	Course Name
Natural Science Electives		
Environmental Studies/Anthropology	3170	Methods in Archaeology
Environmental Studies/Anthropology	3189	Field Session in Archaeology
Environmental Studies/Anthropology	4896	Environmental Physiology
Biology	2238	Marine Environments
Biology	3196	Experimental Marine Biology
Biology	3245	Marine Ecology
Biology	3316	Tropical Marine Biology
Biology	3336	Freshwater Ecology
Botany	1112	Plant Ecology
Earth & Environmental Science	2015	Climate Change: Oceans to Atmosphere
Earth & Environmental Science	2021	Facies Models
Earth & Environmental Science	2061	Introduction to Geochemistry
Landscape Architecture	2758	Summer Field Ecology
Social Science/Policy Electives		
Environmental Studies/Anthropology	3175	Heritage Management in Archaeology
Environmental Studies/Anthropology	4117	Seminar in Environmental Archaeology
Environmental Studies/Anthropology	4796	Biocultural Adaptations in Human Populations
Community & Regional Planning	1027	History & Practice of Community & Regional Planning
Community & Regional Planning	2014	Planning Policy & Law
Community & Regional Planning	2114	Urban Form & Design
Community & Regional Planning	2213	Environmental Planning
Community & Regional Planning	2524	Fundamentals of Geographic Information Systems
Community & Regional Planning	3256	Sustainable Community Design & Development
Earth & Environmental Science	4197/4997	Environmental Seminar
Economics	1101	Macroeconomic Principles
Economics	3512	Public Finance
Economics	3513	Economics of State & Local Governments
Environmental Engineering Technology	4761	Environmental Regulations
Environmental Studies	3000	Special Topics in Environmental Studies

Environmental Studies	3025	Environmental Law & Regulation
Environmental Studies	4082	Independent Study – Environmental Studies
Environmental Studies	4085	Internship - Environmental Studies
Asian Studies/ENVN ST/GUS	3052	Environmental Problems in Asia
Environmental Studies/GUS	2051	The Urban Environment
Environmental Studies/GUS	3051	Environmental Policy Issues
Environmental Studies/GUS	3054	Energy, Resources, & Conservation
Environmental Studies/GUS	3062	Fundamentals of Geographic Information Systems
Environmental Studies/GUS	3097	Environment & Development
Environmental Studies/GUS	4015	The Geographic Basis of Land Use Planning
Environmental Studies/GUS	4051	Geography of Hazards
Environmental Studies/GUS	4056	Political Ecology
Environmental Studies/GUS	4071	Medical Geography
Environmental Studies/GUS	4096	Problems of Environmental Quality
History/Environmental Studies	3214	North American Environmental History
History/Environmental Studies	4297	Social History of American Medicine
Horticulture	2114	Soils
Horticulture	2334	Food Crops I
Horticulture	2353	Food Crops II
Horticulture	3514	Landscape Restoration
Journalism	3253	Health & Environmental Writing
Landscape Architecture	2144	Landscape Architecture Design Studio II
Philosophy/Environmental Studies	2157	Environmental Ethics
Philosophy/Environmental Studies	2596	Philosophical Perspectives on the Environment
Political Science/Environmental Studies	3152	U.S. Environmental Policy
Political Science/Environmental Studies	3265	International Environmental Policy
Public Health	2102	Environmental Health
Religion/Environmental Studies	3001	Earth Ethics
Religion/Asian St/Environmental Studies	3904	Honors Earth Ethics
Sociology/Environmental Studies	3511	Sociology of the Environment

Distinction in Major

To graduate with Distinction in Major, students are required to achieve a 3.5 GPA for courses required for the major. If the difficulty of courses chosen as electives is high, then a 3.3 GPA will earn Distinction in Major. This determination will be made by the appropriate faculty.

Environmental Studies Minor

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Students will be equipped with the scholarly background and intellectual skills to understand a wide range of pressing environmental issues, and they will come to appreciate the physical, economic, political, demographic, and ethical factors that define those issues. Among the many environmental problems central to our program are groundwater contamination, suburban sprawl, river basin management, environmental justice, and the greening of abandoned urban spaces. Our graduates find employment with government environmental agencies, citizens' organizations, consulting firms, and corporate environmental affairs departments.

The College of Liberal Arts offers the Bachelor of Arts in Environmental Studies and the College of Science and Technology offers the Bachelor of Science in Environmental Science. A minor also is offered through both colleges.

Requirements for the Minor in Environmental Studies in CLA

Please see the College of Liberal Arts *Bulletin* page for details on the requirements for the minor in Environmental Studies in CLA. Go to www.temple.edu/bulletin/Academic_programs/schools_colleges/cla/programs/environ_studies/cla_environ_studies.shtm#minor to view the course requirements.

Requirements for the Minor in Environmental Studies in CST

Department	Course #	Course Name	Hours	RCI
EVRN ST/GUS	1051 or 1951	Environment & Society	3	
One of the following (plus any required prerequisites):			3-4	
Biology	2227	Principles of Ecology		
		or		
EES	3021	Introduction to Hydrology		
		or		
EVRN ST/GUS	3062	Fundamentals of Geographic Information Systems		
		or		
Economics	3596	Energy, Ecology & Economy		
Policy Elective		Select one policy course from the list of approved electives.	3	
Environmental Studies Electives		Select three topics courses from the list of approved electives.	9	

Total			18-19
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List of Environmental Studies Electives

Department	Course #	Course Name
Natural Science Electives		
Environmental Studies/Anthropology	3170	Methods in Archaeology
Environmental Studies/Anthropology	3189	Field Session in Archaeology
Environmental Studies/Anthropology	4896	Environmental Physiology
Biology	2238	Marine Environments
Biology	3196	Experimental Marine Biology
Biology	3245	Marine Ecology
Biology	3316	Tropical Marine Biology
Biology	3336	Freshwater Ecology
Botany	1112	Plant Ecology
Earth & Environmental Science	2015	Climate Change: Oceans to Atmosphere
Earth & Environmental Science	2021	Facies Models
Earth & Environmental Science	2061	Introduction to Geochemistry
Landscape Architecture	2758	Summer Field Ecology
Social Science/Policy Electives		
Environmental Studies/Anthropology	3175	Heritage Management in Archaeology
Environmental Studies/Anthropology	4117	Seminar in Environmental Archaeology
Environmental Studies/Anthropology	4796	Biocultural Adaptations in Human Populations
Community & Regional Planning	1027	History & Practice of Community & Regional Planning
Community & Regional Planning	2014	Planning Policy & Law
Community & Regional Planning	2114	Urban Form & Design
Community & Regional Planning	2213	Environmental Planning
Community & Regional Planning	2524	Fundamentals of Geographic Information Systems
Community & Regional Planning	3256	Sustainable Community Design & Development
Economics	1101	Macroeconomic Principles
Economics	3512	Public Finance
Economics	3513	Economics of State & Local Governments
Environmental Engineering Technology	4761	Environmental Regulations
Environmental Studies	3000	Special Topics in Environmental Studies
Environmental Studies	3025	Environmental Law & Regulation
Environmental Studies	4082	Independent Study - Environmental Studies
Environmental Studies	4085	Internship - Environmental Studies
Asian Studies/EVRN ST/GUS	3052	Environmental Problems in Asia
Environmental Studies/GUS	2051	The Urban Environment
Environmental Studies/GUS	3051	Environmental Policy Issues
Environmental Studies/GUS	3054	Energy, Resources, & Conservation
Environmental Studies/GUS	3062	Fundamentals of Geographic Information Systems

Environmental Studies/GUS	3097	Environment & Development
Environmental Studies/GUS	4015	The Geographic Basis of Land Use Planning
Environmental Studies/GUS	4051	Geography of Hazards
Environmental Studies/GUS	4056	Political Ecology
Environmental Studies/GUS	4071	Medical Geography
Environmental Studies/GUS	4096	Problems of Environmental Quality
Earth & Environmental Science	4197	Environmental Seminar
Earth & Environmental Science	4997	Honors Environmental Seminar
History/Environmental Studies	3214	North American Environmental History
History/Environmental Studies	4297	Social History of American Medicine
Horticulture	2114	Soils
Horticulture	2334	Food Crops I
Horticulture	2353	Food Crops II
Horticulture	3514	Landscape Restoration
Journalism	3253	Health & Environmental Writing
Landscape Architecture	2144	Landscape Architecture Design Studio II
Philosophy/Environmental Studies	2157	Environmental Ethics
Philosophy/Environmental Studies	2596	Philosophical Perspectives on the Environment
Political Science/Environmental Studies	3152	U.S. Environmental Policy
Political Science/Environmental Studies	3265	International Environmental Policy
Public Health	2102	Environmental Health
Religion/Environmental Studies	3001	Earth Ethics
Religion/Asian St/Environmental Studies	3904	Honors Earth Ethics
Sociology/Environmental Studies	3511	Sociology of the Environment

Geology

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The Department of Earth and Environmental Science offers both a B.S. and a B.A. in Geology.

The B.S. program prepares students for immediate entry into a career in geology or for graduate studies. Career opportunities for geologists in industry and government include planning for the environment, evaluation of waste disposal sites, monitoring of groundwater, and exploration for natural resources. The B.S. program is excellent preparation for graduate study and ultimately for a career in research, teaching, industry, or government.

The B.A. program is not intended for prospective geologists. The B.A. program is suitable for pre-medicine or pre-law students or for students planning to teach earth science in secondary school.

A departmental field trip for undergraduate students, graduate students, and faculty will be conducted during the fall semester.

B.A. in Geology

Bachelor of Arts Major Requirements

General Chemistry I with lab; Calculus I; calculus-based Physics I; Earth & Environmental Science 2001, Earth & Environmental Science 2011, Earth & Environmental Science 3021, five upper-division Earth & Environmental Science electives of which at least two must be writing intensive; and three of the following science foundation electives: Biology 1111, Biology 2112, Chemistry 1032/1034, Chemistry 2201/2203, Math 1042, Math 2031 or Physics 1062.

Writing Intensive Requirement for Bachelor of Arts

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Earth & Environmental Science 4096, Earth & Environmental Science 4197 and Earth & Environmental Science 4997.

Year 1 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Earth & Environmental Science	2001	Physical Geology	4	
Mathematics	1041	Calculus I	4	QB
	1941	Honors Calculus I	4	QB
Subtotal			8	

Year 1 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	1031	General Chemistry I and	3	SA
Chemistry	1033	General Chemistry I Laboratory	1	SA
		or		
Chemistry	1041	General Chemical Science I and	3	SA
Chemistry	1043	General Chemical Science I Laboratory	1	SA
		or		
Chemistry	1951	Honors General Chemistry I and	3	SA
Chemistry	1953	Honors General Chemistry I Laboratory	1	SA
Subtotal			4	

Year 2 - Fall Semester				
Department	Course #	Course Name	Hours	RCI

Earth & Environmental Science	2011	Mineralogy I	4	
Physics	1061	Elementary Classical Physics I	4	SA
Subtotal			8	

Year 2 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Earth & Environmental Science		Earth & Environmental Science Elective*	4	
Science		Science Foundation Elective^	3-4	
Subtotal			7-8	

Year 3 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Earth & Environmental Science	3021	Introduction to Hydrology	4	
Science		Science Foundation Elective^	4	
Subtotal			8	

Year 3 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Earth & Environmental Science		Earth & Environmental Science Elective*	4	WI
Science		Science Foundation Elective^	4	
Subtotal			8	

Year 4 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Earth & Environmental Science		Earth & Environmental Science Elective*	4	
Subtotal			4	

Year 4 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Earth & Environmental Science		Earth & Environmental Science Elective*	4	WI
Earth & Environmental Science		Earth & Environmental Science Elective*	4	
Subtotal			8	

Credits in Coursework for B.A. in Earth Science	55-56
General Education / Elective Credits	67-68
Total Credits for B.A. Degree	123

*Earth & Environmental Science Electives

Earth & Environmental Science electives must be above 2000, and at least two of the Earth & Environmental Science electives must be writing-intensive courses.

^Science Foundation Electives

Department	Course #	Course Name	Hours	RCI
Biology	1111	Introduction to Biology	4	
	1911	Honors Introduction to Biology	4	SA
Biology	2112	Introduction to Biology	4	
	2912	Honors Introduction to Biology	4	SB
Chemistry	1032/1034	General Chemistry II & Lab	4	SB
	1042/1044	General Chemical Science II & Lab	4	SB
	1952/1954	Honors General Chemical Science II & Lab	4	SB
Chemistry	2201/2203	Organic Chemistry I & Lab	4	
Mathematics	1042	Calculus II	4	
Mathematics	2031	Probability & Statistics	3	
Physics	1062	Elementary Classical Physics II	4	SB
	2022	General Physics II	4	

B.S. in Geology

Bachelor of Science Major Requirements

Calculus I; General Chemistry I with lab; Calculus-based Physics I; Earth & Environmental Science 2001, Earth & Environmental Science 2011, Earth & Environmental Science 2020-2029, Earth & Environmental Science 3001-3009, Earth & Environmental Science 3020-3025, Earth & Environmental Science 4096-4099, Earth & Environmental Science 4197 and Earth & Environmental Science 4589 (Field Geology) which is taken during the summer; three upper-division Earth & Environmental Science electives (two of the three can be replaced with upper-level science electives); three science foundation electives.

Writing Intensive Requirement for Bachelor of Science

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Earth & Environmental Science 4096, Earth & Environmental Science 4197 and Earth & Environmental Science 4997.

Year 1 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Earth & Environmental Science	2001	Physical Geology	4	
Mathematics	1041	Calculus I	4	QB
	1941	Honors Calculus I		QB
Subtotal			8	

Year 1 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	1031/1033	General Chemistry I & Lab	4	SA
		<i>or</i>		
	1041/1043	General Chemical Science I & Lab		SA
		<i>or</i>		
	1951/1953	Honors General Chemical Science I & Lab		SA
Science		Science Foundation Elective^	3-4	
Subtotal			7-8	

Year 2 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Earth & Environmental Science	2011	Mineralogy I	4	
Science		Science Foundation Elective^	4	
Subtotal			8	

Year 2 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Earth & Environmental Science	3001-3009	Igneous & Metamorphic Petrology (or Similar)	4	
Earth & Environmental Science	2000+	2000+ Upper-Level Geology Course	3-4	
Physics	1061	Elementary Classical Physics I	4	SB
	2021	General Physics I		
Subtotal			11	

Year 3 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Earth & Environmental Science	2020-2029	Facies Models (or Similar)	4	
Earth & Environmental Science	3020-3025	Introduction to Hydrology (or Similar)	4	
Science		Science Foundation Elective^	4	
Subtotal			12	

Year 3 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Earth & Environmental Science	2020-2029	Paleontology & Stratigraphy (or Similar)	4	
Earth & Environmental Science	4096-4099	Structural Geology (or Similar)	4	WI
Subtotal			8	

Year 3 - Summer Semester				
Department	Course #	Course Name	Hours	RCI
Earth & Environmental Science	4589	Field Geology (see Advisor)	6	
Subtotal			6	

Note: Summer field camp is required of all B.S. geology majors and is usually taken in the summer of the junior or senior year. The Earth & Environmental Science undergraduate advisor must approve the choice of field camp.

Year 4 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Earth & Environmental Science <i>or</i> Science Elective		2000+ Geology Elective <i>or</i> Science Upper-Level Elective*	3-4	
Subtotal			3-4	

Year 4 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Earth & Environmental Science	4197	Environmental Seminar	3-4	WI
	Elective	2000+ Geology Elective		WI
Earth & Environmental Science <i>or</i> Science Elective		2000+ Geology Elective <i>or</i> Science Upper-Level Elective*	3-4	
Subtotal			6-8	

Credits in Coursework for B.S. in Geology	69-73
General Education / Elective Credits	50-54
Total Credits for B.S. Degree	123

^Science Foundation electives

Department	Course #	Course Name	Hours	RCI
Biology	1111	Introduction to Biology	4	SA
	1911	Honors Introduction to Biology	4	
Biology	2112	Introduction to Biology	4	SB
	2912	Honors Introduction to Biology	4	
Chemistry	1032/1034	General Chemistry II & Lab	4	SB
	1042/1044	General Chemical Science II & Lab	4	SB
	1952/1954	Honors General Chemical Science II & Lab	4	SB
Chemistry	2201/2203	Organic Chemistry I & Lab	4	
Mathematics	1042	Calculus II	4	
Mathematics	2031	Probability & Statistics	3	
Physics	1062	Elementary Classical Physics II	4	SB
	2022	General Physics II	4	

***Science Upper Level Electives**

The following is the list of courses that you can select from to fulfill the science upper-level electives: Biology 2112 or higher; Chemistry 2201/2203 or higher; Earth & Environmental Science 2000+ or higher; Mathematics 2043 or higher and Physics 1062 or higher. Science Foundation Electives (SFE) and Science Upper-Level Electives (SUE) courses can not be double-counted.

Earth & Environmental Science electives must be above 2000, and at least two must be writing intensive. At most, one of the Earth & Environmental Science electives and SUEs may be a graduate-level course.

Minor

Students interested in acquiring a basic knowledge of Geology but not wishing to major in Geology may pursue a minor in Geology by successfully completing the following courses:

- Earth & Environmental Science 1001 with lab or 2001 with lab
- Chemistry 1021/1023 or Chemistry 1031/1033
- Mathematics 1011 or Mathematics 1041
- Earth & Environmental Science electives numbered above 2001, with a total of 16 or more credits, chosen with the approval of the undergraduate Earth & Environmental Science advisor.

Five-Year Master's Program

Five-Year Combined B.A. or B.S. and Ed.M. Program

This is a combined program between the College of Science and Technology and the College of Education. For more information, see the following web site:

www.temple.edu/bulletin/Academic_programs/schools_colleges/ed/intro/generalinfo/ed_generalinfo.shtm#teacher

Senior Research Project

Students whose cumulative GPA is at least 3.25 at the end of the first semester of their junior year are eligible to undertake a senior research project. In the second semester of their junior year, students must select a faculty research advisor and, with the advisor, prepare a written research proposal. After the research advisor and the undergraduate Earth & Environmental Science advisor approve the proposal, the student may register for 3 hours of Earth & Environmental Science 4082 (Individual Study Program), in the summer and each semester of the senior year (up to a total of 9 hours), to carry out the research project. Normally, the project will involve field or laboratory work in the summer between the junior and senior years and lead to presentation of the results at a departmental seminar at the end of the senior year.

Distinction in Major

To graduate with Distinction in Major, students are required to achieve a 3.5 GPA for the aggregate of courses required for the B.S. in Geology or the B.A. in Earth Science.

Information Science & Technology

Dr. Yuan Shi, Chair
Dr. Gary Baram, Advisor
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The new undergraduate programs in Information Science and Technology (IS&T) offered by the Computer and Information Science (C+IN SC) Department are intended to provide students with both a detailed knowledge and a broad background in the technology of information systems. Fundamental concepts in mathematics, programming, object-oriented modeling, databases, software systems analysis and design, computer-operating systems and architectures, and networks and communications are stressed in the first two years. Special topics, including component-based software development and net-centric and client-server computing, are offered as part of the last two years of the program. A two-semester capstone project course is required. This course is designed to help students integrate what they have learned in other courses and apply this knowledge in the design and implementation of a software application.

Students develop the skills and the knowledge necessary to analyze information problems and to apply current technology to their solution. The emphasis is to develop problem-solving and communication skills. Substantial laboratory work is required. Students participate individually and in groups in the design, development, testing and documentation of information systems for a university or an external client.

Major Requirements

Bachelor of Arts Major Requirements

Math 1031, Math 2031; C+IN SC 1048, C+IN SC 1066, C+IN SC 1073, C+IN SC 2109, C+IN SC 2173, C+IN SC 3229, C+IN SC 3309, C+IN SC 4296, C+IN SC 4329, C+IN SC 4342, C+IN SC 4396.

Writing Intensive Requirement for Bachelor of Arts

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that may be used to satisfy the writing-intensive requirement: C+IN SC 4296 and C+IN SC 4396.

Year 1 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	1048	Introduction to IS&T	4	
Math	1031	Differential & Integral Calculus	4	QB
Subtotal			8	

Year 1 – Spring				
Department	Course #	Course Name	Hours	RCI
C+IN SC	1066	Mathematics Concepts for Computers	4	
C+IN SC	1073	Computer Programming & Higher Level Languages	4	QB
Subtotal			8	

Year 2 – Fall Semester				
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Department	Course #	Course Name	Hours	RCI
Math	2031	Probability & Statistics	3	
C+IN SC	2173	Object-Oriented Programming	4	
Subtotal			7	

Year 2– Spring Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	2109	Database & File Management Systems	4	
C+IN SC	3229	Operating Systems & Networking	4	
Subtotal			8	

Year 3 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	3309	Component-Based Software Design	4	
Subtotal			4	

Year 3 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	4329	Network Architectures	4	
Subtotal			4	

Year 4 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	4296	Information Systems Analysis & Design	4	WI
C+IN SC	4342	Networked Application Systems	4	
Subtotal			8	

Year 4 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	4396	Information Systems Implementation	3	WI
Subtotal			3	

Credits in Coursework for B.A. in IS&T	50
General Education / Elective Credits	73
Total Credits for B.A. Degree	123

Bachelor of Science Major Requirements

Math 1031, Math 2031; C+IN SC 1048, C+IN SC 1066, C+IN SC 1073, C+IN SC 2109, C+IN SC 2173, C+IN SC 3229, C+IN SC 3309, C+IN SC 4296, C+IN SC 4329, C+IN SC 4342, C+IN SC 4396; and four IS&T related electives*.

Writing Intensive Requirement for Bachelor of Science

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: C+IN SC 4296 and C+IN SC 4396.

Year 1 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	1048	Introduction to IS&T	4	
Math	1031	Differential & Integral Calculus	4	QB
Subtotal			8	

Year 1 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	1066	Mathematics Concepts for Computers	4	SB
C+IN SC	1073	Computer Programming & Higher Level Languages	4	QB
Subtotal			8	

Year 2 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Math	2031	Probability & Statistics	3	
C+IN SC	2173	Object-Oriented Programming	4	
Subtotal			7	

Year 2– Spring Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	2109	Database & File Management Systems	4	
C+IN SC	3229	Operating Systems & Networking	4	
Subtotal			8	

Year 3 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	3309	Component-Based Software Design	4	
C+IN SC		IS&T Elective*	4	

Subtotal			8	
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Year 3 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	4329	Network Architectures	4	
C+IN SC		IS&T Elective*	4	
Subtotal			8	

Year 4 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	4296	Information Systems Analysis & Design	4	WI
C+IN SC	4342	Networked Application Systems	4	
Subtotal			8	

Year 4 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	4396	Information Systems Implementation	3	WI
C+IN SC		IS&T Elective*	4	
C+IN SC		IS&T Elective*	4	
Subtotal			11	

Credits in Coursework for B.S. in IS&T	66
General Education / Elective Credits	57
Total Credits for B.S. Degree	123

*IS&T related elective courses are: C+IN SC 3281[^], C+IN SC 4282[^], C+IN SC 4308, C+IN SC 4340, C+IN SC 4344, C+IN SC 4350, C+IN SC 4362, C+IN SC 4372, C+IN SC 4376, C+IN SC 4378, C+IN SC 4382[^]. Other courses may be selected from any department at Temple University at the 3000-level or above that are IS&T-related and have been approved by an advisor.

[^]Note: A maximum of two courses may be taken from C+IN SC 3281, C+IN SC 4282, and C+IN SC 4382. C+IN SC 3281 may be taken twice within this two-course maximum.

Minor Requirements

Students desiring a minor in Information Science and Technology are required to satisfy the following:

- C+IN SC 1048 (*Introduction to IS&T*)

- C+IN SC 1073 (*Computer Programming & Higher Level Languages*)
- C+IN SC 2109 (*Database & File Management Systems*)
- C+IN SC 2173 (*Object-Oriented Programming*) **OR** C+IN SC 3229 (*Operating Systems & Networking*)
- IS&T related elective from any department at the 3000-level or above, chosen in consultation with the faculty advisor.

Distinction in Major

To graduate with Distinction in Major, students are required to have a 3.50 or higher grade point average (GPA) both in the major and overall, as well as be recommended by the department of Computer & Information Science.

Mathematics

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Mathematics majors may select either the Bachelor of Arts (B.A.) program or the Bachelor of Science (B.S.) program.

The B.A. program is intended for those students who plan to seek employment in a mathematics-related field upon graduation. The program lays a solid mathematical foundation through its required courses and gives students an opportunity to pursue their mathematical interests through the choice of three electives. Several potential tracks include:

- 1). Students interested in teaching mathematics at a high school level should choose Math 3003: *Theory of Numbers*, Math 3061: *Modern Geometry I*, and Math 3032: *Mathematical Statistics*, as their electives
- 2). Students interested in applied mathematics should choose from Math 3043: *Numerical Analysis I*, Math 3044: *Numerical Analysis II*, Math 3032: *Mathematical Statistics*, and Math 4043: *Applied Mathematics*, and
- 3). Students interested in actuarial science or finance should choose Math 3043: *Numerical Analysis I*, Math 3032: *Mathematical Statistics*, and Math 4033: *Introduction to Probability Models*.

Other choices of electives are also possible. Students who are interested in teaching mathematics at a high school after graduation should seriously consider the B.S. in Mathematics With Teaching program. This program provides solid mathematical foundation and pedagogical training necessary for success as a high school teacher and satisfies Pennsylvania's teacher certification requirements.

The B.S. degree is intended for those students who plan to pursue a graduate degree in mathematics or a mathematics-related field or are interested in learning mathematics in more depth. It is a more challenging alternative for the stronger math students.

Either program can be combined with the department's M.A. program leading to an M.A. degree after five years of study.

The department offers joint programs with the Department of Physics and the Department of Computer and Information Science leading to a B.S. degree and a joint program with the Department of Economics leading to a B.A. degree. Students who wish to pursue careers as secondary math teachers may also choose a five-year interdisciplinary program, offered jointly with the College of Education, that leads to a Bachelor's degree in Mathematics, a Master's degree in Education, and teacher certification.

Major Requirements

Bachelor of Arts Major Requirements

One of the following courses in Computer and Information Sciences: C+IN SC 1053, 1057 or C+IN SC 1068; Math 1041, 1042, 2043, 2101, 2196, 3031, 3096*, 3137, 3138, 4096 and three math electives 3000+; Physics 1061 and 1062.

Writing Intensive Requirement for Bachelor of Arts

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Math 2196, Math 3096*, or Math 4096.

Year 1 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	1041	Calculus I	4	QB
		<i>or</i>		
Mathematics	1941	Honors Calculus I	4	QB
C+IN SC	1053	Programming in Matlab	4	QB
		<i>or</i>		
C+IN SC	1057	Computer Programming in C	4	QB
		<i>or</i>		
C+IN SC	1068	Program Design & Abstraction	4	
Subtotal			8	

Year 1 - Spring Semester				
Department	Course #	Course Name	Hours	RCI

Mathematics	1042	Calculus II	4	
		<i>or</i>		
Mathematics	1942	Honors Calculus II	4	
Physics	1061	Elementary Classical Physics I	4	SA
Subtotal			8	

Year 2 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	2043	Calculus III	4	
Mathematics	2101	Linear Algebra	3	
Physics	1062	Elementary Classical Physics II	4	SB
Subtotal			11	

Year 2 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	2196	Basic Mathematical Concepts	3	WI
Mathematics		3000+ Math Elective	3	
Subtotal			6	

Year 3 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	3096*	Introduction to Modern Algebra	3	WI
Mathematics	3137	Real & Complex Analysis I	3	
Subtotal			6	

Year 3 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	3031	Introduction to Probability Theory	3	
Mathematics	3138	Real & Complex Analysis II	3	
Mathematics		3000+ Math Elective	3	
Subtotal			9	

Year 4 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics		3000+ Math Elective	3	
Subtotal			3	

Year 4 - Spring Semester				
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Department	Course #	Course Name	Hours	RCI
Mathematics	4096	Senior Problem Solving Seminar	3	WI
Subtotal			3	

Credits in Coursework for B.A. in Mathematics	54
General Education / Elective Credits	69
Total Credits for B.A. Degree	123

*Pending course approval. Contact your academic advisor for more information.

Bachelor of Science Major Requirements

One of the following courses in Computer and Information Sciences: C+IN SC 1053, 1057 or C+IN SC 1068; Math 1041, 1042, 2043, 3031, 3045*, 3051*, 3098, 3101, 3141, 3142, 4051, 4096 and four math electives 3000+ (Math 2196 can count for one of the Math 3000+ electives, provided it is taken prior to Math 3098 and Math 3141); Physics 1061 and 1062.

Writing Intensive Requirement for Bachelor of Science

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Math 2196, Math 3098 or Math 4096.

Year 1 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	1053	Programming in Matlab	4	QB
		or		
C+IN SC	1057	Computer Programming in C	4	
		or		QB
C+IN SC	1068	Program Design & Abstraction	4	
Mathematics	1041	Calculus I	4	QB
		or		
Mathematics	1941	Honors Calculus I	4	QB
Physics	1061	Elementary Classical Physics I	4	SA
Subtotal			12	

Year 1 - Spring Semester				
Department	Course #	Course Name	Hours	RCI

Mathematics	1042	Calculus II	4	
		<i>or</i>		
Mathematics	1942	Honors Calculus II	4	
Physics	1062	Elementary Classical Physics II	4	SB
Subtotal			8	

Year 2 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	2043	Calculus III	4	
Mathematics	3045*	Differential Equations with Linear Algebra	4	
Subtotal			8	

Year 2 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	3031	Introduction to Probability Theory	3	
Mathematics	3051*	Theoretical Linear Algebra	4	
Subtotal			7	

Year 3 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	3098	Modern Algebra	3	WI
Mathematics	3141	Advanced Calculus I	3	
Mathematics		3000+ Math Elective	3	
Subtotal			9	

Year 3 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	3101	Topics in Modern Algebra	3	
Mathematics	3142	Advanced Calculus II	3	
Mathematics		3000+ Math Elective	3	
Subtotal			9	

Year 4 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	4051	Introduction to Functions of a Complex Variable	3	
Mathematics		3000+ Math Electives	3	
Subtotal			6	

Year 4 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	4096	Senior Problem Solving Seminar	3	WI
Mathematics		3000+ Math Electives	3	
Subtotal			6	

Credits in Coursework for B.S. in Mathematics	65
General Education / Elective Credits	58
Total Credits for B.S. Degree	123

*Pending course approval. Contact your academic advisor for more information.

Intercollegial B.A. Degree in Mathematical Economics

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Dr. Boris A. Datskovsky, Director of Undergraduate Studies, Mathematics

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or

Dr. William J. Stull, Chair, Economics

Dr. Dimitrios Diamantaras, Advisor, Economics

Ritter Annex 623

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The Departments of Economics and Mathematics offer the Mathematical Economics program as a platform for systematic concentration in the mathematical approach to economics. Economics has progressed in the last several decades by making extensive use of mathematical techniques. As a result, students who wish to pursue graduate study in economics, finance, accounting and other disciplines that make an extensive use of economics need a thorough grounding in both economics and mathematics. The Mathematical Economics curriculum provides this grounding with a broad selection of courses that cover all important areas of economics and the mathematical tools required for a critical, deep mastery of these areas. This program is especially recommended for those students who intend to pursue graduate studies in Economics. The program and its requirements are described in full in the "[Intercollegial Programs](#)" section of this *Bulletin*.

Interdisciplinary B.S. Degree in Mathematics & Physics

Dr. Tao Rongjia, Chair, Physics

Dr. Zbigniew Dziembowski, Undergraduate Faculty Advisor, Physics

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The interdisciplinary program is jointly administered by the departments of Mathematics and Physics. For further discussion of the Interdisciplinary major requirements, please see [Mathematics & Physics](#) in this *Bulletin*.

Five-Year Master's Program

The Combined B.A. or B.S./M.A. Program

To participate in this five-year program, a mathematics major should be enrolled in either the B.A. or the B.S. program. Application to continue in the M.A. program must be made to the graduate chair of the department no later than the first semester of the senior year. To be accepted by the M.A. program, a student must have a GPA of at least 3.25 in Mathematics courses when the application is made. In addition to completing the B.A. or B.S. requirements, the student must complete four additional graduate-level mathematics courses numbered 5000 and above by the end of her/his senior year. If the Core and College requirements have also been met, the student will be awarded the B.A. or B.S. degree at the conclusion of this portion of the program. All courses must be passed with a grade of C- or better, and no more than two graduate courses can carry a grade less than B- for the student to continue with the M.A. portion of the program.

Fifth-Year Course Requirements

The student will take a total of six graduate-level courses, selected to conform to the M.A. requirements. At the end of the fifth year, the student must either write a master's thesis or pass one of the following examinations:

- Master's Comprehensive Examination in Pure Mathematics
 - Master's Comprehensive Examination in Applied Mathematics
 - Ph.D. Combined Comprehensive Examination (M.A. level pass)
- For further details on the M.A. degree requirement see the [Graduate Bulletin](#).

Five-Year Master's/Secondary Education Certification Program

This is a combined program between the College of Science and Technology and the College of Education. For more information, see the following web site:

www.temple.edu/bulletin/Academic_programs/schools_colleges/ed/intro/generalinfo/ed_generalinfo.shtm#teacher

Minor Requirements

- Three semesters of calculus (Math 1041, Math 1042, and Math 2043).
- One semester of computer programming (Computer and Information Sciences: C+IN SC 1053, C+IN SC 1057, C+IN SC 1068, C+IN SC 2168 or Physics 2501).
- Linear algebra (Math 2101)
- Five additional mathematics courses numbered 3000 or above; or Math 2196 and four mathematics courses numbered 3000 or above. (Math 2196 must be taken prior to Math 3098 or Math 3141.)

Distinction in Mathematics

To graduate with Distinction in Mathematics a student should meet the following requirements:

1. All requirements for the B.A. or B.S. degree in Mathematics must be met with a GPA of at least 3.50 in the Mathematics courses.
2. At the time of graduation, the student's overall GPA, including all college-level courses, must be at least 3.25.
3. Bachelor of Arts students and students enrolled in TUteach - Mathematics Program must complete Math 3141, Math 3142 and Math 4051 instead of Math 3137 and Math 3138, as well as Math 3098 and Math 3101 instead of Math 3096 in order to qualify for a Distinction in Major.
4. A student must either have a GPA of 3.50 or higher in the following courses: Math 3141, Math 3142, Math 3098, Math 3101, Math 4051 and any other 4000-level course other than individual study, or a student must complete a graduate math course 5000-level or higher with a grade of B or better.

Mathematics & Computer Science

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Dr. Yuan Shi, Chair
Dr. Anthony Hughes, Advisor
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Major Requirements

This program is intended for students who are interested in computer science and mathematical computing. It provides a solid knowledge of theoretical computer science and its mathematical foundations and compares favorably with other theoretically-oriented computer science programs. The program is particularly recommended to those students who are interested in pursuing a graduate degree in computer science or computational mathematics.

Bachelor of Science Major Requirements

The course requirements for the major are the following: C+IN SC 1068, C+IN SC 1166, C+IN SC 2107, C+IN SC 2166, C+IN SC 2168, C+IN SC 3207, C+IN SC 3223 and two C+IN SC Electives; MATH 1041, MATH 1042, MATH 2043, MATH 2101, MATH 3003 or 3098, MATH 3031, MATH 3043, MATH 4096 and two Math Electives; Science I and II, which can be either Chemistry 1031/1033 and 1032/1034 or Physics 1061 and 1062.

Writing Intensive Requirement for Bachelor of Science

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: C+IN SC 4298, C+IN SC 4397***, C+IN SC 4398***, MATH 2196, MATH 3098, or MATH 4096.

Year 1 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	1068	Program Design & Abstraction	4	
MATH	1041	Calculus I	4	QB
Subtotal			8	

Year 1 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	2168	Data Structures	4	
MATH	1042	Calculus II	4	
Subtotal			8	

Year 2 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	1166	Mathematical Concepts in Computing I	4	
MATH	2043	Calculus III	4	
MATH	2101	Linear Algebra	3	
Subtotal			11	

Year 2 - Spring Semester				
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Department	Course #	Course Name	Hours	RCI
C+IN SC	2107	Computer Systems & Low-Level Programming	4	
C+IN SC	2166	Mathematical Concepts in Computing II	4	
MATH	3031	Introduction to Probability Theory	3	
Subtotal			11	

Year 3 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	3207	Introduction to Systems Programming & Operating Systems	4	
MATH	3003	Theory of Numbers	3	
		<i>or</i>		
MATH	3098	Modern Algebra	3	WI
Chemistry	1031/1033	General Chemistry I and General Chemistry I Laboratory	4	SA
		<i>or</i>		
Physics	1061	Elementary Classical Physics I	4	SA
Subtotal			11	

Year 3 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	3223	Data Structures & Algorithms	4	
MATH		3000+ Math Elective*	3	
Chemistry	1032/1034	General Chemistry II and General Chemistry II Laboratory	4	SB
		<i>or</i>		
Physics	1062	Elementary Classical Physics II	4	SB
Subtotal			11	

Year 4 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC		3000+ C+IN SC Elective**	4	
MATH	3043	Numerical Analysis I	4	
MATH		3000+ Math Elective*	3	
Subtotal			11	

Year 4 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC		3000+ C+IN SC Elective**	4	

C+IN SC	4398***	Projects in Computer Science	4	WI
MATH	4096	<i>or</i> Senior Problem Solving	3	WI
Subtotal			7-8	

Credits in Coursework for B.S. in Mathematics & Computer Science	78
General Education / Elective Credits	45
Total Credits for B.S. Degree	123

*Math electives must be 3000 or higher, and they must be approved by the math program advisor. (MATH 2196 can count for one for the electives, provided it is taken prior to MATH 3098 and MATH 3141.)

**C+IN SC electives must be 3000 or higher, and they must be approved by the C+IN SC program advisor.

***Pending final course approval. Contact your academic advisor for more information, when applicable.

Mathematics & Physics

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Major Requirements

Bachelor of Science Requirements for Mathematics & Physics Major

Math 1041, Math 1042, Math 2043, Math 3031, Math 3045*, Math 3051*, Math 3098, Math 3141, Math 3142, Math 4051; Physics 1061 or 2021, Physics 1062 or 2022, Physics 2101, Physics 2501, Physics 2502, Physics 2701, Physics 3101, Physics 3301, Physics 3302, Physics 3701, Physics 4101; and Math 4096 or Physics 4796.

Writing Intensive Major Requirement

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Math 3098, Math 4096 or Physics 4796.

Year 1 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	1041	Calculus I	4	QB
		<i>or</i>		
Mathematics	1941	Honors Calculus I	4	QB
Physics	1061	Elementary Classical Physics I	4	SA
		<i>or</i>		
Physics	2021	General Physics I	4	
Subtotal			8	

Year 1 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	1042	Calculus II	4	
		<i>or</i>		
Mathematics	1942	Honors Calculus II	4	
Physics	1062	Elementary Classical Physics II	4	SB
		<i>or</i>		
Physics	2022	General Physics II	4	
Subtotal			8	

Year 2 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	2043	Calculus III	4	
Mathematics	3031	Introduction to Probability Theory	3	
Mathematics	3045*	Differential Equations with Linear Algebra	4	
Subtotal			11	

Year 2 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Physics	2101	Classical Mechanics	3	
Physics	2502	Mathematical Physics	4	
Physics	2701	Introduction to Modern Physics	4	
Subtotal			11	

Year 3 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	3141	Advanced Calculus I	3	
Physics	3101	Analytical Mechanics	3	
Physics	3301	Electricity & Magnetism	4	
Subtotal			10	

Year 3 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	3051*	Theoretical Linear Algebra	4	
Mathematics	3142	Advanced Calculus II	3	
Physics	3701	Introduction to Quantum Mechanics	3	
Subtotal			10	

Year 4 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	3098	Modern Algebra	3	WI
Physics	2501	Computing for Scientists	3	
Physics	4101	Thermodynamics & Kinetic Theory	3	
Subtotal			9	

Year 4 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	4051	Intro. to Functions of a Complex Variable	3	
Mathematics	4096	Senior Problem Solving	3	WI
		<i>or</i>		
Physics	4796	Experimental Physics	3	WI
Physics	3302	Classical Electromagnetism	3	
Subtotal			9	

Credits in Coursework for B.S. in Math/Physics	76
General Education / Elective Credits	47
Total Credits for B.S. Degree	123

*Pending final course approval. Contact your academic advisor for more information.

Natural Sciences

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The Bachelor of Arts (B.A.) in the Natural Sciences provides students more breadth than traditional science programs. Many exciting areas of scientific inquiry, such as the neurosciences, environmental sciences, and biophysical sciences, require general science backgrounds that encompass multiple science disciplines.

Students planning graduate study or technical careers in one of these interdisciplinary areas, as well as students preparing for careers in health sciences, legal professions, science education, science-related business, or social service might be well served by the B.A. in the Natural Sciences.

However, this program of study will not prepare students for graduate study in a traditional science discipline nor will it prepare students for technical employment in a traditional science discipline.

Major Requirements

Bachelor of Arts Major Requirements

Foundation courses 62 s.h., Biology 1011 and 1012, Chemistry 1031/1033 and 1032/1034, C+IN SC 1068, Earth & Environmental Science 1001, Mathematics 1041 and 1042, Physics 1004, 1021 and 1022, SCI TEC 3001 and SCI TEC 4351 along with four science concentration electives. The four electives chosen to satisfy the science concentration must be above the 2000-level and from one of the following departments: Biology, Chemistry, Earth & Environmental Science, or Physics. Further, they must all be taken in the same department, and two of the electives must be writing-intensive.

Writing Intensive Requirement for Major

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Biology 2296*, Biology 3096, Biology 3196, Biology 3396, Chemistry 3196*, Chemistry 4196, Chemistry 4396, Earth & Environmental Science 4096, Earth & Environmental Science 4197, Earth & Environmental Science 4997, Physics 2796* or Physics 4796.

*Pending writing-intensive program approval.

Year 1 - Fall Semester				
Department	Course #	Course Name	Hours	RCI

Chemistry	1031	General Chemistry I and	3	SA
Chemistry	1033	General Chemistry I Laboratory	1	SA
		<i>or</i>		
Chemistry	1041	General Chemical Science I and	3	SA
Chemistry	1043	General Chemical Science I Laboratory	1	SA
		<i>or</i>		
Chemistry	1951	Honors General Chemistry I and	3	SA
Chemistry	1953	Honors General Chemistry I Laboratory	1	SA
Mathematics	1041	Calculus I	4	QB
		<i>or</i>		
Mathematics	1941	Honors Calculus I	4	QB
Subtotal			8	

Year 1 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	1032	General Chemistry II and	3	SB
Chemistry	1034	General Chemistry II Laboratory	1	SB
		<i>or</i>		
Chemistry	1042	General Chemical Science II and	3	SB
Chemistry	1044	General Chemical Science II Laboratory	1	SB
		<i>or</i>		
Chemistry	1952	Honors General Chemistry II and	3	SB
Chemistry	1954	Honors General Chemistry II Laboratory	1	SB
Mathematics	1042	Calculus II	4	
		<i>or</i>		
Mathematics	1942	Honors Calculus II	4	
Subtotal			8	

Year 2 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Biology	1011	General Biology I	4	SA
Earth & Environmental Science	1001	Introduction to Geology	4	SA
Subtotal			8	

Year 2 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	1012	General Biology II	4	SB
C+IN SC	1068	Program Design & Abstraction	4	
Science		Elective**	3-4	WI

Subtotal			11-12	
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Year 3 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Physics	1021	Introduction to General Physics I	4	SA
SCI TEC	3001	History of Science	3	
Science		Elective**	3-4	WI
Subtotal			10-11	

Year 3 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Physics	1004	Introduction to Astronomy	4	SB
Physics	1022	Introduction to General Physics II	4	SB
Subtotal			8	

Year 4 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Science		Elective**	3-4	
Science		Elective**	3-4	
Subtotal			6-8	

Year 4 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
SCI TEC	4351	Paradigms of Scientific Knowledge	3	
Subtotal			3	

**The four science electives chosen to satisfy the science concentration must all be taken in the same department and two of the four electives must be writing-intensive courses. See major requirements above for details.

Credits in Coursework for B.A. in Natural Science	62-66
General Education / Elective Credits	57-61
Total Credits for B.A. Degree	123

Neuroscience - Cellular & Molecular

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The major in Neuroscience - Cellular & Molecular leading to a Bachelor of Science from the College of Science and Technology is designed to provide rigorous preparation in scientific knowledge at the molecular and cellular level to those students interested in pursuing advanced studies and professional development in neuroscience, medicine or a related field in life sciences. In addition to neuroscience, graduates in the major will be well prepared for graduate or professional studies in cell or molecular biology, biochemistry, biophysics, biomedical sciences, medicine, pharmacy, dentistry, and many allied health fields. Neuroscience graduates who do not pursue graduate studies will be prepared to accept technical positions in industry (pharmaceutical, biotech) or government and university laboratories. Graduates will be ready to conduct research on a range of neuroscience and related topics at the level of cells or molecules, including nervous system function, development, disease or injury.

Major Requirements

Bachelor of Science Major Requirements

The following courses are required for the Bachelor of Science degree in Neuroscience: Calculus I, II; General Chemistry I, II with labs; Organic Chemistry I, II with labs; calculus-based physics I, II; Biology 1111, 2112, 2296*, 3096, 3352, 3358, XXXX**, NSI 1051**, and four Neuroscience electives of which two must be within the College of Science & Technology.

Writing Intensive Requirement for Bachelor of Science

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Biology 2296* and 3096.

*Pending writing-intensive course approval.

**Pending final course approval. Contact your academic advisor for more information when applicable.

Year 1 - Fall Semester				
Department	Course #	Course Name	Hours	RCI

Chemistry	1031	General Chemistry I and	3	SA
Chemistry	1033	General Chemistry I Laboratory	1	SA
		<i>or</i>		
Chemistry	1041	General Chemical Science I and	3	SA
Chemistry	1043	General Chemical Science I Laboratory	1	SA
		<i>or</i>		
Chemistry	1951	Honors General Chemistry I and	3	SA
Chemistry	1953	Honors General Chemistry I Laboratory	1	SA
Mathematics	1041	Calculus I	4	QB
		<i>or</i>		
Mathematics	1941	Honors Calculus I	4	QB
NSI**	1051	Fundamentals of Neuroscience	3	
Subtotal			11	

Year 1 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	1111	Introduction to Biology	4	
		<i>or</i>		
Biology	1911	Honors Introduction to Biology	4	SA
Chemistry	1032	General Chemistry II and	3	SB
Chemistry	1034	General Chemistry II Laboratory	1	SB
		<i>or</i>		
Chemistry	1042	General Chemical Science II and	3	SB
Chemistry	1044	General Chemical Science II Laboratory	1	SB
		<i>or</i>		
Chemistry	1952	Honors General Chemistry II and	3	SB
Chemistry	1954	Honors General Chemistry II Laboratory	1	SB
Mathematics	1042	Calculus II	4	
		<i>or</i>		
Mathematics	1942	Honors Calculus II	4	
Subtotal			12	

Year 2 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Biology	2112	Introduction to Biology	4	
		<i>or</i>		
Biology	2912	Honors Introduction to Biology	4	SB

Chemistry	2201	Organic Chemistry I and	3	
Chemistry	2203	Organic Chemistry I Laboratory	1	
		<i>or</i>		
Chemistry	2211	Organic Chemistry for Majors I and	3	
Chemistry	2213	Organic Majors Laboratory I	1	
		<i>or</i>		
Chemistry	2921	Honors Organic Chemistry I and	3	SA
Chemistry	2923	Honors Organic Chemistry I Laboratory	1	SA
Subtotal			8	

Year 2 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	2296*	Genetics	4	WI
Biology	3352	Systems Neuroscience	3	
Chemistry	2202	Organic Chemistry II and	3	
Chemistry	2204	Organic Chemistry II Laboratory	1	
		<i>or</i>		
Chemistry	2212	Organic Chemistry for Majors II and	3	
Chemistry	2214	Organic Majors Laboratory II	1	
		<i>or</i>		
Chemistry	2922	Honors Organic Chemistry II and	3	SB
Chemistry	2924	Honors Organic Chemistry II Laboratory	1	SB
Subtotal			11	

Year 3 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Biology	3096	Cell Structure & Function	4	WI
Neuroscience**		Neuroscience Elective^	3-4	
Physics	2021	General Physics I	4	
Subtotal			11-12	

Year 3 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	3358	Cellular & Molecular Neuroscience	3	
Neuroscience**		Neuroscience Elective^	3-4	
Physics	2022	General Physics II	4	
Subtotal			10-11	

Year 4 - Fall Semester				

Department	Course #	Course Name	Hours	RCI
Biology	XXXX**	Neuroscience Research	3	
		or		
Biology	XXXX**	Neuroscience Independent Study	3	
Neuroscience**		Neuroscience Elective^	3-4	
Subtotal			6-7	

Year 4 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology		Neuroscience Research	3	
		or		
Biology		Neuroscience Independent Study	3	
Neuroscience**		Neuroscience Elective^	3-4	
Subtotal			6-7	

Credits in Coursework for B.S. in Neuroscience	75-79
General Education / Elective Credits	44-48
Total Credits for B.S. Degree	123

*Pending writing-intensive course approval.

**Pending final course approval. Contact your academic advisor for more information when applicable.

^Neuroscience Electives

Department	Course #	Course Name	Hours	RCI
<i>Students are required to take four advanced neuroscience electives from the following list.</i>				
<i>Two of the electives must be within the College of Science & Technology (CST).</i>				
Biology	3312	Biostatistics	3	
Biology	3325	Research Techniques in Molecular Biology	4	
Biology	3333	Advanced Techniques in Microscopy	4	
Biology	3334	Mammalian Physiology	4	
Biology	3354	Neural Basis of Animal Behavior	3	
Biology	3356	Organization & Development of the Nervous System	3	
Biology	XXXX**	Experimental Approaches to Neuroscience	4	
Biology	4375	General Biochemistry I	3	
C+IN SC	XXXX**	Neuroinformatics	3	
C+IN SC	XXXX**	Brain Image Analysis	3	
C+IN SC	1166^^	Mathematical Concepts in Computing I	4	
Communication Sciences & Disorders	3235~	Human Neuroscience	4	

Psychology	2501~	Foundations of Behavioral Neuroscience	3	
Psychology	2502~	Foundations of Cognitive Neuroscience	3	
^^C+IN SC 1166 may be replaced with C+IN SC 1053 or C+IN SC 1066.				
~Non-CST courses.				

Physics

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The Bachelor of Science (B.S.) program serves two purposes. First, it gives strong preparation for those wishing to attend graduate school in physics or related disciplines. Second, the B.S. program is recommended for those who intend to enter the scientific workforce upon completion of a bachelor's degree.

The Bachelor of Arts (B.A.) program is designed for those who are planning for a non-research career in a field which nevertheless has an important science component. Examples include patent law, environmental law enforcement, medicine or sales or management in a high-technology industry.

Major Requirements

Bachelor of Arts Major Requirements

Calculus I, II, III; Calculus-based Physics I, II; and Physics 2101, 2502, 2796^, 3301, 4796 and three physics electives chosen from the approved list; and a two-semester science sequence outside of physics.

Writing Intensive Requirement for Bachelor of Arts

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Physics 2796^ and Physics 4796.

^Pending Writing-Intensive Program Approval.

Year 1 – Fall Semester				
Department	Course #	Course Name	Hours	RCI

Mathematics	1041	Calculus I <i>or</i>	4	QB
Mathematics	1941	Honors Calculus I	4	QB
Physics	1061	Elementary Classical Physics I	4	SA
Subtotal			8	

Year 1 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	1042	Calculus II <i>or</i>	4	
Mathematics	1942	Honors Calculus II	4	
Physics	1062	Elementary Classical Physics II	4	SB
Subtotal			8	

Year 2 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Math	2043	Calculus III	4	
Subtotal			4	

Year 2 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Physics	2502	Mathematical Physics	4	
Physics	2796^	Introduction to Modern Physics	4	WI
Subtotal			8	

Year 3 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Physics	3301	Electricity & Magnetism	4	
Science		Sequenced Science Part 1*	4	
Subtotal			8	

Year 3 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Physics	2101	Classical Mechanics	3	
Science		Sequenced Science Part 2*	4	
Subtotal			7	

Year 4 – Fall Semester				
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Department	Course #	Course Name	Hours	RCI
Physics		Physics Elective**	3	
Physics		Physics Elective**	3	
Subtotal			6	

Year 4 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Physics	4796	Experimental Physics	3	WI
Physics		Physics Elective**	3	
Subtotal			6	

Credits in Coursework for B.A. in Physics	55
General Education / Elective Credits	68
Total Credits for B.A. Degree	123

^Pending Writing-Intensive Program Approval.

***Sequenced Science Options**

Students are required to take a two-semester sequence of laboratory science electives not within physics. The science courses can be chosen from Biology, Chemistry, or Earth & Environmental Science from the following list:

*Science Electives				
Department	Course #	Course Name	Hours	RCI
Biology	1011	General Biology I	4	SA
		and		
Biology	1012	General Biology II	4	SB
		OR		
Biology	1111	Introduction to Biology	4	
		and		
Biology	2112	Introduction to Biology	4	
		OR		
Chemistry	1031 and 1033	General Chemistry I & Lab	4	SA
		and		
Chemistry	1032 and 1034	General Chemistry II & Lab	4	SB
		OR		
Earth & Environmental Science	2001	Physical Geology	4	
		and		
Earth & Environmental Science	2000+ Elective	2000+ Geology Elective	4	

****Physics Electives**

Department	Course #	Course Name	Hours	RCI
<i>Students are required to take three advanced physics electives selected from the following list:</i>				
Physics	0846	Universe As We Know It	3	GS
Physics	2501	Computing for Scientists	3	
Physics	3101	Analytical Mechanics	3	
Physics	3302	Classical Electromagnetism	3	
Physics	3701	Introduction to Quantum Mechanics	3	
Physics	4101	Thermodynamics & Kinetic Theory	3	
Physics	4301	Electronics	3	
Physics	4302	Optics	3	
Physics	4701	Introduction to Solid State Physics	3	
Physics	4702	Introduction to Atomic, Nuclear, & Particle Physics	3	

Bachelor of Science Major Requirements

Calculus I, II, III; Calculus-based Physics I, II; Physics 2101, 2501, 2502, 2796[^], 3101, 3301, 3302, 3701, 4101, 4302, 4796; Math 3041; two required science or mathematics electives. In addition to these, two courses must be chosen from: Physics 4301, 4701, 4702.

Writing Intensive Requirement for Bachelor of Science

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Physics 2796[^] and Physics 4796.

[^]Pending Writing-Intensive Program Approval.

Year 1 – Fall Semester through Year 1- Spring Semester				
Department	Course #	Course Name	Hours	RCI
Identical to B.A. Requirements				

Year 2 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Math	2043	Calculus III	4	
Math	3041	Differential Equations I	3	
Physics	2501	Computing for Scientists	3	
Subtotal			10	

Year 2 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Physics	2101	Classical Mechanics	3	

Physics	2502	Mathematical Physics	4	
Physics	2796^	Introduction to Modern Physics	4	WI
Subtotal			11	

Year 3 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Physics	3101	Analytical Mechanics	3	
Physics	3301	Electricity & Magnetism	4	
Science Elective	Elective	Two courses in biology, chemistry, engineering, Earth & Environmental Science, mathematics, or advanced physics chosen in consultation with an advisor	6-8	
Subtotal			14-16	

Year 3 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Physics	3302	Classical Electromagnetism	3	
Physics	3701	Introduction to Quantum Mechanics	3	
Subtotal			6	

Year 4 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Physics	4101	Thermodynamics & Kinetic Theory	3	
Physics	4301*	Electronics	3	
Physics	4302	Optics	3	
Subtotal			9	

Year 4 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Physics	4701*	Introduction to Solid State Physics		
		(Note: Physics 4701 is offered in even-numbered years.)		
Physics	4702*	Introduction of Atomic, Nuclear, & Particle Physics	3	
		(Note: Physics 4702 is offered in odd-numbered years.)		
Physics	4796	Experimental Physics	3	WI
Subtotal			6	
*Two courses chosen from: Physics 4301, 4701, 4702.				

Credits in Coursework for B.S. in Physics	72-74
General Education / Elective Credits	49-51
Total Credits for B.S. Degree	123

^Pending Writing-Intensive Program Approval.

Interdisciplinary B.S. Degree in Mathematics and Physics

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Dr. Zbigniew Dziembowski, Undergraduate Faculty Advisor, Physics

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Dr. Omar Hijab, Chair, Mathematics

Dr. Boris Datskovsky, Director of Undergraduate Studies, Mathematics

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The interdisciplinary program is jointly administered by the departments of Mathematics and Physics. For further discussion of the Interdisciplinary major requirements, please see [Mathematics and Physics](#) in the undergraduate *Bulletin*.

Minor Requirements

Students wishing to minor in Physics should take 8 semester hours of Calculus-based Physics I, II (Physics 1061-1062 or equivalent), *Electricity and Magnetism* (Physics 3301) or *Introduction to Electromagnetic Fields and Waves* (Electrical Engineering 3712), *Introduction to Modern Physics* (Physics 2701), and 6 additional semester hours of Physics courses at or above the 2000-level, chosen with the approval of the undergraduate Physics advisor.

Minors in Electrical and Mechanical Science

These minors are designed for Physics majors considering graduate work in Electrical or Mechanical Engineering or exploring career opportunities in branches of Engineering close to Physics. The student must maintain a GPA of 2.5 or better in these minors. Students who are interested in Engineering/Applied Physics but do not have time for a full minor should nevertheless review these minors and consult with the physics advisor about the possibility of taking courses in Engineering. Since Physics and Engineering core curricula overlap significantly, a Physics major can often learn an interesting Engineering specialty by taking a relatively modest number of courses.

Requirements for the Electrical Science Minor

Requirements for the Electrical Science Minor are: EE 2312, EE 2322, EE 3512, plus a minimum of 9 semester hours of 2000- and 3000-level electives, chosen in consultation with an advisor in the Electrical Engineering Department. (The EE 2322 lab largely duplicates the labs for Physics 3301 and Physics 4301 and is therefore not required.) The following example elective sequence emphasizes solid state devices and might be of particular interest to a Physics major: EE 2612/2613 and EE 3312/3313.

Requirements for the Mechanical Science Minor

Requirements for the Mechanical Science Minor are: Engineering 2331, Engineering 2333 or 2332, ME 3301 and ME 3305 Lab, plus a minimum of 11 semester hours of 2000- and 3000-level electives, chosen in consultation with an advisor in the Mechanical Engineering Department.

Five-Year Master's Program

Five-Year B.A. or B.S./M.A.

This program allows a talented student to obtain both a bachelor's and a master's degree in five years. A physics major may apply for the program during the junior or senior year. Please consult the advisor for details.

Five-Year Master's/Secondary Education Certification Program

This is a combined program between the College of Science and Technology and the College of Education. For more information, see the following web site:

www.temple.edu/bulletin/Academic_programs/schools_colleges/ed/intro/generalinfo/ed_generalinfo.shtm#teacher

Distinction in Major

A student who wishes to graduate with distinction in the major must complete all courses required for the physics major with a GPA of 3.5 or better, and carry out an independent study or undergraduate thesis project. Consult the undergraduate physics advisor for more details.

TUteach Programs

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Dr. James Byrnes, Program Director
College of Education
Ritter Hall, Room 243
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Dr. Herbert Green, Master Teacher/Faculty Advisor
College of Science and Technology
Barton Hall, Room A306

The Bachelor of Science (B.S.) with Teaching programs are part of Temple's innovative teacher-training program, "TUteach." The B.S. with teaching provides broad training in the chosen discipline, and prepares students for a career in secondary school teaching. Students who complete the B.S. with Teaching meet Pennsylvania teacher certification requirements via theoretical and practical courses in education specifically designed for science and mathematics majors. The education courses in the B.S. with teaching degree program include practice teaching in school district classrooms and emphasize inquiry-based approaches to learning.

Six Bachelors of Science programs enable students to prepare for secondary education certification while mastering the content of their field. The programs are: Biology with Teaching, Chemistry with Teaching, Earth and Space Science with Teaching, General Science with Teaching, Mathematics with Teaching, and Physics with Teaching. The programs require that students complete the collegial Bachelor of Science requirements and a total of 124 credits.

The links below will provide more information with a list of courses required for the particular major.

[Biology with Teaching](#)
[Chemistry with Teaching](#)
[Earth & Space Science with Teaching](#)
[General Science with Teaching](#)
[Mathematics with Teaching](#)
[Physics with Teaching](#)

TUteach - Biology

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B.S. in Biology with Teaching

The B.S. with Teaching program in Biology is part of Temple's innovative teacher-training program, "TUteach." The B.S. with Teaching provides broad training in Biology, and prepares students for a career in secondary school teaching. Students who complete the B.S. with Teaching will meet Pennsylvania teacher certification requirements via theoretical and practical courses in education specifically designed for science and mathematics majors. The education courses in the B.S. with Teaching degree program include practice teaching in school district classrooms and emphasize inquiry-based approaches to learning.

Bachelor of Science Major Requirements

Calculus I, II; General Chemistry I, II with labs; Organic Chemistry I, II with labs; calculus-based General Physics I, II; Biology 1111, 2112, 2203 (or 2296**), 2227, 3096 and three advanced Biology electives 2000 or above; along with SCI TEC 1189, 1289; Education 2179; Math Education or Science Education (Secondary) 2189, 4189, XXXX*, XXXX*, XXXX*, XXXX*; and Philosophy 3XXX*.

Writing Intensive Requirement for Major

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Biology 2296**, Biology 3096, Biology 3196 or Biology 3396.

*Pending final course approval. Contact your academic advisor for more information when applicable.

**Pending writing-intensive program approval.

Year 1 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	1031	General Chemistry I and	3	SA
Chemistry	1033	General Chemistry I Laboratory	1	SA
		or		
Chemistry	1041	General Chemical Science I and	3	SA
Chemistry	1043	General Chemical Science I Laboratory	1	SA
		or		
Chemistry	1951	Honors General Chemistry I and	3	SA
Chemistry	1953	Honors General Chemistry I Laboratory	1	SA
SCI TEC	1189	Step 1: Inquiry Approaches to Teaching	1	
Mathematics	1041	Calculus I	4	QB
		or		
Mathematics	1941	Honors Calculus I	4	QB
Subtotal			9	

Year 1 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	1111	Introduction to Biology	4	
		<i>or</i>		
Biology	1911	Honors Introduction to Biology	4	SA
Chemistry	1032	General Chemistry II and	3	SB
Chemistry	1034	General Chemistry II Laboratory	1	SB
		<i>or</i>		
Chemistry	1042	General Chemical Science II and	3	SB
Chemistry	1044	General Chemical Science II Laboratory	1	SB
		<i>or</i>		
Chemistry	1952	Honors General Chemistry II and	3	SB
Chemistry	1954	Honors General Chemistry II Laboratory	1	SB
SCI TEC	1289	Step 2: Inquiry-Based Lesson Design	1	
Mathematics	1042	Calculus II	4	
		<i>or</i>		
Mathematics	1942	Honors Calculus II	4	
Subtotal			13	

Year 2 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Biology	2112	Introduction to Biology	4	
		<i>or</i>		
Biology	2912	Honors Introduction to Biology	4	SB
Chemistry	2201	Organic Chemistry I and	3	
Chemistry	2203	Organic Chemistry I Laboratory	1	
		<i>or</i>		
Chemistry	2211	Organic Chemistry I for Majors and	3	
Chemistry	2213	Organic Chemistry I Laboratory for Majors	1	
		<i>or</i>		
Chemistry	2921	Honors Organic Chemistry I and	3	
Chemistry	2923	Honors Organic Chemistry I Laboratory	1	
Education	2179	Knowing & Learning in Mathematics & Science	3	
Subtotal			11	

Year 2 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	2296**	Genetics	4	WI

Chemistry	2202	Organic Chemistry II and	3	
Chemistry	2204	Organic Chemistry II Laboratory	1	
		<i>or</i>		
Chemistry	2212	Organic Chemistry for Majors II and	3	
Chemistry	2214	Organic Majors Laboratory II	1	
		<i>or</i>		
Chemistry	2922	Honors Organic Chemistry II and	3	SB
Chemistry	2924	Honors Organic Chemistry II Laboratory	1	SB
Math Education or Science Education (Secondary)	2189	Classroom Interactions	3	
Subtotal			11	

Year 3 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Biology	3096	Cell Structure & Function	4	WI
Philosophy	3XXX*	Perspectives on Science & Mathematics	3	
Physics	2021	General Physics I	4	
Subtotal			11	

Year 3 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	2227	Principles of Ecology	4	
Math Education or Science Education (Secondary)	XXXX*	Language & Literacy in Mathematics & Science	3	
Math Education or Science Education (Secondary)	XXXX*	Research Methods	3	
Physics	2022	General Physics II	4	
Subtotal			14	

Year 4 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Biology	Elective^	Upper Division Biology Elective	3-4	
Biology	Elective^	Upper Division Biology Elective	3-4	
Math Education or Science Education (Secondary)	4189	Project-Based Instruction	3	
Subtotal			9-11	

Year 4 - Spring Semester				
Department	Course #	Course Name	Hours	RCI

Biology	Elective^	Upper Division Biology Elective	3-4	
Math Education or Science Education (Secondary)	XXXX*	Apprentice Teaching	6	
Math Education or Science Education (Secondary)	XXXX*	Apprentice Teaching Seminar	1	
Subtotal			10-11	

*Pending final course approval. Contact your academic advisor for more information when applicable.

**Pending writing-intensive program approval.

^If the student has taken the necessary prerequisite courses, some of the Biology elective courses may be taken before the Fall semester of Year 4. While not required, Biology 3101 (Evolution) is highly recommended as one of three Biology electives.

Credits in Coursework for B.S. in Biology with Teaching	88-90
General Education / Elective Credits	33-35
Total Credits for B.S. Degree	124

TUteach - Chemistry

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B.S. in Chemistry with Teaching

The B.S. with Teaching program in Chemistry is part of Temple's innovative teacher-training program, "TUteach." The B.S. with Teaching provides broad training in Chemistry and prepares students for a career in secondary school teaching. Students who complete the B.S. with Teaching will meet Pennsylvania teacher certification requirements via theoretical and practical courses in education specifically designed for science and mathematics majors. The education courses in the B.S. with Teaching degree program include practice teaching in school district classrooms and emphasize inquiry-based approaches to learning.

Bachelor of Science Major Requirements

Calculus I, II and III; General Chemistry I, II with labs; Organic Chemistry I, II with labs; calculus-based Physics I, II; the following advanced chemistry courses: 3196*, 3105, 3301, 3302, 4001 and a choice of 4196 or 4396; along with SCI TEC 1189, 1289; Education 2179; Math Education or Science Education (Secondary) 2189, 4189, XXXX**, XXXX**, XXXX**, XXXX**; and Philosophy 3XXX**.

Writing Intensive Requirement for Major

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Chemistry 3196*, Chemistry 4196 or Chemistry 4396.

*Pending writing-intensive program approval.

**Pending final course approval. Contact your academic advisor for more information when applicable.

Year 1 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	1031	General Chemistry I and	3	SA
Chemistry	1033	General Chemistry I Laboratory	1	SA
		or		
Chemistry	1041	General Chemical Science I and	3	SA
Chemistry	1043	General Chemical Science I Laboratory	1	SA
		or		
Chemistry	1951	Honors General Chemistry I and	3	SA
Chemistry	1953	Honors General Chemistry I Laboratory	1	SA
SCI TEC	1189	Step 1: Inquiry Approaches to Teaching	1	
Mathematics	1041	Calculus I	4	QB
		or		
Mathematics	1941	Honors Calculus I	4	QB
Subtotal			9	

Year 1 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	1032	General Chemistry II and	3	SB
Chemistry	1034	General Chemistry II Laboratory	1	SB
		<i>or</i>		
Chemistry	1042	General Chemical Science II and	3	SB
Chemistry	1044	General Chemical Science II Laboratory	1	SB
		<i>or</i>		
Chemistry	1952	Honors General Chemistry II and	3	SB
Chemistry	1954	Honors General Chemistry II Laboratory	1	SB
SCI TEC	1289	Step 2: Inquiry-Based Lesson Design	1	
Mathematics	1042	Calculus II	4	
		<i>or</i>		
Mathematics	1942	Honors Calculus II	4	
Subtotal			9	

Year 2 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	2201	Organic Chemistry I and	3	
Chemistry	2203	Organic Chemistry I Laboratory	1	
		<i>or</i>		
Chemistry	2211	Organic Chemistry I for Majors and	3	
Chemistry	2213	Organic Chemistry I Laboratory for Majors	1	
		<i>or</i>		
Chemistry	2921	Honors Organic Chemistry I and	3	
Chemistry	2923	Honors Organic Chemistry I Laboratory	1	
Education	2179	Knowing & Learning in Mathematics & Science	3	
Mathematics	2043	Calculus III	4	
Physics	2021	General Physics I	4	
		<i>or</i>		
Physics	1061	Elementary Classical Physics I	4	SA
Subtotal			15	

Year 2 - Spring Semester				
Department	Course #	Course Name	Hours	RCI

Chemistry	2202	Organic Chemistry II and	3	
Chemistry	2204	Organic Chemistry II Laboratory	1	
		<i>or</i>		
Chemistry	2212	Organic Chemistry II for Majors and	3	
Chemistry	2214	Organic Chemistry II Laboratory for Majors	1	
		<i>or</i>		
Chemistry	2922	Honors Organic Chemistry II and	3	
Chemistry	2924	Honors Organic Chemistry II Laboratory	1	
Math Education or Science Education (Secondary)	2189	Classroom Interactions	3	
Physics	2022	General Physics II	4	
		<i>or</i>		
Physics	1062	Elementary Classical Physics II	4	SB
Subtotal			11	

Year 3 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	3196*	Techniques of Chemical Measurements I	3	WI
Chemistry	3105	Introduction to Chemical Research Techniques	1	
Chemistry	3301	Physical Chemistry Lecture I	3	
Philosophy	3XXX**	Perspectives on Science & Mathematics	3	
Subtotal			10	

Year 3 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	3302	Physical Chemistry Lecture II	3	
Math Education or Science Education (Secondary)	XXXX**	Language & Literacy in Mathematics & Science	3	
Math Education or Science Education (Secondary)	XXXX**	Research Methods	3	
Subtotal			9	

Year 4 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	4001	Inorganic Chemistry	3	
Chemistry	4196	Techniques of Chemical Measurement II	5	WI
		<i>or</i>		
Chemistry	4396	Physical Chemistry Laboratory	4	WI

Math Education or Science Education (Secondary)	4189	Project-Based Instruction	3	
Subtotal			10-11	

Year 4 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Math Education or Science Education (Secondary)	XXXX**	Apprentice Teaching	6	
Math Education or Science Education (Secondary)	XXXX**	Apprentice Teaching Seminar	1	
Subtotal			7	

*Pending writing-intensive program approval.

**Pending final course approval. Contact your academic advisor for more information when applicable.

Credits in Coursework for B.S. in Chemistry with Teaching	80-81
General Education / Elective Credits	43-44
Total Credits for B.S. Degree	124

TUteach - Earth & Space Science

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B.S. in Earth & Space Science with Teaching

The B.S. with Teaching program in Earth & Space Science is part of Temple's innovative teacher-training program, "TUteach." The B.S. with Teaching provides broad training in Earth & Space Science using a combination of traditional lecture, laboratory and field experiences, and prepares students for a career in secondary school teaching. Students who complete the B.S. with Teaching will meet Pennsylvania teacher certification requirements via theoretical and practical courses in education specifically designed for science and mathematics majors. The education courses in the B.S. with Teaching degree program include practice teaching in school district classrooms and emphasize inquiry-based approaches to learning.

Bachelor of Science Major Requirements

General Chemistry I with lab; Calculus I; calculus-based Physics I; Physics 0846; Earth & Environmental Science 2001, Earth & Environmental Science 2011, Earth & Environmental Science 2015, five upper division Earth & Environmental Science electives of which at least two must be writing-intensive; two of the following science foundation electives: Biology 1111, Biology 2112, Chemistry 1032/1034, Chemistry 2201/2203, Math 1042, Math 2031 or Physics 1062; along with SCI TEC 1189, 1289; Education 2179; Math Education or Science Education (Secondary) 2189, 4189, XXXX**, XXXX**, XXXX**, XXXX**; and Philosophy 3XXX**.

Writing Intensive Requirement for Major

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Earth & Environmental Science 4096, Earth & Environmental Science 4197 or Earth & Environmental Science 4997.

**Pending final course approval. Contact your academic advisor for more information when applicable.

Year 1 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
SCI TEC	1189	Step 1: Inquiry Approaches to Teaching	1	
Earth & Environmental Science	2001	Physical Earth & Environmental Science	4	
Mathematics	1041	Calculus I	4	QB
		<i>or</i>		
Mathematics	1941	Honors Calculus I	4	QB
Subtotal			9	

Year 1 - Spring Semester				
Department	Course #	Course Name	Hours	RCI

Chemistry	1031	General Chemistry I and	3	SA
Chemistry	1033	General Chemistry I Laboratory	1	SA
		or		
Chemistry	1041	General Chemical Science I and	3	SA
Chemistry	1043	General Chemical Science I Laboratory	1	SA
		or		
Chemistry	1951	Honors General Chemistry I and	3	SA
Chemistry	1953	Honors General Chemistry I Laboratory	1	SA
SCI TEC	1289	Step 2: Inquiry-Based Lesson Design	1	
Subtotal			5	

Year 2 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Education	2179	Knowing & Learning in Mathematics & Science	3	
Earth & Environmental Science	2011	Mineralogy I	4	
Physics	1061	Elementary Classical Physics I	4	SA
Subtotal			11	

Year 2 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Earth & Environmental Science	2015	Climate Change: Oceans To Atmosphere	4	
Math Education or Science Education (Secondary)	2189	Classroom Interactions	3	
Physics	0846	Universe as We Know It	3	
Science		Science Foundation Elective^	3-4	
Subtotal			13-14	

Year 3 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Earth & Environmental Science	2000+	Earth & Environmental Science Elective*	4	WI
Philosophy	3XXX**	Perspectives on Science & Mathematics	3	
Science		Science Foundation Elective^	4	
Subtotal			11	

Year 3 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Math Education or Science Education (Secondary)	XXXX**	Language & Literacy in Mathematics & Science	3	

Math Education or Science Education (Secondary)	XXXX**	Research Methods	3	
Earth & Environmental Science	2000+	Earth & Environmental Science Elective*	4	WI
Earth & Environmental Science	2000+	Earth & Environmental Science Elective*	4	
Subtotal			14	

Year 4 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Earth & Environmental Science	2000+	Earth & Environmental Science Elective*	4	
Earth & Environmental Science	2000+	Earth & Environmental Science Elective*	4	
Math Education or Science Education (Secondary)	4189	Project-Based Instruction	3	
Subtotal			11	

Year 4 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Math Education or Science Education (Secondary)	XXXX**	Apprentice Teaching	6	
Math Education or Science Education (Secondary)	XXXX**	Apprentice Teaching Seminar	1	
Subtotal			7	

*Earth & Environmental Science electives must be above 2000 and at least two of the Earth & Environmental Science electives must be writing-intensive courses.

**Pending final course approval. Contact your academic advisor for more information when applicable.

Credits in Coursework for B.S. in Earth & Space Science with Teaching	81
General Education / Elective Credits	43
Total Credits for B.S. Degree	124

^Science Foundation Electives

Department	Course #	Course Name	Hours	RCI
Biology	1111	Introduction to Biology	4	
	1911	Honors Introduction to Biology	4	SA

Biology	2112	Introduction to Biology	4	
	2912	<i>or</i> Honors Introduction to Biology	4	SB
Chemistry	1032/1034	General Chemistry II & Lab	4	SB
	1042/1044	<i>or</i> General Chemical Science II & Lab	4	SB
	1952/1954	<i>or</i> Honors General Chemical Science II & Lab	4	SB
Chemistry	2201/2203	Organic Chemistry I & Lab	4	
Mathematics	1042	Calculus II	4	
Mathematics	2031	Probability & Statistics	3	
Physics	1062	Elementary Classical Physics II	4	SB
	2022	<i>or</i> General Physics II	4	

Distinction in Major

To graduate with a Distinction in Major, students are required to achieve a 3.5 GPA for the aggregate of courses required for the B.S. in Earth & Environmental Science with Teaching. Within the aggregate of courses for distinction, Physics 0846 will be included.

TUteach - General Science

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B.S. in General Science with Teaching

The B.S. with Teaching program in General Science is part of Temple's innovative teacher-training program, "TUteach." The B.S. with Teaching provides broad training in the sciences and prepares students for a career in secondary school teaching. Students who complete the B.S. with Teaching will meet Pennsylvania teacher certification requirements via theoretical and practical courses in education specifically designed for science and mathematics majors. The education courses in the B.S. with Teaching degree program include practice teaching in school district classrooms and emphasize inquiry-based approaches to learning.

Bachelor of Science Major Requirements

Biology 1011 and 1012; Chemistry 1031/1033 and 1032/1034; C+IN SC 1068; Earth & Environmental Science 1001 or 2001; Mathematics 1041 and 1042; Physics 1004, 1021 and 1022; SCI TEC 4351 and 4 science concentration electives along with SCI TEC 1189, 1289; Education 2179; Math Education or Science Education (Secondary) 2189, 4189, XXXX*, XXXX*, XXXX*, XXXX*; and Philosophy 3XXX*. The four science electives chosen to satisfy the science concentration must be above the 2000 level from one of the following departments: Biology, Chemistry, Earth & Environmental Science or Physics. Furthermore they must all be taken in the same department.

Writing Intensive Requirement for Major

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Biology 2296**, Biology 3096, Biology 3196, Biology 3396, Chemistry 3196**, Chemistry 4196, Chemistry 4396, Earth & Environmental Science 4096, Earth & Environmental Science 4197, Earth & Environmental Science 4997, Physics 2796** or Physics 4796.

*Pending final course approval. Contact your academic advisor for more information when applicable.

**Pending writing-intensive program approval.

Year 1 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	1031	General Chemistry I and	3	SA
Chemistry	1033	General Chemistry I Laboratory	1	SA
		<i>or</i>		
Chemistry	1041	General Chemical Science I and	3	SA
Chemistry	1043	General Chemical Science I Laboratory	1	SA
		<i>or</i>		
Chemistry	1951	Honors General Chemistry I and	3	SA
Chemistry	1953	Honors General Chemistry I Laboratory	1	SA

SCI TEC	1189	Step 1: Inquiry Approaches to Teaching	1	
Mathematics	1031	Differential & Integral Calculus	4	QB
		<i>or</i>		
Mathematics	1041	Calculus I	4	QB
Subtotal			9	

Year 1 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Chemistry	1032	General Chemistry II and	3	SB
Chemistry	1034	General Chemistry II Laboratory	1	SB
		<i>or</i>		
Chemistry	1042	General Chemical Science II and	3	SB
Chemistry	1044	General Chemical Science II Laboratory	1	SB
		<i>or</i>		
Chemistry	1952	Honors General Chemistry II and	3	SB
Chemistry	1954	Honors General Chemistry II Laboratory	1	SB
SCI TEC	1289	Step 2: Inquiry-Based Lesson Design	1	
Mathematics	1042	Calculus II	4	
		<i>or</i>		
Mathematics	1942	Honors Calculus II	4	
Subtotal			9	

Year 2 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Biology	1011	General Biology I	4	SA
Education	2179	Knowing & Learning in Mathematics & Science	3	
Earth & Environmental Science	1001	Introductory Earth & Environmental Science	4	SA
		<i>or</i>		
Earth & Environmental Science	2001	Physical Earth & Environmental Science	4	
Subtotal			11	

Year 2 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Biology	1012	General Biology II	4	SB
C+IN SC	1068	Program Design & Abstraction	4	
Math Education or Science Education (Secondary)	2189	Classroom Interactions	3	
Science		Elective^	3-4	
Subtotal			14-15	

Year 3 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Philosophy	3XXX*	Perspectives on Science & Mathematics	3	
Physics	1021	Introduction to General Physics I	4	SA
Science		Elective^	3-4	
Subtotal			10-11	

Year 3 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Math Education or Science Education (Secondary)	XXXX*	Language & Literacy in Mathematics & Science	3	
Math Education or Science Education (Secondary)	XXXX*	Research Methods	3	
Physics	1004	Introduction to Astronomy	4	SB
Physics	1022	Introduction to General Physics II	4	SB
Subtotal			14	

Year 4 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Math Education or Science Education (Secondary)	4189	Project-Based Instruction	3	
Science		Elective^	3-4	
Science		Elective^	3-4	
Subtotal			9-11	

Year 4 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
SCI TEC	4351	Paradigms of Knowledge	3	
Math Education or Science Education (Secondary)	XXXX*	Apprentice Teaching	6	
Math Education or Science Education (Secondary)	XXXX*	Apprentice Teaching Seminar	1	
Subtotal			10	

*Pending final course approval. Contact your academic advisor for more information when applicable.

^The four science electives chosen to satisfy the science concentration must all be 2000 or above and taken in the same department. See major requirements above for details.

Credits in Coursework for B.S. in General Science with Teaching	86-90
General Education / Elective Credits	34-38
Total Credits for B.S. Degree	124

TUteach - Mathematics

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B.S. in Mathematics with Teaching

The B.S. with Teaching program in Mathematics is part of TUteach, Temple's innovative teacher-training program. The program provides solid mathematical foundation and pedagogical training necessary for success as a high school mathematics teacher. Students who complete the B.S. with Teaching will meet Pennsylvania teacher certification requirements via theoretical and practical courses in education specifically designed for science and mathematics majors. The education courses in the B.S. with Teaching degree program include practice teaching in school district classrooms and emphasize inquiry-based approaches to learning.

Bachelor of Science Major Requirements

One of the following courses in Computer and Information Sciences: C+IN SC 1053, 1057 or C+IN SC 1068; Math 1041, 1042, 2043, 2101, 3003, 3031, 3039, 3061, 3096, 3137, 3138, 4096 and two math electives 3000+ (Math 2196 can count for one of the Math 3000+, provided it is taken prior to Math 3098 and Math 3141); Physics 1061 and 1062; along with SCI TEC 1189, 1289; Education 2179; Math Education or Science Education (Secondary) 2189, 4189, XXXX**, XXXX**, XXXX**, XXXX**; and Philosophy 3XXX**.

Writing Intensive Requirement for Major

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Math 2196, Math 3096, or Math 4096.

**Pending final course approval. Contact your academic advisor for more information when applicable.

Year 1 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
C+IN SC	1053	Programming in Matlab	4	QB
		<i>or</i>		
C+IN SC	1057	Computer Programming in C	4	QB
		<i>or</i>		
C+IN SC	1068	Program Design & Abstraction	4	
SCI TEC	1189	Step 1: Inquiry Approaches to Teaching	1	
Mathematics	1041	Calculus I	4	QB
		<i>or</i>		
Mathematics	1941	Honors Calculus I	4	QB
Subtotal			9	

Year 1 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	1042	Calculus II	4	
		<i>or</i>		
Mathematics	1942	Honors Calculus II	4	
SCI TEC	1289	Step 2: Inquiry-Based Lesson Design	1	
Physics	1061	Elementary Classical Physics I	4	SA
Subtotal			9	

Year 2 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Education	2179	Knowing & Learning in Mathematics & Science	3	
Mathematics	2043	Calculus III	4	
Mathematics	2101	Linear Algebra	3	
Physics	1062	Elementary Classical Physics II	4	SB
Subtotal			14	

Year 2 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Math Education or Science Education (Secondary)	2189	Classroom Interactions	3	
Mathematics	3003	Theory of Numbers	3	
Mathematics		3000+ Math Elective*	3	
Subtotal			9	
*Math 2196 can count for one of the Math 3000+ electives, provided it is taken prior to Math 3098 and Math 3141.				

Year 3 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	3096	Introduction to Modern Algebra	3	WI
Mathematics	3137	Real & Complex Analysis I	3	
Mathematics	3039	Functions & Modeling	3	
Philosophy	3XXX**	Perspectives on Science & Mathematics	3	
Subtotal			12	

Year 3 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Math Education or Science Education (Secondary)	XXXX**	Language & Literacy in Mathematics & Science	3	
Math Education or Science Education (Secondary)	XXXX**	Research Methods	3	
Mathematics	3031	Introduction to Probability Theory	3	
Mathematics	3138	Real & Complex Analysis II	3	
Mathematics		3000+ Math Elective	3	
Subtotal			15	

Year 4 - Fall Semester				
Department	Course #	Course Name	Hours	RCI
Math Education or Science Education (Secondary)	4189	Project-Based Instruction	3	
Mathematics	3061	Modern Geometry I	3	
Subtotal			6	

Year 4 - Spring Semester				
Department	Course #	Course Name	Hours	RCI
Math Education or Science Education (Secondary)	XXXX**	Apprentice Teaching	6	

Math Education or Science Education (Secondary)	XXXX**	Apprentice Teaching Seminar	1	
Mathematics	4096	Senior Problem Solving	3	WI
Subtotal			10	

**Pending final course approval. Contact your academic advisor for more information when applicable.

Credits in Coursework for B.S. in Mathematics with Teaching	84
General Education / Elective Credits	40
Total Credits for B.S. Degree	124

TUteach - Physics

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B.S. in Physics with Teaching

The B.S. with Teaching program in Physics is part of Temple's innovative teacher-training program, "TUteach." The B.S. with Teaching provides broad training in Physics and prepares students for a career in secondary school teaching. Students who complete the B.S. with Teaching meet Pennsylvania teacher certification requirements via theoretical and practical courses in education specifically designed for science and mathematics majors. The education courses in the B.S. with Teaching degree program include practice teaching in school district classrooms and emphasize inquiry-based approaches to learning.

Bachelor of Science Major Requirements

Calculus I, II, III; Calculus-based Physics I, II; and Physics 2101, 2502, 2796*, 3301, 4796 and three physics electives chosen from the approved list; and a two-semester science sequence outside of physics along with SCI TEC 1189, 1289; Education 2179; Math Education or Science Education (Secondary) 2189, 4189, XXXX**, XXXX**, XXXX**, XXXX**; and Philosophy 3XXX**.

Writing Intensive Requirement for Major

Students must take a minimum of two writing-intensive courses as part of the major. Following is a list of courses that can be used to satisfy the writing-intensive requirement: Earth & Environmental Science 4096, Earth & Environmental Science 4197, Earth & Environmental Science 4997, Physics 2796*, or Physics 4796.

*Pending writing-intensive program approval.

**Pending final course approval. Contact your academic advisor for more information when applicable.

Year 1 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
SCI TEC	1189	Step 1: Inquiry Approaches to Teaching	1	
Mathematics	1041	Calculus I	4	QB
		<i>or</i>		
Mathematics	1941	Honors Calculus I	4	QB
Physics	1061	Elementary Classical Physics I	4	
Subtotal			9	

Year 1 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
SCI TEC	1289	Step 2: Inquiry-Based Lesson Design	1	
Mathematics	1042	Calculus II	4	
		<i>or</i>		
Mathematics	1942	Honors Calculus II	4	
Physics	1062	Elementary Classical Physics II	4	
Subtotal			9	

Year 2 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Education	2179	Knowing & Learning in Mathematics & Science	3	

Math	2043	Calculus III	4	
Subtotal			7	

Year 2 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Math Education or Science Education (Secondary)	2189	Classroom Interactions	3	
Physics	2101	Classical Mechanics	3	
Physics	2502	Mathematical Physics	4	
Physics	2796*	Introduction to Modern Physics	4	WI
Subtotal			14	

Year 3 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Philosophy	3XXX**	Perspectives on Science & Mathematics	3	
Physics	3301	Electricity & Magnetism	4	
Physics		Physics Elective^^	3	
Science		Sequenced Science Part 1^	4	
Subtotal			14	

Year 3 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Math Education or Science Education (Secondary)	XXXX**	Language & Literacy in Mathematics & Science	3	
Math Education or Science Education (Secondary)	XXXX**	Research Methods	3	
Physics	4796	Experimental Physics	3	WI
Science		Sequenced Science Part 2^	4	
Subtotal			13	

Year 4 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Math Education or Science Education (Secondary)	4189	Project-Based Instruction	3	
Physics		Physics Elective^^	3	
Physics		Physics Elective^^	3	
Subtotal			9	

Year 4 – Spring Semester				
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Department	Course #	Course Name	Hours	RCI
Math Education or Science Education (Secondary)	XXXX**	Apprentice Teaching	6	
Math Education or Science Education (Secondary)	XXXX**	Apprentice Teaching Seminar	1	
Subtotal			7	

Credits in Coursework for B.S. in Physics with Teaching	82
General Education / Elective Credits	42
Total Credits for B.S. Degree	124

*Pending writing-intensive program approval.

**Pending final course approval. Contact your academic advisor for more information when applicable.

^Sequenced Science Options

Students are required to take a two-semester sequence of laboratory science electives not within physics. The science courses can be chosen from Biology, Chemistry or Earth & Environmental Science from the following list:

Science Electives				
Department	Course #	Course Name	Hours	RCI
Biology	1011	General Biology I	4	SA
		and		
Biology	1012	General Biology II	4	SB
		OR		
Biology	1111	Introduction to Biology	4	
		and		
Biology	2112	Introduction to Biology	4	
		OR		
Chemistry	1031 & 1033	General Chemistry I and Lab	4	SA
		and		
Chemistry	1032 & 1034	General Chemistry II and Lab	4	SB
		OR		
Earth & Environmental Science	2001	Physical Earth & Environmental Science	4	
		and		
Earth & Environmental Science	2000+ Elective	2000+ Earth & Environmental Science Elective	4	

^^Physics Electives

Physics Electives				
Department	Course #	Course Name	Hours	RCI
<i>Students are required to take three advanced physics electives selected from the following list:</i>				
Physics	0846	Universe As We Know It	3	GS
Physics	2501	Computing for Scientists	3	
Physics	3101	Analytical Mechanics	3	
Physics	3302	Classical Electromagnetism	3	
Physics	3701	Introduction to Quantum Mechanics	3	
Physics	4101	Thermodynamics & Kinetic Theory	3	
Physics	4301	Electronics	3	
Physics	4302	Optics	3	
Physics	4701	Introduction to Solid State Physics	3	
Physics	4702	Introduction to Atomic, Nuclear, & Particle Physics	3	

3 + N Programs

The College of Science and Technology and Temple Professional School Programs (Temple University School of Medicine, Temple University Kornberg School of Dentistry, Temple University School of Podiatry, Temple University School of Pharmacy) agree to cooperate in providing an accelerated 3 + 4 undergraduate/professional school education leading to a Bachelor of Arts degree in the College of Science and Technology and a Doctorate degree from the Professional School. Also, the College of Science and Technology and the Temple University College of Health Professions agree to cooperate in providing an accelerated 3 + 3 undergraduate/graduate education leading to a Bachelor of Arts degree in the College of Science and Technology and a Doctorate of Physical Therapy in the College of Health Professions. The joint programs will each consist of a minimum of 90 semester hours of undergraduate coursework toward completion of a Bachelor of Arts degree in the College of Science and Technology at Temple University and the regular curriculum in the professional program.

Below are the links to more specific details on the agreements with Temple's Professional Schools:

[Temple University School of Medicine](#)
[Temple University Kornberg School of Dentistry](#)
[Temple University School of Podiatry](#)
[Temple University School of Pharmacy](#)
[Temple University Doctorate of Physical Therapy](#)

3 + 4 Dental Program

Students must meet the [admissions requirements](#) for early admission to the Temple University Kornberg School of Dentistry. If you are applying to other dental schools, please use the web to find admissions requirements.

Guidelines for Completion of the Bachelor of Arts Degree in the College of Science & Technology

- Bachelor of Arts candidates in the College of Science and Technology must complete all requirements for the major before entering the School of Dentistry with the exception of the following:

1. Biology majors may count up to three of the following first year School of Dentistry courses as Biology electives:

D277 (*Physiology*) so long as the student has not previously earned credit for Biology 3334; D100 (*Dental Biochemistry and Nutrition*) so long as the student has not previously earned credit for Biology 4375; D101 (*General and Oral Histology*) so long as the student has not previously earned credit for Biology 2235; D202 (*Gross Anatomy*) so long as the student has not previously earned credit for Biology 2233.

2. Chemistry majors may count the following first year School of Dentistry course as a Chemistry elective:

D100 (*Dental Biochemistry and Nutrition*) so long as the student has not previously earned credit for Biology 4375/Chemistry 4401.

- College of Science and Technology students may count up to 33 equivalent credit hours from the first year at the School of Dentistry as equivalents of upper-level credits in the College of Science and Technology or the College of Liberal Arts.
- College of Science and Technology students may count up to 33 equivalent credit hours from the first year at the School of Dentistry to fulfill their general credit hour requirements for the Bachelor of Arts degree in the College of Science and Technology.
- Appropriate course sequences for majors offered by the College of Science and Technology will be available in the Office of Student Services (1810 Liacouras Walk, Suite 203) or Pre-Professional Health Studies (1810 Liacouras Walk, Suite 100) and will be shared with prospective and current students.

3 + 4 Medical

Students must meet the [admissions requirements](#) for early admission to the Temple University School of Medicine. If you are applying to other medical schools, please use the web to find admissions requirements.

Guidelines for Completion of the Bachelor of Arts Degree in the College of Science & Technology

- Bachelor of Arts candidates in the College of Science and Technology (CST) must complete all requirements for the major before entering the School of Medicine with the exception of the following:

Biology majors may count up to three of the following first year Temple University School of Medicine courses as Biology electives:

MS1-Block1 (*Anatomical Structures*) as long as the student has not already gotten credit for Biology 2233 (0233); MS1-Block2 (*Elements of Bioscience*); MS1-Block3 (*Body Systems I - Cardiovascular - Pulmonary - GI - Renal*); MS1-Block5 (*Body Systems III - Neuroscience*) as long as the student has not already gotten credit for Biology 3334 (0334) or Biology 3352 (0352); MS1-Block6 (*Pathology - Pharmacology - Immunology*).

- College of Science and Technology students may count up to 33 equivalent credit hours from the first year at the School of Medicine as equivalents of upper-level credits in CST or the College of Liberal Arts.
- College of Science and Technology students may count up to 33 equivalent credit hours from the first year at the School of Medicine to fulfill their general credit hour requirements for the Bachelor of Arts degree in the College of Science and Technology.
- Appropriate course sequences for majors offered by the College of Science and Technology will be available in the Office of Student Services (1810 Liacouras Walk, Suite 203) or Pre-Professional Health Studies (1810 Liacouras Walk, Suite 100) and will be shared with prospective and current students.

3 + 4 Pharmacy

Students must meet the [admissions requirements](#) for early admission to the Temple University School of Pharmacy. If you are applying to other pharmacy schools, please use the web to find admissions requirements.

Guidelines for Completion of the Bachelor of Arts Degree in the College of Science & Technology

- Bachelor of Arts candidates in the College of Science and Technology must complete all requirements for the major before entering the School of Pharmacy with the exception of the following:

1. Biology majors may count up to three of the following first year Temple University School of Pharmacy courses as Biology electives:

Pharm P158 (*Anti-infective Agents*); Pharm P155 (*Infectious Disease Management*) so long as the student has not previously earned credit for Biology 3317; Pharm P151 (*Medicinal Chemistry*)

I) or Pharm P164 (*Pharmacology I*) so long as the student has not previously earned credit for Biology 4375; Pharm P152 (*Medicinal Chemistry II*) so long as the student has not previously earned credit for Biology 4376.

2. Chemistry majors may count the following first year Temple University School of Pharmacy course as a Chemistry elective:

P151 (*Medicinal Chemistry I*) so long as the student has not previously earned credit for Biology 4375/Chemistry 4401.

- College of Science and Technology students may count up to 33 equivalent credit hours from the first year at the School of Pharmacy as equivalents of upper-level credits in the College of Science and Technology or College of Liberal Arts.
- College of Science and Technology students may count up to 33 equivalent credit hours from the first year at the School of Pharmacy to fulfill their general credit hour requirements for the Bachelor of Arts degree in the College of Science and Technology.
- Appropriate course sequences for majors offered by the College of Science and Technology will be available in the Office of Student Services (1810 Liacouras Walk, Suite 203) or Pre-Professional Health Studies (1810 Liacouras Walk, Suite 100) and will be shared with prospective and current students.

3 + 3 Physical Therapy

Students must meet the [admissions requirements](#) for early admission to Temple University's College of Health Professions Doctorate of Physical Therapy program. If you are applying to other physical therapy programs, please use the web to find admissions requirements.

Guidelines for the Completion of the Bachelor of Arts Degree from the College of Science & Technology

- Bachelor of Arts candidates in the College of Science and Technology (CST) must complete all requirements for their major before entering the Doctor of Physical Therapy (DPT) Program in the College of Health Professions (CHP) with the exception of the following:

Biology majors may count one of the following first year DPT Program courses as one of their three required Biology electives:

DPT8521 (*Neuroscience*), DPT8522 (*Rehabilitative Pathophysiology*), and DPT8523 (*Movement Science II*).

- CST students may count up to 33 equivalent credit hours from the first year at the DPT Program in the CHP as equivalents of upper-level credits in CST or College of Liberal Arts.

- CST students may count up to 33 equivalent credit hours from the first year at the DPT Program in the CHP to fulfill their general credit hour requirements for the B.A. degree in the CST.
- Appropriate course sequences for majors offered by the College of Science and Technology will be available in the Office of Student Services (1810 Liacouras Walk, Suite 203) or Pre-Professional Health Studies (1810 Liacouras Walk, Suite 100) and will be shared with prospective and current students.

3 + 4 Podiatry

Students must meet the [admissions requirements](#) for early admission to the Temple University School of Podiatric Medicine. If you are applying to other podiatry schools, please use the web to find admissions requirements.

Guidelines for Completion of the Bachelor of Arts Degree in the College of Science & Technology

- Bachelor of Arts candidates in the College of Science and Technology (CST) must complete all requirements for the degree program before entering the School of Podiatric Medicine with the exception of the following:
 1. Biology majors may use up to three of the following first year School of Podiatry courses as replacements for Biology electives:
 P100 (*Histology*) as long as the student has not already gotten credit for Biology 2235 (0235); P102 (*General Anatomy*) as long as the student has not already gotten credit for Biology 2233 (0233); P104 (*Neuroscience*) as long as the student has not already gotten credit for Biology 3352 (0352) or Biology 3358; P110 (*Biochemistry*) as long as the student has not already gotten credit for Biology 4375 (0375); P111 (*Physiology*) as long as the student has not already gotten credit for Biology 3334 (0334).
 2. Chemistry majors may use up to one of the following first year School of Podiatry courses as replacements for Chemistry electives:
 P110 (*Biochemistry*) as long as the student has not already gotten credit for Biology 4375 (0375) or Chemistry 4401 (0371).

- College of Science and Technology students may count up to 33 equivalent credit hours from the first year at the School of Podiatric Medicine as equivalents of upper-level credits in CST or the College of Liberal Arts.
- College of Science and Technology students may count up to 33 equivalent credit hours from the first year at the School of Podiatric Medicine to fulfill their general credit hour requirements for the Bachelor of Arts degree in the College of Science and Technology.
- Appropriate course sequences for majors offered by the College of Science and Technology will be available in the Office of Student Services (1810 Liacouras Walk, Suite 203) or Pre-

Professional Health Studies (1810 Liacouras Walk, Suite 100) and will be shared with prospective and current students.

SCHOOL OF SOCIAL ADMINISTRATION

Founded 1969

Linda Mauro, Interim Dean
553 Ritter Hall Annex
1301 W. Cecil B. Moore Avenue
215-204-8623
www.temple.edu/socialwork

Mission and Goals

The school was established in 1969 to prepare individuals for professional practice and for positions of leadership in social work and in the broader human services arena. The distinctive mission of the school, rooted in humanistic and democratic values, is reflected in a broad and vigorous commitment to the elimination of human suffering and social injustice and to the promotion of human rights and social equality. Its educational programs are therefore centered on intervention strategies on behalf of those populations and persons who are underserved, victimized, or denied full access to social opportunities and resources. Poverty, racism, sexism, homophobia and other forms of discrimination and disenfranchisement are priority concerns of the school, as are those social problems associated with life in the inner city.

The School of Social Administration (SSA) is dedicated to societal transformations to eliminate social, political, and economic injustices for poor and oppressed populations, and advance the quality of life for all through:

- Education emphasizing the discovery of knowledge and the use of critical inquiry and professional ethics to guide solution-seeking and action-taking to effect social change among professional social workers in front-line, supervisory, managerial, and leadership positions.
- Research and scholarship to advance applied knowledge and generate evidence-based strategies to resolve problems occurring between people and their social environments at local, state, national, and global levels.
- Public service to aid the dissemination of knowledge and evidence-based strategies, and the responsiveness of the school to the needs of constituents through collaborations and partnerships with communities, agencies, and organizations.

B.S.W. Program Objectives

At the completion of the B.S.W. curriculum, students will demonstrate the ability to:

1. Apply strategies of social change and advocacy that help advance social, political, and economic justice.
2. Use critical inquiry and scientific research methods, both qualitative and quantitative, to evaluate and advance one's own social work practice and that of the profession.
3. Understand and work to eliminate the forms and mechanisms of oppression and discrimination at all system levels.
4. Practice with knowledge, skills, and respect with regard to age, class, color, culture, ethnicity, family structure, gender, language, marital status, national origin, physical and/or mental disabilities, race, religion, sex, and sexual orientation.
5. Understand and adhere to the values, ethical standards and principles of the social work profession.
6. Use knowledge of the social work profession's history, concerns, and societal contributions to inform contemporary issues in practice.
7. Practice with the skills and knowledge base of a culturally competent generalist social work practitioner at all system levels.
8. Demonstrate professional use of self in their practice with effective communication skills, self-awareness, inclusion of supervision and consultation, and the creation of positive change within organizations and service delivery systems.
9. Understand, analyze, influence, and formulate social policies.
10. Critically apply theoretical frameworks, supported by empirical evidence, that offer insight into the development and behavior of individuals over the life span and the interactions among individuals, families, groups, organizations, and communities.

Accreditation

The Bachelor of Social Work and the Master of Social Work programs are accredited by the Council on Social Work Education. This attests to the educational quality of the curricula and to the qualifications of graduates to assume professional positions that legally require applicants to have these degrees.

Honors/Honor Society

Dean's List - Academic achievement is recognized and valued by the school and the university. In this regard, the school follows the GPA recognized by the university. Dean's List is achieved each semester that a full-time student (12-17 semester hours) earns both a 3.50 semester average and a 3.50 cumulative average. Notation appears on the student's transcript.

Alpha Delta Mu National Social Work Honor Society - Students with a cumulative GPA of 3.50 or above may apply for nomination to Alpha Delta Mu. Juniors and seniors are eligible for membership. Students should discuss this with their advisors.

Student Groups

Students at Temple University's School of Social Administration are part of a diverse community. The school offers an opportunity to be in class with diverse students who have had different life experiences and who represent varied points of view. In addition to classroom learning, SSA offers a number of ways in which students can come together as a community. The main student organization at SSA is the SSA Student Collective.

The student collective is the organization of both undergraduate and graduate students matriculated in the SSA Program. The Student collective sponsors activities each academic year of a social, educational, and professional nature. Student representatives, selected by the collective, sit on various school committees as voting members. The collective was formed to represent a unified student voice that incorporates all the diversity of the student body. For additional information, contact the director of Admissions and Student Services or see the bulletin board in the lobby on the fifth floor of Ritter Hall Annex.

In addition to the student collective, students can choose to participate in a range of other social work organizations at SSA. The activity level of many groups varies from year to year since their existence is dependent on students stepping forward and organizing meetings and events.

Groups that are consistently active include:

National Social Work Honor Society (Beta Rho Chapter, Alpha Delta Mu)

The purpose of this organization is to advance excellence in social work practice and to encourage, stimulate and maintain scholarship of the individual members in all fields, particularly in social work. For current activities, see the bulletin board in the lobby on the fifth floor of Ritter Hall Annex.

Alumni Association

For more information about SSA's alumni association, contact the General Alumni Association for names and numbers of current officers at 215-204-7524.

National Association of Social Workers-Philadelphia Division (NASW)

NASW is a professional organization that works on behalf of its members and the consumers they serve. Applications are available on the NASW bulletin board in the lobby on the fifth floor of Ritter Hall Annex.

If you are interested in contributing your time, energy and ideas to any of the following groups that have added, over the years, to the rich diversity of activities at SSA, please contact the director of Admissions and Student Services.

Latino Social Work Organization (LSWO)

LSWO was founded in 1992 by a group of young social workers in Chicago. Temple students involved in LSWO have advocated for quality bilingual/bicultural services to Latinos and other oppressed communities.

Student Association of Black Social Workers (SABSW)

SABSW is a non-profit organization created to serve African-American students and the community. The SABSW works towards unifying black Social Work students in the School of Social Administration. The SABSW will also work with any student organization on campus or the immediate community to further the educational, political, academic, communal, and social plight of students at large.

Pride in Social Work (PSW)

PSW provides support, education, and advocacy for gay, lesbian, bi-sexual and transgendered students and their supporters. For additional information on Pride in Social Work at Temple University, contact Professor Bernie Newman at 215-204-1205.

Underground Railroad – Temple Depot (URR)

The URR works together with the Poor People's Economic Human Rights Campaign focusing on direct actions, such as lobbying, advocacy, demonstrations, and support of grass-roots movements for social justice.

Special Facilities

Job Resources Bank

In addition to the help provided by the Office of Career Development Services, the School of Social Administration maintains its own Job Resources Bank geared specifically to the needs and career interests of social workers. Information about employment opportunities is regularly collected, updated, and posted in the lobby on the fifth floor of Ritter Hall Annex. SSA also organizes an annual jobs fair with a wide range of agencies attending. The school's liaison in Career Services meets frequently with students to provide career information as well as specific leads on employment. The Office of Career Services plans and conducts special workshops and seminars specifically oriented to students in Social Administration.

Academic Advising

Office of Admissions and Student Services
Ritter Annex 521
215-204-8623

Academic professionals serve as academic advisors to social work majors. Early and regular contact with the advisor can be extremely helpful. The advisor is a knowledgeable person with whom students may discuss issues of concern in relation to university regulations, as well as course selection. At SSA, advising services are provided through the Office of Admissions and Student Services.

Academic advisors are particularly important for social work majors. The Bachelor of Social Work (B.S.W.) curriculum is organized so that courses scheduled to be taken later in the program assume, and build on, the knowledge and skill foundation provided in the liberal arts and social work courses taken earlier. For this reason, most social work courses designate successful completion (with a C- or better) of earlier courses as prerequisite to taking later courses. Additionally, SSA requires that three of the social work courses required in each semester of the senior year -- research, the seminar in social work practice, and the field practicum -- be taken concurrently. This program of study for B.S.W. students has been carefully designed and approved by faculty. It is intended to provide students with a coherent, integrated, and high quality learning experience. Advisors can be especially helpful in suggesting the best ways to complete the program of study.

Although students must assume primary responsibility for knowing the requirements for their degree and for acquiring information about their academic status, student advisors can help students if they have any questions. Academic advisors attempt to avoid errors when advising students about their program requirements, but schools and colleges cannot assume liability for errors in advising.

Transfer Students from Schools Outside of Temple

Persons expecting to transfer to Temple's Undergraduate Social Work Program are urged to contact the School at 215-204-8623 for an appointment as soon as they have identified interest in this program. (See [Undergraduate Admissions regarding transfer admissions](#).) Those who transfer more than 30 semester hours will begin their coursework with Social Work 2003: *The History and Values of Social Welfare*, and 3005: *Helping Processes in Social Work I*. Although 2003 and 2004 are also offered in the summer, 3005 is usually only offered during the Fall semester and 3006 during the Spring semester.

Students are expected to be majors in the program a minimum of two years and a summer.

Students who transfer from two-year associate degree programs in Human Services are expected to complete all professional courses as well as the Temple University courses required by the School of Social Administration.

Policies & Regulations

Please see the [Undergraduate Academic Policies](#). Students are responsible for complying with all university-wide academic policies that apply to their individual academic status. Additional and unique policies, or exceptions for the School of Social Administration, appear below.

It is expected that students will meet regularly with their advisors so that the course selection process affords the student appropriate choices and options.

Program Performance

Social work majors are expected to maintain a cumulative GPA of 2.00 or above. Students are expected to maintain grades of C- or above in each of the professional and professionally-related courses. Students who obtain a D+ or below in one of the courses in the social work major must repeat the course.

Collegial Warning will be issued to students whose GPA falls below 2.00 for one semester. Students should not register for more than 12 s.h. until they improve their average.

Collegial Probation: Students who fall below a 2.00 either for the semester or for their cumulative average will be placed on probation. They may register for no more than 12 s.h. for the next term in order to improve their average. If their average is still below a 2.00 after two semesters of academic probation, students are subject to being dropped from the Social Work Program in the School of Social Administration.

Dropped from the Program: If the student does not achieve a cumulative average of 2.00 or show evidence of substantive scholastic improvement after two semesters on collegial probation and a 12 s.h. roster, the student is subject to being dropped from the School of Social Administration.

Readmission Application

To re-enter the School of Social Administration, students must submit an appropriate application to the Director of Admissions and Student Services. Applications of students seeking readmission after an absence of more than two semesters, not including summers, will be reviewed by the Director of the B.S.W. program. If the student is accepted for readmission, his or her program for completion of degree requirements will be planned in accordance with those currently operative in the program. If courses were taken elsewhere, applicants are responsible for having official transcripts available when submitting the readmission application.

Applicants who wish to enroll in a school or college other than the one in which they were last enrolled must first be accepted for readmission by the original college and then file an Intra-University Transfer form.

A student who has been dropped from the School of Social Administration may petition for readmission only after a period of at least one semester. This period does not include the summer sessions.

Transfer from Schools within the University

Students who are in good standing in the university may transfer to the School of Social Administration at any point during their academic career. Before transferring, students are encouraged to arrange to have conferences with both the original school advisor and the social work admissions counselor.

Because of the professional requirements and the sequential nature of the curriculum, students are encouraged to enter the program as early as possible. Students are expected to be majors in the social work program for a minimum of two years.

General Graduation Requirements

In order to receive a Bachelor of Social Work degree, a student must complete: a minimum of 120 semester hours, the required University Curriculum, and the School of Social Administration curriculum. A potential graduate must also hold a cumulative GPA of 2.00 or better, and meet any additional requirements, such as the Exit Interview.

Important Student Contact Information

Gradette Willis, MSW
Director of Admissions and Student Services
School of Social Administration
Ritter Annex 521
215-204-8623

Administrators and Faculty

Administrative Officers

Linda Mauro, Interim Dean, D.S.W., University of Pennsylvania
Bernie Newman, Department Chair, Ph.D., University of Pittsburgh
Cheryl Hyde, Associate Dean for Professional Education and Director of Field Education, Ph.D., University of Michigan
Link Martin, Assistant Dean and Director of the Harrisburg Program, M.S.W., University of Hawaii
Rosalie Schofield, Director, B.S.W. Program, Ph.D., Brandeis University
Maria Chaney, Executive Administrator

Social Administration Faculty and Professional Staff

Professor

Ron Costen, Ph.D., University of Pittsburgh (T/I)
Jay S. Fagan, D.S.W., Columbia University
Larry Icard, Ph.D., Columbia University
Thad Mathis, Ph.D., Temple University
Linda M. Mauro, D.S.W., University of Pennsylvania
Edward Newman, Ph.D., Brandeis University

Associate Professor

Israel Colon, Ph.D., Brandeis University
Marsha Z. Crawford, D.S.W., Howard University
Claudia Dewane, Ed.D., Pennsylvania State University (T/I)
Cheryl Hyde, Ph.D., University of Michigan
Lois Millner, Ph.D., Bryn Mawr College
Bernie S. Newman, Ph.D., University of Pittsburgh
Emeka Nwadiora, D.S.W., Howard University, Ph.D., Temple University
Rosalie Schofield, Ph.D., Brandeis University (T/I)
Mark Schmitz, Ph.D., University of Iowa (T/I)
David Zanis, Ph.D., University of Pennsylvania

Assistant Professor

Cynthia Conley, Ph.D. University of Kentucky
Karin Eyrich, Ph.D., Washington University in Saint Louis
Cheri C. Johnson, Ph.D., University of Delaware (T/I)
Yookyong Lee, Ph.D., Columbia University
Barry Nazar, D.P.A., Nova Southeastern University (T/I)
Scott Edward Rutledge, Ph.D., University of Washington
Jonathan Singer, Ph.D. Cand., University of Pittsburgh

Instructor

Ron Hollm, M.S.W., Marywood University (T/I)
Joseph Kumi, M.S.W., Florida State University (T/I)
Alan Pfeffer, M.S.W., Temple University (T/I)
Donna Wang, M.S.W., Temple University (T/I)

Field Education Office

Cheryl Hyde, Ph.D., University of Michigan
Virginia Bruner, M.S.W., Temple University

Valarie Clemmons, M.S.W., Temple University
Craig Cohen, Ph.D., Yeshiva University
Paul L. Dannenfelser, M.S.S.W., Columbia University
Lynn Notestine, M.S.W., University of Pittsburgh
Gloria M. Zucker, M.S.W., University of Michigan

Office of Admissions and Student Services

Gradette Willis, M.S.W., Director
Valerie Johnson-Roberts, A.A.S., Pierce College
Delores Randolph, M.S.W., Temple University
Michele White, M.S.W., Temple University
Ginger Nicholson, Administrative Assistant

Bachelor of Social Work (B.S.W.)

Temple University School of Social Administration
Office of Dean
Ritter Annex Fifth Floor
215-204-8623

Mission Statement

The School of Social Administration (SSA) is dedicated to societal transformations to eliminate social, political, and economic injustices for poor and oppressed populations, and advance the quality of life for all through:

- Education emphasizing the discovery of knowledge, use of critical inquiry and professional ethics to guide solution-seeking and action-taking to effect social change among professional social workers in front-line, supervisory, managerial, and other leadership positions.
- Research and scholarship to advance applied knowledge and generate evidence-based strategies to resolve problems occurring between people and their social environments at local, state, national, and global levels.
- Public service that aids the dissemination of knowledge and evidence-based strategies through collaborations and partnerships with communities, agencies, and organizations.

Goals

The goals of the School of Social Administration are:

1. preparation of ethical and competent social work practitioners and leaders who are committed to social and economic justice and to the eradication of barriers to the fullest development of human potential;
2. provision of educational opportunities to a diverse population of students representative of the constituencies served;
3. production of scholarship and research that contributes to the social work knowledge base;

4. engagement in service-related activities with relevant constituencies.

B.S.W. Curricular Objectives

By completion of their undergraduate studies, students will be able to:

- apply skills and knowledge of generalist social work practice with systems of all sizes;
- understand human behavior from holistic and developmental perspectives that encompass dynamic interaction among social, political, cultural, economic, psychological, spiritual, and biological factors;
- critically select and apply theories and research findings to social work practice;
- understand and adhere to professional social work values and ethics;
- assess situations using knowledge about the effects of structural injustices based on race, class, gender, culture, sexual orientation, ability, age, and other forms of oppression;
- exercise self-awareness and reflection as part of the development of their professional and personal selves;
- engage in practice that enhances the capabilities of people to transform their lives and communities;
- communicate effectively verbally, non-verbally and in writing with agencies, advocates, legislatures, policy makers and people in client status;
- practice social work with a commitment to social and economic justice and the empowerment of individuals, families, groups, organizations, and communities;
- evaluate the effectiveness of their own practice;
- understand the relationship of historic social patterns, values and institutional arrangement, recognizing their impact on social welfare policy and services and the social work profession;
- use supervision and consultation to enhance their professional development and the delivery of services;
- understand the dynamics of human service organizations and know how to engage in productive organizational change;
- understand how global issues affect local practice.

The B.S.W. Curriculum

The B.S.W. curriculum is organized so that courses scheduled to be taken later in the program assume, and build on, the knowledge and skill foundation provided in the liberal arts and social work courses taken earlier. For this reason, most social work courses designate successful completion (with a C- or better) of earlier courses as prerequisite to taking later courses. Additionally, SSA requires that three of the social work courses required in each semester of the senior year -- research, the seminar in social work practice, and the field practicum -- be taken concurrently. This program of study for B.S.W. students has been carefully designed and approved by faculty. It is intended to provide students with a coherent, integrated, and high quality learning experience.

Requirements for the Degree of Bachelor of Social Work (B.S.W.)

School of Social Administration Requirement

- Satisfactory completion of a minimum of 120 semester hours of credit.
- A minimum cumulative GPA of 2.00 overall and in the major.
- A grade of "C-" or higher is required in all Core courses. A grade of "C-" or better is required in courses for the major.

University Requirement

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

B.S.W. Program of Study for New Freshmen Starting in Academic Year 2008-2009

1. GenEd requirements (35-36 s.h.)
2. Six university courses (18-19 s.h.) required by the School of Social Administration: Psychology 1061 (*Psychology as a Social Science*); Sociology 1176 (*Introduction to Sociology*); Kinesiology 1225 (*General Human Anatomy & Physiology* for SSA students) or Biology 1001 (*Human Biology*); Economics 1001 (*Introduction to the Economy*); Political Science 1101 (*The American Political System*); Sociology 1167 (*Social Statistics*).
3. Electives (11-15 s.h.)
4. Professional courses in Social Work (56 s.h.)
5. Field Work Practice: A minimum of 400 hours in supervised field settings is required. Students are overseen by an M.S.W. (or B.S.W. with at least two years of experience). They are directly involved in professional tasks in the agency and in the community. This component of the educational program of study facilitates the integration of classroom learning particularly in the social work subject areas of human behavior, policy, practice, and research. Students apply what they are learning and receive feedback from both classroom and field instructors on their work. (10 s.h. included in the 56 s.h. of professional social work courses specified above.)

Some of the fields of practice in the five-county area in which majors do their field work are:

- **Aging:** including adult service centers; assistance in a variety of public and private organizations, treatment and protective functions;
- **Children and Youth:** child abuse, foster care and adoption agencies, parenting and support services;

- **Community Organization/Planning:** public issues and policies, neighborhood services at settlements, Y's, community centers;
- **Correctional/Justice:** probation, parole, prison, community rehabilitation organizations;
- **Developmental Disabilities:** community living arrangements, day programs, other public and private functions;
- **Education:** schools and alternative education programs;
- **Family Services:** material aid, crisis intervention, ongoing counseling;
- **Health/Hospitals:** advising, counseling, direct service with and on behalf of patients; a variety of functions in hospitals and community health centers;
- **Legal:** public agencies assisting low income population in matters relating to law, housing, discrimination, etc.;
- **Mental Health:** small and large institutions, community-based units, public and private auspices;
- **Substance Abuse:** counseling, direct service in a variety of settings, both public and private;
- **Violence and Domestic Issues:** domestic violence of all kinds, sexual assault, child abuse, in a wide variety of settings.

Year 1 - FALL				
Department	Course #	Course Name	Hours	RCI
Social Work	1001	Introduction to Social Welfare & Human Services	3	
English	0802	Analytical Reading & Writing	4	GW
GenEd	08xx	Arts	3-4	GA
GenEd	08xx	Race & Diversity	3	GD
Subtotal			13-14	

Year 1 - SPRING				
Department	Course #	Course Name	Hours	RCI
Social Work	1002	Communication in Social Work Practice	3	
GenEd	08xx	Quantitative Literacy	4	GQ
Sociology	1176	Introduction to Sociology	3	
GenEd	08xx	World Society	3	GG
Subtotal			13	

Year 2 - FALL				
Department	Course #	Course Name	Hours	RCI
Social Work	2003	The History & Values of Social Welfare	3	
Psychology	1061	Psychology as a Social Science	3	
IH	0851	Mosaic: Humanities Seminar I	3	GY
GenEd	08xx	Science & Technology	3	GS
GenEd	08xx	U.S. Society	3	GU
Subtotal			15	

Year 2 - SPRING				
Department	Course #	Course Name	Hours	RCI
Social Work	2004	Social Welfare in the United States	3	
GenEd	08xx	Human Behavior	3	GB
GenEd	08xx	Science & Technology	3	GS
IH	0852	Mosaic: Humanities Seminar II	3	GZ
Kinesiology <i>or</i> Biology	1225 1001	General Human Anatomy & Physiology <i>or</i> Human Biology	3 4	
Subtotal			15-16	

Year 3 - FALL				
Department	Course #	Course Name	Hours	RCI
Social Work	3005	Helping Processes in Social Work I	4	
Social Work	3007	Human Behavior in the Social Environment	3	
Social Work	3011	The Social Worker in the Group	3	
Political Science	1101	The American Political System	3	
		General Elective	3	
Subtotal			16	

Year 3 - SPRING				
Department	Course #	Course Name	Hours	RCI
Social Work	3006	Helping Processes in Social Work II	4	
Social Work	3008	Institutional Racism	3	
Sociology	1167	Social Statistics	3	
Economics	1001	Introduction to the Economy	3	
		General Elective	3	
Subtotal			16	

Year 4 - FALL				
Department	Course #	Course Name	Hours	RCI
Social Work	3009	Patterns of Social Service Delivery	3	
Social Work	4001	Seminar in Social Work Practice	3	
Social Work	4187	Practicum (16 hour/week field practicum requirement)	5	
Social Work	4396	Introduction to Social Research	3	WI
		General Elective	3	
Subtotal			17	

Year 4 - SPRING				
Department	Course #	Course Name	Hours	RCI
Social Work	4002	Seminar in Social Work Practice	3	
Social Work	4287	Practicum (16 hour/week field practicum requirement)	5	
Social Work	4397	Evaluating Programs & Practice in Social Work	3	WI*
Social Work		Social Work Elective (see B.S.W. Handbook for suggestions)	3	
		General Elective (if credits are needed to graduate)	3	
Subtotal			14-17	

* pending writing-intensive approval

B.S.W. Program of Study for Continuing or New Transfer Students Starting in Academic Year 2008-2009 (124 credits)

University Core Curriculum requirements (18 s.h.), Math 0823 or 0824, English 0802, Intellectual Heritage 0851 and 0852, Arts, Foreign language or International Studies.

1. Completion of the Library Orientation, now called the Temple Information Literacy Tutorial ([TILT](#)).
2. Major requirements.
3. Lower-level courses (34 s.h.): Specified Core courses, plus: Economics 1001, 1101, 1102, or 1103; History 1102 or African American Studies 1268; Anthropology/GUS/Sociology 0867; Biology 1001 or Kinesiology 1223; Political Science 1101; Psychology 1061; Sociology 1176; Statistics 2101 or Math 1013 or Sociology 1167 or Psychology 1167.
4. Upper-level courses: Political Science (2000+), Socio-Behavioral (2000+). At least one course should be writing-intensive.
5. Courses in Social Work (59 s.h.).
6. Electives (approximately 13 s.h.).
7. Field Work Practice: A minimum of 400 hours in supervised field settings is required. Students are overseen by an M.S.W. (or B.S.W. with at least two years of experience). They are directly involved in professional tasks in the agency and in the community. This component of the educational program of study facilitates the integration of classroom learning particularly in the social work subject areas of human behavior, policy, practice, and research. Students apply what they are learning and receive feedback from both classroom and field instructors on their work.

Some of the fields of practice in the five-county area in which majors do their field work are:

- **Aging:** including adult service centers; assistance in a variety of public and private organizations, treatment and protective functions;
- **Children and Youth:** child abuse, foster care and adoption agencies, parenting and support services;
- **Community Organization/Planning:** public issues and policies, neighborhood services at settlements, Y's, community centers;

- **Correctional/Justice:** probation, parole, prison, community rehabilitation organizations;
- **Developmental Disabilities:** community living arrangements, day programs, other public and private functions;
- **Education:** schools and alternative education programs;
- **Family Services:** material aid, crisis intervention, ongoing counseling;
- **Health/Hospitals:** advising, counseling, direct service with and on behalf of patients; a variety of functions in hospitals and community health centers;
- **Legal:** public agencies assisting low income population in matters relating to law, housing, discrimination, etc.;
- **Mental Health:** small and large institutions, community-based units, public and private auspices;
- **Substance Abuse:** counseling, direct service in a variety of settings, both public and private;
- **Violence and Domestic Issues:** domestic violence of all kinds, sexual assault, child abuse, in a wide variety of settings.

Year 1 - FALL				
Department	Course #	Course Name	Hours	RCI
Social Work	1001	Introduction to Social Welfare & Human Services	3	
English	0802	Analytical Reading & Writing	3	CO/GW
African American Studies	1268	African American History Since 1900	3	AC
		<i>or</i>		
History	1102	History of the U.S. Since 1877	3	AC
		<i>or</i>		
Math	0823	Mathematical Patterns	3	QA/GQ
		<i>or</i>		
	0824	Math for a Digital World	3	QA/GQ
Sociology	1176	Introduction to Sociology	3	IN
Subtotal			15	

Year 1 - SPRING				
Department	Course #	Course Name	Hours	RCI
Core	Elective	International Studies/Foreign Language	3	IS
Psychology	1061	Psychology as a Social Science	3	IN
Kinesiology	1225	General Human Anatomy & Physiology	3	SA
<i>or</i>		<i>or</i>		
Biology	1001	Human Biology	4	
Political Science	1101	The American Political System	3	AC
Social Work	1002	Communication in Social Work Practice	3	
Subtotal			15-16	

Year 2 - FALL				
Department	Course #	Course Name	Hours	RCI

Social Work	3005	Helping Processes in Social Work I (6 hour/week field practicum requirement)	4	
ANTHRO/GUS/SOC	0867	World Regions & Cultures	3	IS/GG
Social Work	3007	Human Behavior in the Social Environment	3	IN
IH	0851	Mosaic: Humanities Seminar I	3	IA/GY
Required Elective		Elective or Certificate Course	3	
Core	Core	Library Orientation (TILT)	0	
Subtotal			16	

Year 2 - SPRING				
Department	Course #	Course Name	Hours	RCI
Social Work	3006	Helping Processes in Social Work II (6 hour/week field practicum requirement)	4	
Social Work	3011	Social Worker in the Group	3	
Core	Elective	Arts	3	AR
IH	0852	Mosaic: Humanities Seminar II	3	IB/GZ
<i>Select one of the following:</i>			3	
Sociology	1167	Social Statistics		QB
Psychology	1167	Foundations in Statistical Methods		QB
Math	1013	Elements of Statistics		QB
Statistics	2101	Statistical Methods & Concepts		QB
Subtotal			16	

Year 3 - FALL				
Department	Course #	Course Name	Hours	RCI
Social Work	2003	The History & Values of Social Welfare	3	AC
Social Work	3008	Institutional Racism	3	RS
Political Science	2000+	See Advisor for suggested courses 2000 and above	3	
Core		See Advisor for suggested courses	4	SB
Required Elective		Elective	3	
Subtotal			16	

Year 3 - SPRING				
Department	Course #	Course Name	Hours	RCI
Social Work	2004	Social Welfare in the United States	3	
<i>Select one of the following Economics courses:</i>			3	
Economics	1001	Introduction to the Economy		IN
Economics	1101	Macroeconomic Principles		IN
Economics	1102	Microeconomic Principles		IN
Economics	1103	Global Economics Issues		IS

Social Work	Upper-Level Elective	Upper-Level Socio-Behavioral Elective 2000+ (See Advisor for suggested courses)	3	
Required Elective		Elective or Certificate Course	3	WI
Required Elective		Elective or Certificate Course	2	
Subtotal			14	

Year 4 - FALL				
Department	Course #	Course Name	Hours	RCI
Social Work	3009	Patterns of Social Service Delivery	3	
Social Work	4001	Seminar in Social Work Practice	3	
Social Work	4187	Practicum (16 hour/week field practicum requirement)	5	
Social Work	4396	Introduction to Social Research	3	WI
Subtotal			14	

Year 4 - SPRING				
Department	Course #	Course Name	Hours	RCI
Social Work	4002	Seminar in Social Work Practice	3	
Social Work	4287	Practicum (16 hour/week field practicum requirement)	5	
Social Work	4397	Evaluating Programs & Practice in Social Work	3	WI*
Social Work		Elective	3	
Subtotal			14	

* pending writing-intensive approval

The B.S.W. will be awarded at 120 credit hours beginning with the freshman class newly matriculating in Fall 2008. If continuing students who matriculated before Fall 2008, or new transfer students who began in Fall 2008, will meet all curricular requirements and have 120 credit hours, they may choose to take fewer credits in the general elective category. If you are a transfer student who was able to use extra transfer credits to fulfill your general elective requirements, these changes will not affect you. However, if you have any required general electives left to take, you may be able to reduce them by two credits. It is important that you consult with your advisor who will help you assess your options.

B.S.W. Program of Study for Transfer Students with 45 or more credits or Core-To-Core Transfer

Students who transfer 64 credits may be eligible to complete the B.S.W. degree requirements in two years of full time study and two summer sessions. This depends on the number of credits that Temple accepts and what requirements they match in Temple's curriculum. All core curriculum and B.S.W. degree requirements must be met.

Major Requirements

- Lower-level courses: Specified Core courses, plus: Economics 1001, 1101, 1102, or 1103; History 1102 or African American Studies 1268; Anthropology/GUS/Sociology 0867; Biology 1001 or Kinesiology 1223; Political Science 1101; Psychology 1061; Sociology 1176; Statistics 2101 or Math 1013 or Sociology 1167 or Psychology 1167.
- Upper-level courses: Political Science (2000+), Socio-Behavioral (2000+). Students should refer to the B.S.W. Handbook for suggested courses.
- Courses in Social Work (59 s.h.).

Year 1 - FALL				
Department	Course #	Course Name	Hours	RCI
Social Work	3005	Helping Processes in Social Work I (6 hour/week field practicum requirement)	4	
Social Work	3007	Human Behavior in the Social Environment	3	IN
IH	0851	Mosaic: Humanities Seminar I	3	IA/GY
African American Studies	1268	African American History Since 1900 <i>or</i>	3	AC
History	1102	History of the U.S. Since 1877	3	AC
ANTHRO/GUS/SOC	0867	World Regions & Cultures	3	IS/GU
Subtotal			16	

Year 1 - SPRING				
Department	Course #	Course Name	Hours	RCI
Social Work	3006	Helping Processes in Social Work II (6 hour/week field practicum requirement)	4	
Social Work	1002	Communication in Social Work Practice	3	
Social Work	3011	Social Worker in the Group	3	
Political Science	1101	The American Political System	3	AC
<i>Select one of the following:</i>			3	
Sociology	1167	Social Statistics		QB
Psychology	1167	Foundations in Statistical Methods		QB
Math	1013	Elements of Statistics		QB
Statistics	2101	Statistical Methods & Concepts		QB
Subtotal			16	

Year 1 - SUMMER I				
Department	Course #	Course Name	Hours	RCI
Social Work	2003	The History & Values of Social Welfare	3	AC
Economics	1101	Macroeconomic Principles	3	IN
Subtotal			6	

Year 1 - SUMMER II				
Department	Course #	Course Name	Hours	RCI
Social Work	2004	Social Welfare in the United States	3	
Social Work	Upper-level Elective	Upper-Level Socio-Behavioral Elective (See BSW Handbook for suggested courses)	3	
Subtotal			6	

Year 2 - FALL				
Department	Course #	Course Name	Hours	RCI
Social Work	3009	Patterns of Social Service Delivery	3	
Social Work	4001	Seminar in Social Work Practice	3	
Social Work	4187	Practicum (16 hour/week field practicum requirement)	5	
Social Work	4396	Introduction to Social Research	3	WI
Social Work	3008	Institutional Racism	3	RS
Subtotal			17	

Year 2 - SPRING				
Department	Course #	Course Name	Hours	RCI
Social Work	4002	Seminar in Social Work Practice	3	
Social Work	4287	Practicum (16 hour/week field practicum requirement)	5	
Social Work	4397	Evaluating Programs & Practice in Social Work	3	WI*
Social Work	Elective	See BSW Handbook for suggested courses	3	
Political Science	2000+	See BSW Handbook for suggested courses	3	
Subtotal			17	

* pending writing-intensive approval

The BSW will be awarded at 120 credit hours beginning with the freshmen class newly matriculating in Fall 2008. If continuing students who matriculated before Fall 2008, or new transfer students who began in Fall 2008, will meet all curricular requirements and have 120 credit hours, they may choose to take fewer credits in the general elective category. If you are a transfer student who was able to use extra transfer credits to fulfill your general elective requirements, these changes will not affect you. However, if you have any required general electives left to take, you may be able to reduce them by two credits. It is important that you consult with your advisor who will help you assess your options.

The Social Work Minor

Temple University recently approved the School of Social Administration's proposal for a social work minor. The new minor is a great complement to majors such as criminal justice, psychology, education, pharmacy, and other allied disciplines.

The Social Work Minor introduces students to the knowledge, values, and skills necessary to:

- Comprehend the structures and functions of the field of social work;
- Develop a more informed position on social policy issues;
- Appreciate the economic, social, political, ethical and epistemological challenges societies, and their citizens, face in responding to basic human needs;
- Grasp the critical importance of social capital to communities and the larger society;
- Become actively involved in helping to address social needs;
- Broaden and further enhance their professional career paths.

The Social Work minor consists of seven courses (23 credit hours), all of which are offered at the main campus:

- Social policy development in historical, political, and economic context (Social Work 2003: *The History and Values of Social Welfare*);
- Social problems and social policy analysis (Social Work 2004: *Social Welfare in the United States*);
- Theories of human behavior within the context of the social environment (Social Work 3007: *Human Behavior in the Social Environment*);
- Helping processes across systems of all sizes; (two courses) (Social Work 3005 & 3006: *Helping Processes in Social Work I & II*)
- Verbal, non-verbal and written communication skills (Social Work 1002: *Communication in Social Work Practice*);
- Institutional racism or group dynamics (Social Work 3008 or 3011: *Institutional Racism or The Social Worker and the Group*).

Student services advisors in the school or college in which the student is currently majoring are available to help students interested in adding a social work minor to their program of study.

Requirements for the Social Work Minor

Department	Course #	Course Name	Hours	RCI
Social Work	1002	Communication in Social Work Practice	3	
Social Work	2003	The History & Values of Social Welfare	3	
Social Work	2004	Social Welfare in the U.S.	3	
Social Work	3005	Helping Processes in Social Work I (6 hours/week field practicum requirement)	4	
Social Work	3006	Helping Processes in Social Work II (6 hours/week field practicum requirement)	4	
Social Work	3007	Human Behavior in the Social Environment	3	
Social Work	3008 or 3011	Institutional Racism or Social Worker in the Group	3	
Total			23	

SCHOOL OF TOURISM & HOSPITALITY MANAGEMENT

Founded 1998

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Accreditation

The baccalaureate degree program in Sport and Recreation Management is currently accredited by the National Recreation and Park Association/American Association for Leisure and Recreation (NRPA/AALR) Council on Accreditation. In addition, the baccalaureate degree program is approved by the Sport Management Program Review Council (SMPRC), sponsored by the North American Society for Sport Management and the National Association for Sport and Physical Education (NASSM/NASPE).

Goals & Objectives

The total experience within the School of Tourism and Hospitality Management enables students to have an excellent fundamental education and exposure to working professionals, internships, and personalized placement services. As a result, students are given a competitive advantage in a job market projected to double in the next decade.

The School of Tourism and Hospitality Management offers two undergraduate major programs: (1) Sport and Recreation Management, and (2) Tourism and Hospitality Management. The undergraduate majors are designed to prepare students for a variety of positions in the leisure service field. The focus of the undergraduate programs is to provide a broad educational foundation and to prepare students for entry into the sport and recreation management, leisure service, or tourism and hospitality occupations at the professional level.

The Sport and Recreation Management program prepares students interested in sport and recreation careers in the private/commercial sector, public recreation and park agencies, voluntary agencies, campus services, armed forces, and corporate/industrial settings. The Tourism and Hospitality Management program prepares students for entry-level to mid-level positions in tourism, hospitality, and commercial recreation. The program prepares students to work in convention and visitors' bureaus, conference centers, resorts, casinos, hotels, theme parks, theaters, and clubs throughout the United States. Both programs consist of coursework in the University's General Education or Core Curriculum, the School major course requirements, the supplemental electives from related disciplines, and two supervised field experiences.

Admissions

If you are applying for admission to Temple University as a freshman or a transfer student, and you wish to major in Sport and Recreation Management or Tourism and Hospitality Management, you should designate the School of Tourism and Hospitality Management (Code 023) on your application. All transfer students must seek individual program advice from the Advising Center.

Financial Aid & Scholarships

Information regarding financial aid and scholarships is available from the Office of Student Financial Services at www.temple.edu/sfs/. For additional information pertaining to specific scholarships within the school's disciplines, refer to the Advising Center.

Special Programs and/or Professional Certification

Honors Laptop Community Students admitted to the University Honors Program are eligible, by invitation only, to be part of the School of Tourism and Hospitality Management's Honors Laptop Community. Students participate in pre-approved Fox School of Business and Management Honors courses in pursuit of a Business Minor, with the added benefit of their own university-issued laptop computer.

Student Association Information

Professional development begins with membership to associations/organizations for all STHM students. We encourage our students to consider joining one of the following groups during their academic tenure in the School of Tourism and Hospitality Management. See our Advising Center for additional information. Scholarship opportunities are available within the associations for those who are active members. See the specific association's web site for details. Please be reminded that in most cases, students must be a member of the association for at least one year to be eligible for the available scholarships.

STHM Student Association

The School of Tourism and Hospitality Management (STHM) Student Association fosters relationships between our students and professionals in the Sport and Recreation Management and Tourism and Hospitality Management industries through participation in career fairs, networking, and conferences. Membership is open to all undergraduate School of Tourism and Hospitality Management majors.

Hospitality Financial and Technology Professionals (HFTP)

This association is open to all Tourism and Hospitality Management students seeking to be professionally involved in technology or finance at the corporate level. There are local meetings held monthly, and they are open for student involvement. Scholarships are available to members of HFTP. Networking is essential and professionally profitable.

Hospitality Sales and Marketing Association International (HSMIAI)

Tourism and Hospitality Management students looking to embark upon exposure to the hospitality industry should join this association. The Philadelphia chapter has monthly meetings that are both educational and a great opportunity to network with the industry professionals.

Meeting Planners International (MPI)

MPI's mission is to help members be their best by building human connections to knowledge, ideas, relationships, and marketplaces. For 23,000 meeting and event professionals in over 65 countries, MPI is the inspired, global community that multiplies their potential by accelerating personal growth. MPI is open to all Tourism and Hospitality Management students who are interested in becoming a professional convention manager or special events planner. The opportunity to network at monthly meetings with established MPI and PCMA members has the potential to help propel a student's professional career.

National Society of Minorities in Hospitality (NSMH)

This national student association is open to all majors in STHM. Although the association's focus is primarily on the hotel side of hospitality, the organization exposes minorities to opportunities in the industry nationwide. Temple has the primary local student chapter that is supported by the Multicultural Affairs Congress (MAC) of the Philadelphia Convention and Visitors Bureau (PCVB).

Professional Convention Managers Association (PCMA)

STHM started a new student chapter in the fall of 2004, and some of our students attended the national conference in Hawaii. With an exciting beginning and talented leaders of the chapter, this group is looking to expand its local and national recognition with the association. This association is open to all Tourism and Hospitality Management majors.

Sport and Recreation Professional Association (SRPA)

Sport and Recreation Management students seeking professional connections, networking opportunities, opportunities to attend seminars and conferences related to the industry are encouraged to join. This group aspires to connect all students seeking knowledge about law, marketing, facilities, ticketing, sales, special events, college athletics, sports information, professional sports, recreation programming, minor league sports, non-profit recreation, etc.

Special Facilities & Programs

The Center for Student Professional Development (CSPD) - The CSPD links classroom learning to successful career development. Our Director of Industry Relations prepares the students for the latest internship and job opportunities through counseling on résumés, cover letters, interviewing skills, and selection criteria.

STHM's National Laboratory for Tourism & eCommerce (NLTeC) - NLTeC at Temple University is multi-disciplinary, multi-departmental and multi-university. The primary mission of NLTeC is to conduct and facilitate high quality inter- and multi-disciplinary research and development in those areas of tourism impacted by technology. To this end, NLTeC provides a unique and powerful setting for scholars and practitioners to consider the nature and role of information technology in the tourism industry. Research by laboratory faculty, staff, and fellows includes the following areas: advertising, business, communications, computer science, education, environmental studies, geography, marketing, management information systems, psychology, and urban and regional planning.

Academic Advising

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Services provided through the Advising Center

The School of Tourism and Hospitality Management advising unit provides individualized information on placement exams and results, majors, minors, course sequence, course load, scheduling, career planning, and academic resources. As a result, students are better equipped to make informed decisions regarding their future endeavors.

Academic advisors attempt to avoid errors when advising students about their program requirements, but schools and colleges cannot assume liability for errors in advising. Therefore, students must assume primary responsibility for knowing the requirements for their degree and for acquiring current information about their academic status.

Special Advising Policies and Procedures

The School utilizes group advising sessions and encourages appointment-only individualized meetings to assist students with advising issues.

Academic Policies & Regulations

Please see [Undergraduate Academic Policies](#) in this *Bulletin*. Students are responsible for complying with all university-wide academic policies that apply to their individual academic status. Additional and unique policies, or exceptions for the School of Tourism and Hospitality Management, appear below.

All advising issues regarding academic policies and regulations should be directed to the School of Tourism and Hospitality Management's Advising Center located in 1700 N. Broad Street, Suite 316.

Program Performance - Students not in good standing are subject to collegial warning and/or probation, or they may be academically dismissed and will be so notified by the Senior Vice Provost for Undergraduate Studies.

Transfer between Colleges within the University - Students may initiate transfer to the School of Tourism and Hospitality Management from another school or college of the university if they are in academic good standing, holding a minimum cumulative GPA of 2.0.

The IUT (Intra-University Transfer) form can be picked up at any advising center or dean's office. Students wishing to transfer into the School of Tourism and Hospitality Management should schedule an interview with the Advising Center to discuss the School's criteria. The IUT form is submitted for consideration during the interview. The student will then be notified of the decision by the Advising Center.

School Graduation Requirements

The information below is for new freshmen and transfer students admitted fall 2008. For information prior to this time, refer to the catalog year for your matriculation semester and year.

Required GPA for Graduation

Students seeking a Bachelor of Science degree from the School of Tourism and Hospitality Management must complete 124 semester hours of coursework and have a cumulative GPA of 2.0 and a major GPA of 2.0.

1. Certain courses may fulfill multiple requirements. In consultation with an advisor, students will be able to plan their curriculum more effectively.
2. The total number of credit hours at graduation may vary for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.
3. Students are required to ensure that they have fulfilled the necessary prerequisites for any

given course or course sequence. Students may read the entire policy in the section on [university-wide Academic Policies](#).

Student Contact Information

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Faculty

Elizabeth H. Barber, Ph.D., CHE
Associate Professor and Associate Dean

Debra K. Blair, Ph.D.
Assistant Professor

Daniel R. Fesenmaier, Ph.D.
Professor, Director of the National Laboratory for Tourism & eCommerce, and Director for Programs in Tourism and Hospitality Management

Clark Hu, Ph.D.
Associate Professor

Michael W. Jackson, HSD
Professor and Director of Graduate Programs in Sport and Recreation Administration

Jeremy Jordan, Ph.D.
Assistant Professor

Aubrey Kent, Ph.D.
Associate Professor

Seoki Lee, Ph.D.
Assistant Professor

Bonnie L. Parkhouse, Ph.D.
Professor

Yvette Reisinger, Ph.D.
Associate Professor

Wesley S. Roehl, Ph.D.
Professor and Director of Graduate Programs in Tourism and Hospitality Management

Ira G. Shapiro, Ph.D.
Professor, Chairperson, and Director for Programs in Sport and Recreation Management

Raymond E. Tedrick, Ph.D.
Professor

Iis P. Tussyadiah, Ph.D.
Assistant Professor

(For further faculty members, please see: <http://directory.temple.edu/search/>)

Sport & Recreation Management

Jeffrey W. Montague, Assistant Dean
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Ira G. Shapiro, Department Chair and Director for Programs in Sport & Recreation Management
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University Requirements

All students are required to complete a set of university requirements: General Education (GenEd) or Core.

New freshmen starting in the 2008-2009 academic year are required to complete the [GenEd](#) curriculum.

New transfer students starting in the 2008-2009 academic year are required to complete the [Core](#) curriculum.

School of Tourism & Hospitality Management Foundation Requirements

Department	Course #	Course Name	Hours	RCI
THM	1112	Career Seminar	1	
THM	1113	Foundation of Leisure	3	
THM	1114	Leadership in Tourism, Hospitality, Sport, & Recreation	3	
THM	2112	Sophomore Research Seminar	2	
THM	2114	Leisure & Tourism in a Diverse Society	3	
THM	3111	Program & Special Event Planning	3	
THM	3196	Research Methodology (Prerequisite: THM 2112)	3	WI
THM	4112	Senior Professional Development Seminar (Prerequisite: Successful completion of THM 3185 and THM 3196, and senior standing) (Strongly Recommended: STOC 1111 [Public Speaking])	3	
Total			21	

Designated Writing Intensive Courses

All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are as follows:

Department	Course #	Course Name	Hours	RCI
THM	3196	Research Methodology (Prerequisite: THM 2112)	3	WI
THM		Writing Intensive Course	3	WI

School of Tourism & Hospitality Management Internship and Project Requirements

Department	Course #	Course Name	Hours	RCI
THM	3185	Internship I (180 Hours) (Prerequisite: C- or better in all THM 1000- and 2000-level courses)	3	
THM	4185	Internship II (600 Hours) (Prerequisite: C- or better in all THM courses) (Co-requisite: THM 4191)	10-12	

THM	4191	Senior Project (Prerequisite: C- or better in all THM courses) (Co-requisite: THM 4185)	3	
Total			16-18	

Major Requirements

Department	Course #	Course Name	Hours	RCI
THM	1211	Introduction to Sport & Recreation	3	
THM	3211	Management in Sport & Recreation	3	
THM	3213	Budget & Finance Systems in Sport & Recreation (Prerequisite: ACCT 2101)	3	
THM	3214	Marketing Management in Sport & Recreation (Prerequisite: ECON 1101 and MKTG 2101)	3	
THM	4212	Law & Ethics in Sport & Recreation	3	
Select one of the following based on your selected Concentration:			3	
Leisure Management Concentration Capstone Course				
THM	4221	Current & Ethical Issues in Recreation & Leisure (Co-requisite: THM 4112)		
		or		
Sport Management Concentration Capstone Course				
THM	4222	Current & Ethical Issues in Sport Management (Co-requisite: THM 4112)		
Total			18	

Electives (6 credits required) or choose one of the Concentrations

Leisure Management Concentration Requirements

Department	Course #	Course Name	Hours	RCI
<i>Select two:</i>			6	
THM	3215	Stadium/Arena Design & Management	3	
THM	3328	Gaming & Casino Management	3	
THM	3425	Event Management: History, Theory, & Best Practices	3	
THM	3427	Leisure & the Aging Population	3	

Sport Management Concentration Requirements

Department	Course #	Course Name	Hours	RCI
<i>Select two:</i>			6	
THM	3215	Stadium/Arena Design & Management	3	
THM	3224	Sports Information & Media Relations	3	
THM	3227	Advanced Sport Marketing Systems	3	
THM	3425	Event Management: History, Theory, & Best Practices	3	

Fox School of Business & Management Requirements

Department	Course #	Course Name	Hours	RCI
Accounting	2101	Financial Accounting	3	
Economics	1101	Macroeconomic Principles (Prerequisite: Knowledge of elementary algebra)	3	IN
Marketing	2101	Marketing Management (Prerequisite: ECON 1101/1102 is highly recommended)	3	
Highly Recommended:				
Human Resource Management	1101	Organization & Management (Prerequisite: English 0802, 1002 or 1022)	3	
<i>These four classes complete the required lower division courses of the Business Minor.</i>				
Total			9	

Free Electives (18 Credits Required)

School of Tourism & Hospitality Management Non-Credit Requirements

Department	Course #	Course Name	Hours	RCI
First Aid			0	
CPR Certification		Community level or better	0	
Industry Related Experience		Minimum 250 hours of participation required prior to THM 4112 (Senior Professional Development Seminar)	0	

OPTIONS

Business Minor

See Advisor. (<http://sbm.temple.edu/advising/minor.html#business>)

General Business Studies Minor

See Advisor. (http://sbm.temple.edu/advising/minor.html#general_business_studies)

Certificate in the Geography of Sport, Recreation, & Tourism Planning

See Advisor. (<http://www.temple.edu/gus/undergraduate/minors/index.htm>)

Certificate of Specialization, Geography of Tourism

See Advisor. (<http://www.temple.edu/gus/undergraduate/minors/index.htm>)

Management Information Systems (MIS) Certificate

See Advisor. (<http://mis.temple.edu>)

Tourism & Hospitality Management

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THM	2112	Sophomore Research Seminar	2	
THM	2114	Leisure & Tourism in a Diverse Society	3	
THM	3111	Program & Special Event Planning	3	
THM	3196	Research Methodology (Prerequisite: THM 2112)	3	WI

THM	4112	Senior Professional Development Seminar (Prerequisite: Successful completion of THM 3185 and THM 3196, and senior standing) (Strongly Recommended: STOC 1111 [Public Speaking])	3	
Total			21	

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All Temple students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for this major are as follows:

Department	Course #	Course Name	Hours	RCI
THM	3196	Research Methodology (Prerequisite: THM 2112)	3	WI
THM		Writing Intensive Course	3	WI

School of Tourism & Hospitality Management Internship and Project Requirements

Department	Course #	Course Name	Hours	RCI
THM	3185	Internship I (180 Hours) (Prerequisite: C- or better in all THM 1000- and 2000-level courses)	3	
THM	4185	Internship II (600 Hours) (Prerequisite: C- or better in all THM courses) (Co-requisite: THM 4191)	10-12	
THM	4191	Senior Project (Prerequisite: C- or better in all THM courses) (Co-requisite: THM 4185)	3	
Total			16-18	

Major Requirements

Department	Course #	Course Name	Hours	RCI
THM	1311	Introduction to Tourism & Hospitality	3	
THM	3311	Organization Management in Tourism & Hospitality	3	
THM	3313	Financial Issues in Tourism & Hospitality (Prerequisite: ACCT 2101 and ECON 1101)	3	
THM	3323	International Tourism	3	
THM	4312	Legal Issues in Tourism & Hospitality	3	
Select one of the following based on your selected Concentration:			3	
Hospitality Management Concentration Capstone Course				
THM	4321	Hospitality Management Systems (Co-requisite: THM 4112)		
		or		
Destination & Event Management Concentration Capstone Course				
THM	4322	Designing Tourism Experiences (Co-requisite: THM 4112)		
Total			18	

Electives (6 credits required) or choose one of the Concentrations

Hospitality Management Concentration Requirements

Department	Course #	Course Name	Hours	RCI
<i>Select two:</i>			6	
THM	3320	Special Topics in Hospitality Management	3	
THM	3324	Hospitality Operations	3	
THM	3328	Gaming & Casino Management	3	
THM	3425	Event Management: History, Theory, & Best Practices	3	

Destination & Event Management Concentration Requirements

Department	Course #	Course Name	Hours	RCI
<i>Select two:</i>			6	
THM	3321	Tourism Planning & Development	3	
THM	3327	Advanced Destination Marketing Systems	3	
THM	3330	Special Topics in Destination & Event Management	3	
THM	3425	Event Management: History, Theory, & Best Practices	3	

Fox School of Business & Management Requirements

Department	Course #	Course Name	Hours	RCI
Accounting	2101	Financial Accounting	3	
Economics	1101	Macroeconomic Principles (Prerequisite: Knowledge of elementary algebra)	3	
Marketing	2101	Marketing Management (Prerequisite: ECON 1101/1102 is highly recommended)	3	
Highly Recommended:				
Human Resource Management	1101	Organization & Management (Prerequisite: English 0802, 1002 or 1022)	3	
<i>These four classes complete the required lower division courses of the Business Minor.</i>				
Total			9	

Free Electives (18 Credits Required)

School of Tourism & Hospitality Management Non-Credit Requirements

Department	Course #	Course Name	Hours	RCI
First Aid Certification			0	
CPR Certification		Community level or better	0	

Industry-Related Experience		Minimum 250 hours of participation required prior to THM 4112 (Senior Professional Development Seminar)	0	
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OPTIONS

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