

TEMPLE UNIVERSITY
UNDERGRADUATE BULLETIN
2006 - 2007



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Welcome from the President

Welcome to Temple University. The *Undergraduate Bulletin* will be a guide to your academic journey here at Temple. I hope that 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 the core curriculum and completing a major. It is also a window into the vast array of human knowledge; it contains more than 4,500 opportunities to learn about everything from accounting to women's studies. As you browse this catalog, you are sure to find something that will interest you, perhaps something you never expected.

The *Bulletin* is more than a listing of courses, a description of academic programs and degree requirements, and general information about the services and programs Temple offers. It reflects the breadth and depth of opportunities Temple University has to offer. Temple has a distinguished faculty in 17 schools and colleges, and offers 125 undergraduate majors as well as 52 undergraduate minors and 69 concentrations.

Temple also provides many settings in which to learn, including five regional campuses in the greater Philadelphia area, other campuses in Pennsylvania, and sites and programs around the world. In addition to the flagship Main Campus, the Philadelphia campuses include the Health Sciences Center, the Center City Campus in Philadelphia, a major suburban campus at Temple University at Ambler, and the Tyler School of Art, a suburban art campus in Elkins Park. 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, Costa Rica, France, Germany, Ghana, Great Britain, Greece, Mexico, Puerto Rico, Scotland and Spain, as well as opportunities to participate in study abroad programs with partner colleges and universities.

Temple has much to offer you. Please take advantage of the *Undergraduate Bulletin* 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, either in print or on the Web, 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 2006 as "your Bulletin year." 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*, *Temple University Class Schedule*, *Undergraduate Course Descriptions*, *You and Campus Safety*, *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 the Curricular Publications Group in the Office of the Vice Provost for Undergraduate Studies (phone: 215-204-2044).

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Academic Calendar 2006 – 2007

Fall Semester 2006	
Fall semester begins	Monday, August 28
Labor Day holiday	Sunday, September 3 - Monday, September 4
Last day to drop a course	Monday, September 11
Deadline for application for January graduation	Monday, October 16
Registration begins (Spring semester)	Monday, October 16
Last day to withdraw from graduate and undergraduate courses	Monday, October 30
*CALENDAR ADJUSTMENT	Tuesday, November 21 - Wednesday, November 22
Thanksgiving recess	Thursday, November 23 - Sunday, November 26
Classes resume	Monday, November 27
Weekday classes end	Wednesday, December 6
Study days	Thursday, December 7 - Friday, December 8
Weekend classes end	Saturday, December 9 - Sunday, December 10
Final Examinations	Monday, December 11 - Saturday, December 16
Winter recess begins	Saturday, December 16 at 10:00 pm

[*TUESDAY, NOVEMBER 21 - FOLLOW YOUR THURSDAY CLASS SCHEDULE](#)
[WEDNESDAY, NOVEMBER 22 - FOLLOW YOUR FRIDAY CLASS SCHEDULE](#)

Spring Semester 2007	
Spring semester begins	Tuesday, January 16
Diploma date	Friday, January 26
Last day to drop a course	Monday, January 29

Deadline for application for May graduation	Thursday, February 15
Spring recess begins	Sunday, March 4
Classes resume	Monday, March 12
Registration begins (Summer Sessions)	Monday, March 12
Registration begins (Fall Semester)	Monday, March 19
Last day to withdraw from graduate and undergraduate courses	Monday, March 26
Classes end	Monday, April 30
Study days	Tuesday, May 1 - Wednesday, May 2
Final examinations	Thursday, May 3 - Wednesday, May 9
Commencement	Thursday, May 17

Summer Sessions 2007	
FIRST SUMMER SESSION	Monday, May 21 - Monday, July 2
Memorial Day Holiday, No Classes	Sunday, May 27-Monday, May 28
Last day to drop a course	Friday, June 1
Deadline for application for August graduation	Friday, June 1
Last day to withdraw from graduate and undergraduate courses	Monday, June 18
SECOND SUMMER SESSION	Monday, July 9 - Saturday, August 18
Last day to drop a course	Friday, July 20
Last day to withdraw from graduate and undergraduate courses	Friday, August 3
Diploma date	Friday, August 31

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); the TECH Center (which opened January 2006; one of the largest on-campus computer facilities of its kind in the United States); and the Avenue North Complex (which will provide luxury student housing, shops and a movie theater when construction is completed).

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 125 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 and Harrisburg, Pennsylvania. The Temple University Health Sciences Center, located just two miles north of the Main Campus, is home to the Temple University schools of Medicine, Dentistry, and Pharmacy. It also includes the Temple University Hospital, a world-class medical facility. 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 England, Germany, Ghana, France, Spain, India, and Scotland. 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 reflects 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 an attractively-renovated 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 is the 26th largest university in the United States and the largest public university provider of professional education (law, dentistry, medicine, pharmacy, and podiatric medicine) in the country.

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 34,000 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 seventeen schools and colleges, Temple University offers academic programs on both undergraduate and graduate levels. There are 2 associate degree areas, 125 bachelor's degree areas, 108 master's degree areas, 52 doctoral degree areas, and 8 first professional degree areas. In the 2005-06 academic year, Temple University awarded 7,181 degrees as follows: 4,322 undergraduate degrees, 2,013 graduate degrees and 798 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 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 course work 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/factbook/, and see more about Temple at www.temple.edu/about.html.

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
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 20,000 undergraduates and 5,000 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 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 Department of 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 and Horticulture and Community and Regional Planning); the programs of the College of Health Professions, the 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; and those of the Tyler School of Art, which are offered at the Tyler Campus.

Physical Facilities

In addition to housing the major classroom and administrative facilities of ten 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 20,000-watt, 24-hour classical and jazz and 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 new, 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, University welcome center, faculty wing, specialty labs, an internet lounge, social spaces, and private, breakout rooms for studying.

The Student Center has undergone a major renovation to provide a new 700-seat dining facility with a wide variety of food venues and a new entry atrium. The Student Center also houses the bookstore, post office, credit union, travel agency, 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. A new student recreation facility consisting of a 39,000-square foot Student Pavilion with lighted tennis courts and an outdoor in-line skating surface was recently constructed.

The 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. The Academic Resource Center and Math/Science Resources Center are located at 1810 Liacouras Walk.

Liacouras Walk, a major pedestrian way running through the center of Campus, provides retail shops, food service, and the Conwell Inn.

Temple University Harrisburg

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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 website at the following web address: www.temple.edu/harrisburg

Ambler Campus

Founded 1958

James W. Hilty, Ph.D., Acting Dean

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 north of Philadelphia, including those from 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, dining center, cafés, and a residence hall.

In Fall 2006, the new Ambler Learning Center opens, a state-of-the-art facility incorporating smart classrooms, wireless technology, new computer labs/classrooms, a technology "breakout" room, study lounges, 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, Communications (interdepartmental major), 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 Core Curriculum and basic courses in Biology, Chemistry, Geology, 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 also complete the BSN entirely at Ambler. Pre-Law students may remain at Ambler for four years, pursuing degrees in Business, Communications, 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.) Temple also offers undergraduate courses at Bucks County Community College, providing another convenient site for Ambler students to take Temple courses.

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 the Welcome Center at 267-468-8000 or check the Temple Ambler website at www.ambler.temple.edu

Academic Awards and Standards at Ambler

(See the Office of Academic Advising for more detail.)

- **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 annual 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 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 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.
- **Patricia A. Woods Memorial Fund Award:** a \$400 award given annually 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 services.

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 website (www.ambler.temple.edu/current/services.htm) 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 and Career Development**

West Hall 109
267-468-8200
tuaadvis@temple.edu

This office coordinates academic advising at the Ambler campus.

- **Academic Advising for the Fox School of Business and Management**

West Hall 112
267-468-8351
<http://sbm.temple.edu/advising/ambler/index.html>

- **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

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 SIGI, an interactive computerized career guidance program, which helps match your interests and skills to potential career choices. 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

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

<http://cs.temple.edu>
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)
- Community and Regional Planning Department CAD/GIS Lab/classroom (Library Building 25)
- PC Computer Classrooms (Learning Center 205, 206, 210, 305, 307, 308; Widener Hall 207)
- Landscape Architecture and Horticulture Department CAD and GIS Computer Studio/Lab (Dixon Hall 108)
- Landscape Architecture and Horticulture Department Senior Digital Design Studio (Dixon Hall 208)
- Macintosh Computer Classroom (Learning Center 201)
- Technology "Breakout" Room (Learning Center 115)
- Smart Classrooms (Widener Hall 108, 115, 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)

- Wireless Technology

Computer Labs and Classrooms — Temple University Fort Washington

267-468-8323

- 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)
- Wireless Technology (at 401 Commerce Drive)
- Videoconferencing Rooms (Rooms 1, 3, 4, 6, 13 and 19 at 425 Commerce Drive)

Disability Resources and Services

West Hall 109

267-468-8200

267-468-8262 (TDD)

www.temple.edu/disability

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

267-468-8640

<http://library.temple.edu/about/libraries/ambler.jsp?bhcp=1>

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 the Diamond, the online catalog, and daily deliveries of materials requested via inter-library loan, the Ambler academic community is provided with convenient access to the collections of all of Temple's libraries. The Ambler Library is connected to the Scholar's Information Center network that supports 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 and Science Resource Center

Bright 201

Ambler: 267-468-8200

Main Campus: 215-204-8466

www.temple.edu/MSRC/

Readmission/Reinstatement

West Hall Lower Level 11

267-468-8100

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

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 Resource Center

Bright Hall 204

Ambler Hotline: 267-468-8204

Main Campus Hotline: 215-204-0700

www.temple.edu/writingctr

The Writing Center at Temple University Ambler helps with questions about grammar, brainstorming, planning, and other concerns regarding writing papers, reports, etc. The Center also offers tutoring in writing skills. This free service is open to all students.

Other Services

Admissions

West Hall

267-468-8100

ambler@temple.edu

Bookstore

Bright Hall
267-468-8460

www.templeambler.bkstore.com

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

West Hall 101
267-468-8250

The Bursar's Office is available for students to process tuition payments, resolve billing questions, and purchase Diamond Dollars and parking hangtags. It also provides a personal check cashing service for residence hall students for checks of up to \$50. Weekly payroll checks from Temple, Barnes and Noble, and Sodexo may also be cashed.

Bus Service

Bright Hall 101
267-468-8425

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

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.

Copy Center

Bright Hall 103
267-468-8470

www.temple.edu/copy

For high-quality duplicating of term papers and other documents, use the Temple University Ambler Copy Center. The staff offers quick turnaround, a variety of papers and services, and great convenience. There is a modest charge for all duplicating services.

Health Services

Darwin Module
267-468-8490

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. These services are available to all currently-enrolled students with a valid University I.D. Appointments for psychiatric or psychological services may be made through the campus nurses. Many services are free; some have discount charges for medication and treatment.

Off-Campus Housing

Bright Hall 101
267-468-8425

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

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 \$60 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.

Student Financial Aid/Financial Services (Also see Bursar above.)

West Hall 103
267-468-8443

www.temple.edu/SFS

Registration/ID Cards

West Hall 102
267-468-8248

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

Welcome Center
Administration Building
267-468-8000

Special Facilities and Programs

Athletic Facilities

www.owlsports.com

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 new 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. In Fall 2005, the Ambler campus unveiled the new Intercollegiate Athletics Field House. With the help of a \$50,000 grant from PECO Energy, Temple University developed "green roof" structures on this athletics facility. 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.

Center for Sustainable Communities (CSC) at Temple University Ambler

Jeffrey Featherstone, Ph.D., Director

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)

267-468-8604

www.temple.edu/cjtp

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, and magisterial district court staff. Other activities include criminal justice continuing education programs for agencies allied to the criminal justice system, citizen, or community groups and 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

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

Dr. Nora Newcombe, Ph.D. Co-Director

267-468-8610

infntlab@temple.edu

www.temple.edu/infantlab

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/la-hort/aboutarboretum.htm

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 an herb garden, ground cover garden, native plant garden, formal gardens, green roof garden, rock wall, woodland garden, wetland garden, trial garden, and large perennial borders. New gardens are planned, including a winter contemplative garden featuring fragrant plants, a proposed dwarf conifer garden, and a healing garden.

Learning Center

One of the most highly-anticipated developments at the Ambler campus is the construction of the new 72,000-square-foot Learning Center, which opens 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.
- Cyber café and wireless lounges.
- 90-seat Ambler Campus Technology center.
- ten Smart Classrooms with interactive multimedia.
- seven computer classrooms with the latest PC and Mac technology and software for all Temple programs.
- Studio Drafting labs and general studios.
- Student lounges on every floor.

Auditorium: Ambler was once home to the Temple University Music Festival and institute. With the Learning Center's auditorium, Ambler has a new venue for the arts! The auditorium provides new opportunities to offer cultural, educational, and entertaining events for our students and the surrounding community.

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:

- **Alpha Chi Rho, Phi Kappa Chi chapter, Matthew Bythrow Memorial Book Scholarship:** to remember an Ambler Business student who died tragically in 2004, the chapter presents \$200 annually to a student who exemplifies the five responsibilities of the Alpha Chi Rho fraternity: academic achievement, community service, financial need, leadership, and involvement in social activities.
- **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.
- **Bob Sundermeier Award:** a \$250 annual 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 James Blackhurst Award:** named for James Blackhurst, Dean of the Ambler campus from 1984 to 1995, the award is presented to a student with a minimum cumulative grade point average of 2.5 for outstanding leadership and service at Ambler.
- **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.
- **Jamie Dickson Memorial Alpha Chi Rho 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.

- **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

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

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

There are about thirty student organizations on campus, including the A-Team, Alpha Chi Rho fraternity, Ambler Accounting Professional Society, 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, Jubilee, Gamma Sigma Sigma sorority, Hillel, Indian American Association, Landscape Architecture and Horticulture Student Association, Latinos Unidos at Ambler, Learning to Include Numerous Cultures (L.I.N.C.), the Organization of African Students, Owl Reach, *The Parable*, 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 Ambassadors, Student Government Association, *Temple Column* newspaper, 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

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

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

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

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 Locations

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, about 1,000 students attend this center, featuring 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. Temple University Fort Washington 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 older individuals with an interest in furthering their education. These personal enrichment courses range from explorations of classical music to discussions of current events.

Bucks County Community College

Swamp Road

Newtown, PA

215-283-1248

Temple University offers undergraduate courses in Education and Nursing (for RNs) at Bucks County Community College. The partnership between the two schools enables Bucks students to continue their college education at a campus convenient to their home, enabling them to take courses toward their respective Temple bachelor's degree. Bucks students are welcome to attend Ambler's Transfer Tuesdays when information sessions are provided for transfer students.

Temple University Center City (TUCC)

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 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 during the academic year. It is possible to complete the following undergraduate degree programs at TUCC in the evening:

- Accounting
- Business Management
- 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. There are limited services on Saturday. 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 and Management, call 215-204-7672 (Main Campus) and specify that you want a TUCC appointment.

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 student services area on the second floor. 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 four of its locations. TUCC has no business relationship with these garages and does not play any role in making their policies. In order to get the discount, students must have their parking ticket stamped and show proof of Temple affiliation, if asked. The parking stamp and a detailed list of participating garages are available in the information center on the ground floor. A list of participating garages is also available on the [TUCC website](#).

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 Machines

Copy machines for student use are available in the café areas on the third and fourth floors. Call 215-204-7271 if there is a problem with the machines.

Information Kiosks

Information kiosks on the ground floor and in Suite 215 allow you to obtain information from Temple websites. 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 located on all floors provide a good place to relax or study. Ethernet connections around the perimeter of these areas allow you to connect your laptop to the Internet. Please note that you must first register the machine address code (MAC) of your laptop with Computer Services before you can take advantage of this service.

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

Wireless Internet Access

Wireless Internet access is available throughout the TUCC campus. 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.

Temple Association for Retired Professionals

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

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 Schools of Medicine, Dentistry, and 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 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' Dean's office 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

Temple University School of Dentistry
3223 North Broad Street
Philadelphia, PA 19140
Martin F. Tansy, Ph.D., 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
www.health.temple.edu/tuh

Temple University Children's Medical Center
3509 North Broad Street
Philadelphia, PA 19140
www.templehealth.org/tucmc

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

Keith Morrison, Dean
215-782-2715

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. In addition to the studio component, the University Core Curriculum requirements necessary for the B.F.A. Degree are offered on the Tyler Elkins Park Campus. Tyler students may elect to fulfill some of the core requirements on one of Temple's other campuses.

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, 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 website 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, are 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 the 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, assisting and developing student organizations, off-campus jobs and housing, museum bus trips, and the production of student publications.

Student Organizations

(see [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

Admissions Office
104 Admissions/Student Services Building
215-782-2875
tylerart@temple.edu

Associate Dean's Office
200 Tyler Hall
215-782-2718

Beech Hall Residence Director
215-782-2866
Bookstore
007 Penrose Hall
215-782-2819

Business Office
210 Tyler Hall
215-782-2751

Bursar
107 Tyler Hall
215-782-2751

Exhibitions
303 Tyler Hall
215-782-2776

Health Services
001 Penrose Hall
215-782-2825

Library & Student Computer Center
111 Penrose Hall
215-782-2849

Registration and Records
201 Tyler Hall
215-782-2751

Security Office
100 Presidents Hall
215-782-2800 or 215-204-1234

Slide Library
109 Penrose Hall
215-782-2848

Student Life
305 Tyler Hall
215-782-2883

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 website to request an undergraduate application is www.temple.edu/undergrad/applying.html.

Students must submit all application materials to the Office of Undergraduate Admissions by the stated deadlines at the [undergraduate application](http://www.temple.edu/undergraduate-application) website. Applications received after these dates will be considered on a space available basis. The admission application fee is \$25.00 for an on-line application and \$50.00 for a paper application. 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, Dance, Music, and the Tyler School of Art. Refer to the individual program description for the details on these special requirements. Adult applicants also have special requirements.

Tuition and Residence Hall Deposits

All students admitted to the University must pay a nonrefundable tuition deposit of \$150 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 of the College Entrance Examination Board, Box 592, Princeton, NJ 08540
- American College Test 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 in the advanced placement program sponsored by the College Board. Credit may be earned as follows:

- Biology, Chemistry, Economics, English, History (American and European), and Physics minimum score of 4
- Others minimum score of 3

Scores should be sent directly to the Office of Undergraduate Admissions.

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.

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 website (www.temple.edu/marc/placements.html).

- All freshmen are required to take the English and Math Placement Examinations, and many freshmen are also required to take the Foreign Language Placement Examination.
- Transfer students who are transferring a credit-bearing, college-level course in Mathematics/Writing/Foreign Language are not required to take the Mathematics/Writing/Foreign Language Placement Examination. (Please note that certain majors have prerequisites and require placement testing.)

New students receive a booklet (*Student Planner*) 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 and MARC websites, 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 Questionnaire (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). This test is required for all freshmen and for transfer students who are not transferring a credit-bearing, college-level writing course. 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 0040/0041, English C050/C051, or exempt).

Mathematics Placement Examination (75 minutes). This test is required for all freshmen and for transfer students who are not transferring a credit-bearing, college-level Math course. In addition, any student who is considering taking a higher-level Math course should take the Mathematics Placement Examination.

Advisors have information concerning conditions under which a student may retest.

Foreign Language Placement Examination (60 minutes). This test is required 1) for freshmen who have previously studied a foreign language and 2) for transfer students who have previously studied a foreign language, but are not transferring a credit-bearing, college-level foreign language course. In addition, any student who has previously studied a foreign language and either has questions about his/her readiness to take additional courses in that language, wants to try to qualify to take an upper-level course, or wants to be exempted from additional foreign language requirements should take the Foreign Language Placement Examination.

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 Vice Provost for Undergraduate Studies website (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.

Orientation for New Students

Following admission to the University and payment of the tuition deposit, students will be contacted regarding their orientation requirements. See the Office of Orientation website 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 at an accredited two- or four-year institution of higher education for consideration, 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 college or school 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 their last 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 can be transferred into Temple varies with the date of a student's admission to Temple:

Students matriculating at Temple **before fall 1998**: The number of credits that students can transfer from a four-year institution depends on their declared Temple major. The maximum number of semester hours that will be accepted in transfer from a two-year institution or a combination of all two-year institutions attended is 64, whether earned prior to or following credits earned at a four-year institution.

Students matriculating at Temple **in fall 1998 and after**: The number of credits that students can transfer from another institution (two- and four-year) depends on their declared Temple major. This policy may not be retroactively applied to students who matriculated at Temple before that semester.

Credit for Academic and Prior Learning Experience

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 with one another.

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

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 requirement. 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

Every Temple undergraduate fulfills the requirements of the University Core Curriculum in some way.

Students entering Temple as freshmen and transfer students 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 University Core version of the University Core. (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, a visitor 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 must complete the International Student Application available on-line or from the Admissions Office. 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

TempleMed Scholars Program

1810 Liacouras Walk, Suite 100

215-204-2513

healthadvising@temple.edu

www.temple.edu/vpus/programs_initiatives/pre-professionalhealth.htm

The TempleMed Scholars Program provides an opportunity for outstanding students to gain conditional admission to the Temple University School of Medicine at the same time they are accepted into one of Temple's undergraduate colleges. As TempleMed Scholars, students are expected to complete the University Honors Certificate Program in conjunction with their undergraduate degree, after which they will enroll in the Temple University School of Medicine, leading to a degree of Doctor of Medicine.

In the eight-year enriched option, a student receives a bachelor's degree in the first four years and enters medical school to receive a medical degree after an additional four years.

In the seven-year accelerated program, a student begins medical school after three years of undergraduate work and at the end of seven years receives a medical degree.

High school students interested in the TempleMed Scholars program should apply in the fall of their senior year. Both an application for undergraduate admission and an application for the TempleMed Scholars program are necessary. For further information, please contact the program director or visit the website listed above.

TempleLaw Scholars Program

www.temple.edu/vpus/programs_initiatives/upperdivision/lawscholars.htm

Paul Crowe, Director, College of Liberal Arts

215-204-8591

pcrowe@temple.edu

Terry Halbert, Fox School of Business and Management

Professor, Legal Studies Department

215-204-5648

terry.halbert@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. There are two program options: The 3/3 offers an accelerated experience in which the student begins law school after three years of undergraduate work; the 4/3 program offers an enriched undergraduate experience in which the student receives the bachelor's degree after four years and the law degree after three years.

Students may enter the TempleLaw Scholars program from either the College of Liberal Arts or from the Fox School of Business and Management. For more information or an application, please contact Paul Crowe in the College of Liberal Arts or Terry Halbert in the Fox School of Business and Management.

TempleRx Scholars Program

1810 Liacouras Walk, Suite 100

215-204-2513

healthadvising@temple.edu

www.temple.edu/vpus/programs_initiatives/pre-professionalhealth.htm

Marquette L. Cannon-Babb, Pharm. D., Assistant Dean

School of Pharmacy, HSC Campus

215-707-4900

This program admits approximately ten exceptional students per year, granting them provisional acceptance into the six-year Temple Doctor of Pharmacy program. Scholars are expected to participate in the University Honors Certificate Program in conjunction with their undergraduate course work before they enroll in the Temple University School of Pharmacy.

Prospective students may apply for admission in the fall of their senior year of high school by completing a general college admissions form and a separate TempleRx Scholars application. For more details, contact Marquette Cannon-Babb, Assistant Dean of the School of Pharmacy.

University Honors Program

Honors Certificate Program

The Certificate Program is designed primarily to enhance the student's experience in the university's core or general education courses. Qualified students who apply to any of the schools or colleges at Temple will be offered admission to the University Honors Certificate program. No separate application is necessary. Selection criteria include high school credentials, application essay, recommendations, and SAT I scores. Current students who did not begin the Certificate Program upon entrance to the University and Transfer students must apply.

Honors Scholars Program

The Scholars Program is designed to enhance the student's experience during the junior and senior years, primarily through research and independent study in the student's major or related fields. Students can complete their work through University Honors Scholars program or through one of the school or departmental programs. Students must apply. To qualify students must have 60 earned hours and a minimum 3.6 cumulative grade point average.

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 website 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. Credit-bearing courses are administered through the Continuing Education Office on 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 websites. The new 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.ambler.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. Course work 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 serving non-matriculated students. Non-matriculated students are those who have not been formally admitted to a degree program. The Office serves a variety of students, including adults returning to school for undergraduate or graduate courses, professionals updating their skills, students taking courses to meet admissions requirements into graduate or professional schools, 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, or college diploma).

Services include:

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

See [Academic Policies and Regulations](#) for non-matriculated students for more information.

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 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 also 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 at www.ambler.temple.edu, click on "Non-Credit Programs", and then on "Courses and Online Registration".

Center City: 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 Temple Association for Retired Persons (TARP), and career development seminars and professional certificate programs from The Business Agenda. For further 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 Schools of Medicine (www.temple.edu/medicine/), Dentistry (www.temple.edu/dentistry/), and 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 website](#) or e-mail extserv@temple.edu.

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 and 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
Asian Business and Society	Asian Studies	CLA
Business Basics (restricted to non-matriculated students)	Business Management	SBM
Business Plus (restricted to non-matriculated students)	Business Management	SBM
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
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
Italian	French, German, Italian and Slavic	CLA
Japanese	Critical Languages	CLA
Secular Jewish Studies	Jewish Studies	CLA
Landscape Plants	Horticulture	Ambler
Latin American Studies Semester	Spanish and Portuguese	CLA
Management Careers	Economics	CLA
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
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 further 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. Students should 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 0100 and above).

Students may use the comprehensive, Non-matriculated and Visiting Student registration form in the Temple University Summer Sessions brochure. 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 website. It will not be sent out automatically. For further information, please contact the Office of Student 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 website 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 with at least a 2.00 cumulative grade point average or a G.E.D. certificate. Students who have attended another college or university must provide a transcript of their previous academic work. 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 in September 2006 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, you can visit Temple University Center City (www.temple.edu/tucc/), Temple University Fort Washington (www.temple.edu/ambler/tufw/), Temple University Alumni and Friends (www.temple.edu/alumni_friends/index.html) and Russell Conwell Center (www.temple.edu/RCC/) websites.

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, 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. Call 215-204-4335 for more information.

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: Acting, Creative Arts, Dance, Languages, Personal Finance, Cooking and Entertaining, Home and Garden, Exercise and Wellness, Writing and Literature, Trips and Tours and Prep Workshops for the GMAT, GRE and LSAT. Call 215-204-6946 for more information.

Real Estate Institute: 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. Call 215-204-1530 for more information.

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. Call 215-204-1512 for more information.

Temple Association for Retired Professionals (TARP): 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.

TARP instructors are also TARP members, representing many professions, vocations, and life experiences. Classes are held Monday to Friday. TARP 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. Call 215-204-1505 or e-mail tucctarp@temple.edu

Temple Senior Scholars: Temple University welcomes its senior alumni back to campus through the Temple Senior Scholars, now in its fifth year. Co-sponsored by the University and the General Alumni Association, Temple Senior Scholars offers alumni age 50 and up the opportunity to return to Temple's thriving Main Campus and audit a variety of regularly-scheduled classes for a nominal fee. All courses are taught by Temple's accomplished professors and offer senior alumni the opportunity to interact with a new generation of Temple students while experiencing the joy of lifelong learning.

Discounted parking, library privileges, and courtesy computer accounts are provided to Senior Scholars for the semester. If you are an alumnus/a age 50 and up, reside in the greater Delaware Valley and would like to become a Temple Senior Scholar, please contact Christine Brady, Associate Director of Alumni Relations, at 215-204-4313 or christine.brady@temple.edu.

Temple University Fort Washington LifeLong Learning Society: Temple University Fort Washington provides a society for members of the community of all ages who enjoy learning and are able to do so during the day. After paying an annual fee, or semi-annual fee (spring only), students may enroll in as many of the LifeLong Learning Society courses as they like. Call 267-468-8504 for details or go to the LifeLong Learning Society section on the Fort Washington website (www.temple.edu/ambler/tufw/) 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. Sample Certificate Programs include: Public Speaking, Creating Professional Presentations with PowerPoint, Utilizing Access, Becoming Proficient with Excel, and Financial Management, Budgeting and Investing. To register or obtain more information, contact the RCC at 215-204-1252.

Registration

Office of Academic Records
200 Conwell Hall
1801 N Broad St.
www.temple.edu/registrar

General Information

Students planning to register for classes should obtain a *Class Schedule*. Separate editions are produced for the fall, spring, and summer semesters. These publications list the time and location of all courses offered. Copies are available in each advising office. These listings are also available on the Web at the Course Schedule website at www.temple.edu/tucourses.

Advising is required prior to initial registration for students who must register at terminals 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 General Registration and Online Registration Information provided on the website 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 financial obligations may result in cancellation of a student's current registration; withholding of official transcripts, grades, 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. 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 mailed a brochure that outlines the registration schedule and contains important information regarding advising. An installment tuition payment plan is available for students who register for the fall or spring semesters during this period. See the [Tuition and Fees](#) section of the *Bulletin* as well as the printed *Class Schedule* 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 to mid-April, with initial fall semester bills mailed beginning in late July and due mid-August.
- For spring semester, held mid-October to mid-November, with initial spring semester bills mailed 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 *Continuing Student Registration* brochure, [Registration Dates & Information](#), and the *Class Schedule* 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 mid-April to late August
- For spring semester, held late 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 *Class Schedule* 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 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 by the Web but wish to make changes in their course schedules should complete a Schedule Revision (Drop/Add) form. Approvals required vary according to the time the transaction is completed and the student's college. See the Schedule Revision Matrix in the printed *Class Schedule* for information.

These students must:

- Obtain a schedule revision form from their advising office.
- Complete 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 **Academic Policies and Regulations**.

Student Identification Cards

Student ID cards 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 and the Office of Academic Records.

An ID card is needed for entry into buildings, library privileges, and many University services. Confirmation Cards are issued to all enrolled students at the beginning of each new semester and must be carried with the photo ID.

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)

First-year students may register for a maximum of 11 credits per semester. Second-year students' registrations are based upon academic progress. Continuing Education students are urged to apply for admission after the successful completion of 30 s.h. (2.0 GPA). Preadmission counseling, academic advising, registration, and other support services are provided for non-matriculated day and evening students. Information is available in the *Class Schedule*. **Also see the [Continuing Education website](#).**

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 late fees and/or collection costs.

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 either in person at the Office of Student Financial Services, by mail, or on the Financial Services section of OWLnet.

Students have the option to pay their tuition in full or can automatically enroll 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 *Class Schedule* 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 late registration fees.

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 on-line payment only through OWLnet 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 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. 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/current/documents/tipp0607.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). 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 on line 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 0001-0399 that are approved for graduate credit are assessed at the graduate tuition rate. Courses numbered 0400 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 Student 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 Student Academic Records. The telephone number is 215-204-1131.

2006-07 Tuition Schedule

To see a copy of the latest tuition schedule, click here:

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

University-Wide Fees

To see a copy of the latest fee schedule, click here:

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

Tuition and Fees are subject to change.

Description of Special Charges and Fees

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

Application Fee:

\$25.00 for standard on-line application for admission, \$50.00 for paper application for admission, or \$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, nine 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 \$35.00 per semester General Activities Fee (GAF). All part-time students are assessed a \$5.00 per semester General Activity 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 nine or more credits are required to pay a \$100.00 per semester fee, students enrolled for five to eight credits must pay a \$72.00 per semester fee, and students enrolled for one to four credits are required to pay a \$34.00 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 Tech 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 \$30.00 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 (nine 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 (six to eight 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 charge 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.

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 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 \$44.00 fee is assessed for graduating seniors.

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. 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 or PLUS Loan 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.

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:

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

**Family contribution is determined by a federal formula based on information reported on the student's application.*

The result of a need determination is met by a combination of awards called a financial aid package. Packages in 2004-2005 generally met 78% 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

Federal regulations define an independent student if he/she meets one of the following criteria:

1. You were born before January 1, 1983.
2. You are a veteran of the U.S. Armed Forces.
3. You are a graduate or professional student.
4. You are married.
5. You are a ward of the court, or both your parents are deceased.
6. You have legal dependents other than a spouse.

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 2006-2007 Academic Year		
	In-state	Out-of-state
Tuition and Fees	\$10,096	\$18,072
Books/Supplies	\$800	\$800
Living Expenses/Transportation	\$8,940	\$8,940
Totals	\$19,836	\$27,812
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 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. Each year, the Department of Student Financial Services lists available work-study positions for students in the Job Bank on their website, www.temple.edu/sfs; however, 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 Service 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 website 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 generally awarded based on need, with priority consideration 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 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.

Philadelphia Outstanding Achievement Scholarships:

Entering freshmen who live and attend high school in Philadelphia may apply. Recipients are generally in the top 10% of their high school graduating classes. Scholarships are renewable for four years as long as the student maintains a 3.0 GPA. Awards are for either half or full tuition. Students are nominated by their high schools. A University committee reviews the nominees and notifies schools and students of their awards, usually by March 15. Students must apply for admission to Temple by February 15th. Up to three students may be selected from each nominating high school. Interested students should contact their high school principals or guidance counselors by January 1. The following Outstanding Achievement Scholarships have been established to honor former alumni, Board members, and faculty members.

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 University Orchestra, bands, and other ensembles. Recipients may matriculate in any of the undergraduate colleges. Prospective applicants should contact the College of Music 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 College of Music. 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, 215-204-7447.

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) website 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 [College Financing Guide](http://www.collegefinancingguide.com/directory.html) website at www.collegefinancingguide.com/directory.html.

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 credits per semester. Annual limits are: \$2,625 freshman, \$3,500 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.

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.

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

In addition, 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.

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 Dean of Students' Office.

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 Judicial Affairs.

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, 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.

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 financial 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 website 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 website 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 website 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).

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 which 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.

International students must demonstrate that they are free of active tuberculosis. Students will be advised to have a PPD skin test and have a Tuberculosis Screening Record completed. 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.

SARS:

Temple University has adopted a policy on SARS, which may be viewed at http://policies.temple.edu/getdoc.asp?policy_no=04.64.11

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 website 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 website at www.temple.edu/ois/orientation.htm and the Office of Orientation website 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 policy website.

Course and Teaching Evaluations (CATE)

Each course (with few exceptions) is required to employ a standard form for student evaluation of courses and teaching. Please fill out the CATE forms thoughtfully at the end of your course.

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 website 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 on-line via OWLnet (<http://owl.net.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 detailed 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/affirmative_action

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, sex, age, religion, national origin, sexual orientation, marital status, or disability. 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, veterans of the Vietnam era, special disabled 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 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 problem it discovers in the course of an investigation. Complaints of sexual harassment may also be reported here.

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 an informal complaint to any Sexual Harassment Ombudsperson. For the names of the Sexual Harassment Ombudspersons designated in a specific school or college, contact the Dean's Office, the Office of Multicultural Affairs (www.temple.edu/affirmative_action), 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 includes 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 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 from the Office of the Student Affairs Ombudsperson, Katie D'Angelo, Director, Student Assistance Center, 215-204-8531.

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.

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.

Student Services Office Hours

All University offices directly serving students will maintain uniform business hours (8:30 a.m. to 5:00 p.m.).

Academic Support

Academic Computer Services

Students can take advantage of a number of first-class technology resources available at Temple University. The most recent addition to these resources is 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 website (<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 to students anywhere on the Internet 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 website 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 website (www.temple.edu/cs/helpdesk/contact/walkin.htm).

In Fall 2006, Ambler Campus will open 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 [OWLnet](#).

Degree Audit Reporting System (DARS)

Debbie Bennett-Kenney, DARS and Transfer Systems Coordinator
Sheila Brogden, 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 week on the second business day. Students can access and print out their individual DARS document through OWLnet. Students can learn more about DARS at the DARS website, including how often the reports are updated, information about how to interpret the DARS, general resources available in the DARS office, and general information about the system.

Pre-Professional Advising and Programs

In addition to the Post-Baccalaureate Program in Health Professions described below, please also see the Russell Conwell Center (RCC) resource center for a pre-graduate school program, and School of Education for Teacher Certification Programs.

Post-Baccalaureate Program in Health Professions

Raymond Coughlin, Director
Health Professions Advising Center
215-204-2513
healthadvising@temple.edu
www.temple.edu/healthadvising

This program is designed to help recent college graduates prepare to enter professional schools in medicine and dentistry. The ideal candidate is a recent college graduate with a strong academic record in a field other than science. This is not a remedial program or a program for those wishing to raise their academic records. The core program consists of four year-long courses: General Chemistry, Organic Chemistry, General Biology and General Physics. Standard Temple University undergraduate tuition schedules and fees apply. Financial aid loans are available for qualified students. For more information contact the Director.

The University Libraries

Larry P. Alford, Vice Provost for Libraries and University Librarian
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 300 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, and the University Archives. As a participant in the Federal Depository Library Program, the library receives 68 percent 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 reference, 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.

Expert assistance in using the library resources is provided by reference staff. Students are introduced to basic information literacy skills through TILT, a self-paced online tutorial, the completion of which is a requirement of the University's Core Curriculum for all incoming first-year and 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' website.

- 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 and 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:

Monday & Tuesday, 8:30 a.m. - 8:30 p.m.

Wednesday & Thursday, 8:30 a.m. - 7:30 p.m.

Friday, 8:30 a.m. - 4 p.m.

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

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

The Math and Science Resource Center's (MSRC) mission is to create an effective learning environment for all Temple undergraduates. The MSRC provides academic support and resources for a range of courses from mathematics and statistics to biology, chemistry and physics. The services and resources are not only for students who are experiencing difficulties with their studies, but also for those excelling in their academic endeavors.

The MSRC offers individual tutoring throughout the semester that enables students to stay on top of their studies. MSRC tutors are graduate and upper-level undergraduate students majoring in Biology, Chemistry, Mathematics, Physics, Statistics and related fields. These highly-motivated students receive special training to deliver comprehensive instruction in their specific field of study. Tutors are eager to help all students achieve their academic goals. Tutors are particularly sensitive to students who are new to University-level courses or who are experiencing the course material for the first time. 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 website and respond within twenty-four hours.

The MSRC offers an array of additional resources beyond our tutoring services to help all Temple students achieve academic excellence. After receiving input from faculty, tutors use problem sets to conduct exam review sessions throughout the semester, emphasizing 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 address specific questions students may have and reinforce material presented during the course.

Another resource available at the MSRC is a dedicated computer laboratory/classroom designed for mathematics, science, and other students who are required to complete web-based assignments or use specialized software. The workstations have Internet access and available connections to both color and laser printers. 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.

Appointments are never necessary! 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 website (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, or review/prepare for a class, 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 them prepare for their future careers. The RCC fosters a community of scholars who are engaged in their university and surrounding community. 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 four computer labs and a laptop loan program for student use. 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 program, 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 employment program hires numerous students as tutors, Assistant Teachers, and instructors during the year. If you want to enhance your skills, develop stronger leadership skills, seek a job, excel in class or serve your peers, we encourage you to contact the RCC.

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 talented high school graduates entering as freshmen or current students who seek to achieve academic success, build leadership, join a supportive community, or participate in educational, cultural programs. The RCC programs offer an extensive leadership program with opportunities for students to strengthen their skills, 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 provide academic skill preparation in mathematics, computer science, technology, English, and library skills, along with academic assessment and counseling to facilitate students' 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 Teaching Fellows, where they assist a faculty member in teaching a course in "Intellectual Heritage," research and develop their teaching pedagogy, and begin the process of identifying their target graduate programs. During the second year, students serve as Research Fellows, where they complete a faculty-guided research project, and attend a Graduate School Preparatory Seminar. 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 citywide George Washington Carver Science Fair.

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 C100 or C101, Anatomy and Physiology.
215-204-1947

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

Mathematics and Sciences Resources Center (MSRC)
Walk-in basis, no appointments necessary
1810 Liacouras Walk, Room 201
215-204-8466
www.temple.edu/MSRC/

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 (RMI)
479 Ritter Annex
Tutoring is available for RMI 100

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

Ambler Campus

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

Statistics
123 West Hall

Mathematics/Science
102 Learning Center

Writing
102 Learning Center

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 website. 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 coursework. 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 website](#). 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 [website](#).

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 website 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

Chet Rispoli, Ed.D., Director
2nd floor, Mitten Hall

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 SIGI 3, a computerized career guidance system. Lots of valuable information can also be obtained in the CDS Career Library and Cyber Center. Full-time, part-time, seasonal, co-op, internship, and other experiential learning opportunities are posted online. 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. This program is currently available to students enrolled in Business and Management, Mathematics, and Computer and Information Sciences.

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 website at www.temple.edu/careerdev/employer_on-campus_rec.htm, or stop by the CDS office for further details.

Student Employment:

Each year, Temple University students find part-time, temporary, and summer employment, both on- and off-campus, through the Student Employment Program in Career Development Services. Employers from around the Philadelphia region actively seek to hire Temple students in a variety of opportunities on an ongoing basis. Students simply need to stop by CDS to receive instructions and a password, and the rest is easy. Student Employment opportunities are online at www.temple.edu/careerdev. Please note: international students must contact the Office of International Services for approval and clearance before seeking employment.

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.

Professional Development:

Temple University offers support and advising for professional development. Please check with Career Development Services and/or with your school and college's advising unit for further information.

Disability Resources and Services

Wendy Kohler, M.S., Associate Director
100 Ritter Annex
215-204-1280
215-204-1786 (TTY)
215-204-6794 (Fax)
www.temple.edu/disability

Disability Resources and Services (DRS) facilitates accommodations and provides information on accessing University programs and facilities for students with disabilities at all campuses. Frequently-requested services include the development of academic adjustment letters and arrangements for accommodations such as sign language interpreting, test proctoring,

library research, note taking, and reader services. Information on mobility, adaptive computing, small equipment loan, specialized scholarships, and career/internship resources is also available.

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)

www.temple.edu/recsvcs

Campus Recreation (formerly called Recreation Services) is the coordinating office for recreational sports programs at Main Campus. Over 2,800 students, faculty, and staff participate daily in one or more of the various activities offered by this department. These activities include intramurals (men's, women's, co-rec, and open), sports clubs, informal recreation, special events and programs, group fitness, adapted recreation, aquatics, and student staff development. Each of these programs is designed for active participation and enjoyment and can provide hours of fun, fitness, and friendship.

Two first-class facilities are available to accommodate a wide range of recreational opportunities. The 59,000 square foot Independence Blue Cross Student Center provides participants with a first-class environment for fitness conditioning, aerobics, martial arts, and racquetball; the Center has an indoor jogging track and an outdoor multi-purpose court. The Student Pavilion is a 52,000 square foot space which provides opportunities for activities such as basketball, volleyball, badminton, indoor tennis, table tennis, indoor soccer, and indoor flag football as well as an indoor 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 also include day lockers and equipment check-out.

All of Campus Recreation's 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 only. Other aquatics events throughout the semester include: Splash into Shape, Water Aerobics, and the Aquatics Fear Factor.

Intramural Sports and Sport Clubs

The Intramural Program is designed to provide you with a flexible, yet structured, environment in which to participate. Sport activities include basketball, flag football, floor hockey, indoor and outdoor soccer, softball, and volleyball. They are administered in league format with various divisions servicing men's, women's, informal, and co-recreational teams. Teams and individuals must formally register for activities. Specific guidelines can be found in the current Intramural Handbook. Sport Clubs 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. Clubs differ in scope and purpose, as some are highly competitive, while others are more social in nature. The key element to the club program is that it is student-initiated and organized, with an emphasis placed on participation and interest in the same activity. There are currently fifteen active clubs, including men's and women's rugby, men's lacrosse, bowling, cricket, indoor rock climbing, roller hockey, swimming, frisbee, men's volleyball, aikido, tae kwon do, karate, ice hockey, and fencing. Additional clubs may be added pending feasibility and registration guidelines.

For further information, visit the Campus Recreation Office, call 215-204-1267, or visit the department website at www.temple.edu/recsvcs

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 non-immigrant 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 website 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 Non-immigrant 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 website at www.temple.edu/ois/orientation.htm and the Office of Orientation website 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 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 will provide 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 and the Atlantic 10 Conference.

Office of the Associate Dean of Students

Kathryn D'Angelo, M.S., Associate Dean
318 Student Center
215-204-8531
215-204-3287 (Fax)
www.temple.edu/assistance/

The Associate Dean of Students Office comprises Orientation, the University Disciplinary Committee, Greek Life, and Student Media. We are committed to being the best resource to help students and their families develop into successful members of the Temple University community. As an office of peer consultants and professionals, we achieve this by orienting new students and their families; administering the disciplinary process; advising recognized Greek-letter organizations; advising student media; and cultivating a culture of service leadership and civic responsibility.

Student Health and Wellness

Student Health Services

Lower Level, Mitten Hall
1913 N. Broad Street
215-204-7500
215-204-4660 (Fax)

www.temple.edu/studenthealth/Index.htm

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, health education/empowerment, and a self-care center. Other services offered at Main Campus include dermatology consultation and HIV testing.

Temple Health Empowerment Office (THEO)

The Temple Health Empowerment Office'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 might include sexuality issues, questions about HIV or other sexually-transmitted infections, birth control information, stress management, tobacco cessation, eating/food issues, and general wellness.

THEO 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.

Educational outreach services include: workshops for campus communities, information campaigns, and a resource center with brochures, books, videos, and Internet access.

Visit us on the Web at www.temple.edu/theo, e-mail us at theo@temple.edu or call us at 215-204-THEO.

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
Lower Level, Sullivan Hall
215-204-7276
215-204-5419 (Fax)

www.temple.edu/counseling/

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. 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. CASA also sponsors a group of trained peer educators who offer workshops and other educational activities. These workshops emphasize positive decision-making and alternatives to alcohol and other drug use. Several anonymous recovery groups, including AA, NA, and ACOA, meet regularly on Temple's campus.

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. SACE also utilizes peer educators who provide student support and training throughout the year. All services are confidential.

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.

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.

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.

Service Learning

Michele O'Connor, Assistant Vice Provost for First Year and Transfer Programs
500 Conwell Hall
215-204-5662
michele.oconnor@temple.edu

Service Learning is a term that describes an option of classes at Temple. These classes allow you to connect course readings, lectures and discussions to meaningful projects in the community. The goal is to help make your academic experience more powerful by giving you the opportunity to spend part of your class time participating in activities that benefit a community organization. Service learning allows you to apply class concepts to the world around you. Service learning also helps you think about how your Temple education can be applied in ways that help yourself and others become responsible citizens who contribute to society.

In some cases, you will be working with organizations that are linked to social justice activities like combating racism, eradicating hunger, improving local schools or working to foster civic empowerment. The focus is the exchange of learning between you and the community. In this regard, service learning is radically different from an internship where the outcomes center around your career or professional development.

Any student enrolled to take classes at Temple University can take a service learning class. Service learning classes should take no more time than any other class offered at Temple. However, just as in a non-service learning class, you may have to spend time outside of designated class hours devoted to reading and studying. The specific amount of time spent participating in the service learning portion of the course varies from organization to organization.

How would you know which courses are service learning courses? Courses will be listed with the number 49 in the course title in the *Course Schedule* booklet, e.g. Education 0224, Service Learning *49.

Community Service

Jason Riley, Assistant Director for Community Relations
Office of Community Service
Community Education Center
1509 Cecil B. Moore Avenue, Second Floor
215-204-7741
Jason.riley@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 Student Seminars

Michele O'Connor, Assistant Vice Provost for First Year and Transfer Programs
500 Conwell Hall
215-204-5662
michele.oconnor@temple.edu

Freshman 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 offered only in the fall semester, introduces students to the purposes of higher education and to the skills needed to use information technology and academic resources successfully in college. The course builds on students' current level of preparedness and helps them discover the new

knowledge and skills that will lead to academic and social success. In addition, the seminar promotes collaborative learning and group work and provides opportunities to practice computer applications to enhance learning.

Learning for the New Century is the Freshman Seminar offered for students in University Studies, but the course is open to ANY interested freshmen. The seminar is offered on both the Main and Ambler campuses.

Learning Communities

Michele O'Connor, Assistant Vice Provost for First Year and Transfer Programs
500 Conwell Hall
215-204-5662
www.temple.edu/LC/

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. Since fall 2001, we have offered a select number of communities designed just for new transfer students. 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.

Online Learning

Dr. Dominique Monolescu Kliger, Director
665 Ritter Annex
215-204-3943
<http://oll.temple.edu>

The OnLine Learning (OLL) 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 the undergraduate and graduate levels and also for continuing education students.

Matriculated students can register online via the OWLnet website (<http://owlnet.temple.edu>). Non-matriculated or continuing education students need to 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 OnLine Learning Program website.

Each week a student will probably receive a week's worth of assignments and discussion materials from a listserv or via the Blackboard course management tool. Therefore, becoming familiar with e-mail, Internet browsing, and chat features before enrolling in an online course is very helpful.

The OnLine Learning Program provides access to over one hundred 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 OLL Program website for more information.

Pre-Professional and Pre-Graduate Programs

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

James C. Markert, Lieutenant Colonel
Ritter Hall, Lower Level
215-204-7480/4453/4399
fax: 215-204-7481
jmarkert@temple.edu

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 - \$400.00 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 50-65 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, an 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

(F = offered Fall semester; S = offered Spring semester)

Military Science (Army ROTC)			
Basic Courses			
0101	Introduction to Military Science I	1 s.h.	F
0101L	Leadership Lab		F
0102	Introduction to Military Science II	1 s.h.	S
0102L	Leadership Lab		S
0201	Basic Military Skills and Leadership	1 s.h.	S
0201L	Leadership Lab		S
0202	Small Unit Operations and Leadership	1 s.h.	F
0202L	Leadership Lab		F
Advanced Courses			
0301	Applied Leadership and Management I	2 s.h.	F
0301L	Leadership Lab		F
0302	Applied Leadership and Management II	2 s.h.	S
0302L	Leadership Lab		S
0355	Advanced Leadership and Management I	2 s.h.	F
0355L	Leadership Lab		F
0356	Advanced Leadership and Management II	2 s.h.	S
0356L	Leadership Lab		S

Military Science Course Descriptions

For the full description of each course, please click on the following link:
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

James C. Markert, Lieutenant Colonel, Professor of Military Science and Department Chair, B.S. - United States Military Academy, West Point, NY, MBA, The Citadel, Charleston, SC (e-mail: jmarkert@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, Captain, Assistant Professor of Military Science, B.S. - St. Leo University, Saint Leo, FL (e-mail: wgriffin@temple.edu)

R. Brock Schultheis, Captain, Assistant Professor of Military Science, B.S. - Mansfield University, Mansfield, PA (e-mail: brocks@temple.edu)

Stephen K. Edgerton, Master Sergeant, Commandant of Cadet and Senior Military Instructor (e-mail: edgerton@temple.edu)

Thomas W. Wilkins, Sergeant First Class, Operations NCO (e-mail: twilkins@temple.edu)

Aerospace Studies - Air Force Reserve Officers' Training Corps (AFROTC)

Department of Aerospace Studies
Saint Joseph's University
5600 City Line Ave.
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 Saint Joseph's University's Department of Aerospace Studies. All Aerospace Studies courses are held on the Saint Joseph's University campus. Credits will be transferred to Temple, appear on the official transcript, and count towards the student's overall GPA. 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 one-year, two-year, three-year, 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 attends a six-week summer training program and then enters the POC in the junior year. In the two-year curriculum, a student attends a six-week summer training program following the spring semester of their junior year.

The subject matter of the freshman and sophomore years is developed from a 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 Lab utilizes a student organization designed for the practice of leadership and management techniques.

Air Force ROTC offers scholarships for one, two, three, and four 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 \$250 to \$400, depending on graduation date.

Course Offerings

(F = offered Fall semester; S = offered Spring semester)

Aerospace Studies (Air Force ROTC)			
Basic Courses			
1011	The Foundation of the United States Air Force I	1 s.h.	F
1021	The Foundation of the United States Air Force II	1 s.h.	S
1031	The Evolution of U.S. Air and Space Power I	1 s.h.	F
1041	The Evolution of U.S. Air and Space Power II	1 s.h.	S
2011	Air Force Leadership Studies I	3 s.h.	F
2021	Air Force Leadership Studies II	3 s.h.	S
2031	National Security Affairs I	3 s.h.	F
2041	National Security Affairs II	3 s.h.	S

For a full description of each course in Aerospace Studies, please click on the following link:

www.temple.edu/bulletin/ugradbulletin/ucd/ucd_aerospacestudies.html.

Naval Reserve Officers' Training Corps

Director, Naval Science Department
University of Pennsylvania
NROTC Unit
417 Hollenback Building
3000 South St.
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 (NSCI) 0101 and 0102 during their freshman year, NSCI 0202 and 0301 during their sophomore year, NSCI 0201 and 0401 in their junior year, and NSCI 0302 and 0402 in their senior year. Those seeking commissions in the Marine Corps will enroll in NSCI 0101, 0102, 0202, 0310, 0410, and 0402. 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 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)		
Basic Courses		
0100	Naval Science Drill (0 course unit)	2 hrs.
0101	Naval Orientation (1 course unit)	3 hrs.
0102	Seapower & Maritime Affairs (1 course unit)	3 hrs.
0201	Engineering (1 course unit)	3 hrs.
0202	Leadership & Management (1 course unit)	3 hrs.
0301	Navigation I (1 course unit)	3 hrs.
0302	Navigation II (1 course unit)	3 hrs.
0310	Evolution of Warfare (1 course unit)	3 hrs.
0401	Weapons (1 course unit)	3 hrs.
0402	Leadership & Ethics (1 course unit)	3 hrs.
0410	Amphibious Warfare (1 course unit)	3 hrs.

For a full description of each course in Naval Science, please click on the following link:
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

Kirk Patterson, Dean

Temple University Japan opened in 1982 to provide Japanese students with the opportunity to obtain an American education in Tokyo. Since then TUJ has expanded to offer an intensive English language program, an associate and a bachelor of arts degrees in Liberal Arts, a master of education and doctor of education in TESOL, a master of arts in economics, an Executive masters of business administration, as well as corporate and continuing education programs. The present student body at the Tokyo campus numbers 2,000 and includes students from a number of countries in addition to Japan.

American undergraduate students may study at Temple Japan for a semester or year, 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.

Temple University Japan is ideally located in central Tokyo in Minami-Azabu. Just twenty minutes walking distance from Roppongi, one of Tokyo's major entertainment districts, Minami-Azabu 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

Mrs. Deborah Marshall
School of Communications and Theater
215-204-1961.

The School of Communications and Theater offers both semester and summer programs in Journalism, BTMM, and Theater 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 thirty-minute walk to the Villa Caproni and five 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. Descriptions of some of Temple's regular summer abroad programs follow.

1. Temple in Paris has operated at the Sorbonne for over 50 years. Students enroll in language and other courses suited to their background and ability; instructors are native speakers trained to work with foreign students. The Paris program generally begins in July. Participants earn 4-6 credit hours.
2. Temple University Japan's eleven-week summer session enables students to spend the summer in Tokyo studying Japanese language and a wide variety of courses conducted in English, including many which focus on Japan and Asia.
3. British Mass Media, held at Temple's London campus, provides students with a comparative perspective on British and American media. Participants earn up to 6 hours of graduate or undergraduate credit in the program.
4. Art Workshop in Scotland is offered by Tyler School of Art in conjunction with the Glasgow School of Art. This intensive workshop is offered to art majors who have completed at least one year of studio work at the sophomore level.
5. Temple in Spain offers coursework in Spanish language and Spanish civilization. Based in Oviedo, Spain, the program includes faculty-led excursions to other major Spanish cities.
6. The Temple University Rome summer session is a six-week program offered during the first summer session. Students choose two courses from those offered. These normally include a range of International Business courses as well as Beginning Italian, History of Art in Rome, and Rome Sketchbook.
7. The Temple in West Africa program, based at the University of Ghana in Accra, enables undergraduate and graduate students to explore West African aesthetics and civilization. Faculty-led field trips to sites outside of Accra enrich the academic program.

University Honors Program

Note: Departmental Honors is described in this *Bulletin* under the schools and college offering it: College of Liberal Arts, Fox School of Business and Management, School of Communications and Theater.

Ruth Ost, Director
204 Tuttleman Learning Center
215-204-0710
www.temple.edu/honors/

Mail inquiries to:
Director, University Honors Program
204 Tuttleman Learning Center (008-00)
Temple University
1809 North 13th Street
Philadelphia, PA 19122-6073

The University Honors Program is for academically-talented students who want to major in everything - and still graduate in four years. 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 "1300," the designated Honors residence hall, during their freshman and sophomore years; they organize and participate in activities from coffee houses to floor hockey to community service.

Honors Certificate Program

The Honors Certificate Program is open to students enrolling in any of the twelve schools and colleges of the University. Admission is decided on the basis of academic qualifications (SAT scores, high school GPA, class rank, or merit-based awards), letters of recommendation, and samples of writing, research, and creative work. Typical Honors students will achieve a combined SAT score around 1300 and a high school GPA of 3.80. No special application is required. All admitted students are screened for Honors.

The program is normally entered at the beginning of the first year, but capable, current first-year students already at Temple or transfer students may apply.

The Certificate Program provides Honors opportunities primarily in the university's general education or core courses. Honors students must complete a minimum of eight (8) courses (24 semester hours) with a cumulative GPA of 3.25 to earn the certificate.

Honors Scholars Program

The Honors Scholars Program is open to students with at least 60 earned hours and cumulative GPA of 3.60, regardless of whether they have participated in or completed the Honors Certificate Program. Both current and transfer students must apply. The online application form is available at the Honors website.

Honors Scholars are required to complete a research or creative project design course and a thesis project in their major or a related field. Some departments or schools offer distinct Honors Scholars Programs – History, Political Science, and Psychology –, but students in any major can enhance their upper-level undergraduate experience in the University Honors Scholars Program. Honors Scholars have opportunities to explore and develop interests in honors courses in their major, in interdisciplinary honors courses, select non-honors courses with significant experiential or service learning value, graduate courses, or honors independent study. Scholars must complete a minimum of six upper-division Honors courses (18 hours), including the research or project design course and honors thesis, to receive the "Honors Scholar" designation on their transcript.

For requirements of the program, see the [Academic Policies and Regulations](#) section of the *Bulletin*.

Honor Societies

Phi Beta Kappa: Phi Beta Kappa is an honor society open to juniors and seniors in the College of Liberal Arts and the College of Science and Technology. 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/.

If you have questions, please contact Stephanie Smith, Faculty Director of Academic Advising, Temple University, College of Liberal Arts, 1330 West Berks Street, Philadelphia, PA 19122, at 215-204-8115, or sgsmith@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 fifteen 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 website at www.nationalald.org/.

Student Leadership & Development Opportunities

Greek Affairs

Associate Vice President for Student Affairs and Dean of Students
Student Center
215-204-7188
215-204-1663 (Fax)

The University recognizes social fraternities and sororities from three national governing bodies: the National Interfraternity Council (NIC), the National Pan Hellenic Council (NPHC), and the National Panhellenic Conference (NPC). As members of the Temple University Greek Association (TUGA), recognized chapters and colonies 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.

Student Activities

Main Campus
Second Floor Mezzanine Student Center
215-204-7131
215-204-1846 (Fax)
www.temple.edu/sac

Health Sciences Center
Second Floor, Student Faculty Conference Center
215-707-4017
215-707-4481 (Fax)
www.temple.edu/hscsa

The Office of Student Activities develops and implements diverse University-wide programs. These programs are designed to challenge, educate, entertain, and provide social and recreational avenues for commuter and residential students alike. The staff offers guidance and advisement to over 180 campus student 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.

The Office is also responsible for the overall operation of the Main Campus Student Center, the Gameroom, the Cinema, the Owl Cove, the Great Court in Mitten Hall, the movie theater, and the Health Sciences Campus Student Faculty Conference Center. These facilities foster increased social interaction and a sense of community among individuals.

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; the Village (clubs and organizations area); *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); Food Court, with a 700-seat dining area; a television lounge; study lounge; bookstore; information center; parking services; credit union; travel agency; and post office.

The Health Sciences Campus Student Faculty Conference Center offers a bookstore, dining hall/coffee shop, study lounges, conference rooms, game room, television lounge, dance studio, gymnasium, and fitness center. A Temple identification card is required to enter the facility.

Temple University Ambler campus offers a variety of student activities. Please visit www.temple.edu/ambler/about/involved.htm or contact the Office of Student Life (267-468-8425) 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 website 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
The Student Center, Room 214
215-204-8727

Temple Student Government (T.S.G.), consisting of an executive and a legislative branch, is the official voice of the student body. It serves as a liaison between the University administration and the students. T.S.G. members work together as a team, focusing on issues pertinent to all Temple students. The student government stands ready to tackle concerns expressed by the students and exists to shape the future of Temple University.

Ambler Campus

Bright Hall, First Floor
267-468-8429

Temple University Ambler Student Government Association is an active student government association, which oversees student concerns, policies, interests and activities. 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.

Student Media

Students on the Main Campus produce their own editorially-independent newspaper, the *Temple News* (www.temple-news.com), during the academic year and distribute it to all campuses. Both the *Temple News* and the *Templar*, Temple's annual undergraduate yearbook, are staffed entirely by students and have offices on the Main Campus in the Student Center. The *Temple News* and *Templar* focus on events and activities that affect the entire University community on all campuses. WRTI FM (90.1), Temple University's jazz and classical music radio station, is located on the Main campus and broadcasts on eleven different frequencies throughout Pennsylvania, New Jersey, and Delaware. A limited number of student jobs are available. The Graphics Media Center (GMC), entirely staffed by students, creates and distributes posters, banners, flyers, buttons, and more for the University community. It is located on the first floor of the Student Center.

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.

Clubs and Organizations

Over 180 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 website at www.temple.edu/sac.

For information on student activities, clubs and organizations at Temple University Ambler campus, visit www.temple.edu/ambler/about/involved.htm and www.temple.edu/ambler/students/current/camp_activities.htm.

For information on student activities, clubs and organizations at the Tyler campus, go to www.temple.edu/tylerstudentlife/, then click on "Student Organizations."

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 website 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 [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 Honors or to be a President's Scholar, a student must complete a minimum of the last 60 semester hours of the program matriculated at Temple. Students who are granted pre-approval by their deans to take courses elsewhere, up to a full semester's work, will qualify for these distinctions if they have completed 60 hours at Temple University towards their degrees. 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

Policy Effective for Fall Semester 2003 and After

Policy

To remain in Academic Good Standing in the University, a matriculated undergraduate student must achieve a semester Grade Point Average (GPA) of at least 2.0 (C) for each semester and maintain a Cumulative Grade Point Average (CGPA) of at least 2.0 for all work completed at Temple University.

Academic Warning

Students will receive notification of academic warning if their semester grade point average falls below a 2.0 even while the cumulative GPA is above 2.0. Academic warning is not given for courses taken in summer school.

A student on academic warning status cannot register for courses online or by telephone, and must meet with his/her adviser to register. Advisers will help these students in planning a schedule of courses selected to assist the student in maintaining an acceptable cumulative GPA. Advisers will see to it that the planned schedules assure academic progress and the completion of required courses.

Academic Probation

Academic Probation is a sanction given to a student whose cumulative grade point average is below 2.0 after having accumulated 24 credits.

A student on Academic Probation cannot register for courses online or by telephone, and must meet with his/her adviser to register. Advisers will help these students in planning a schedule of courses selected to assist the student in maintaining an acceptable cumulative GPA. Advisers will see to it that the planned schedules assure academic progress and the completion of required courses. A student on Academic Probation at the beginning of an academic year is not eligible for University-funded, academic merit-based financial aid until the student is restored to Academic Good Standing.

A cumulative grade point average below 2.0 results in the accumulation of deficiency points. Students who have earned deficiency points will receive notification of Academic Probation on their semester grade reports.

For example, if by the end of the first year a student who has completed 30 hours, the performance in those courses should have produced 60 points:

$$\begin{aligned} 30 \text{ cumulative credits} \times 2 &= \\ 60 \text{ quality points needed for 2.0 average} \end{aligned}$$

If student's performance has produced only 54 points, the student has accumulated 6 deficiency points, and academic probation is noted on the grade report.

$$\begin{aligned} 30 \text{ cumulative credits} \times 2 &= \\ 60 \text{ points needed for 2.0 average} \\ -54 \text{ points earned} & \\ 6 \text{ deficiency points} \end{aligned}$$

Eliminating Deficiency Points

Students can remove deficiency points by achieving C+ grades or better in subsequent courses. Additional grades below C will increase the number of deficiency points. The Deficiency Points Chart (found under the Associate Degree Candidates section below) indicates the deficiency points accumulated by students receiving grades below C. The Quality Points Chart (found under the Associate Degree candidates section below) specifies the relation between course grades and the removal of deficiency points.

Dismissal and Reinstatement

The academic actions of Dismissal from Degree Candidacy and Reinstatement to Degree Candidacy will be guided strictly by the number of deficiency points and will be standard across all schools and colleges.

Dismissal

Except under conditions listed below, a baccalaureate degree candidate is automatically dismissed from degree candidacy for unsatisfactory academic performance if:

Cumulative Credits* are:	Deficiency Points number:
24-39	15 or more
40-69	10 or more
70-99	5 or more
100 and above	3 or more

* "Cumulative Credits" are determined for the purposes of this policy by counting credits in all courses graded "A" through "F". "Cumulative Credits" ignore credits in courses with incomplete grades ("I"), Withdrawals ("W"), Registered ("R"), or Audit ("AU") and credits earned 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 "Degree Credits;" the latter counts credits that accrue toward the degree and includes credits earned in courses not graded "A" to "F" and excludes courses the student does not pass.

Note: Credits transferred to Temple University will be counted at admission as "cumulative credits" in order to establish the level of progress toward a degree. Additional cumulative credits will accrue from courses subsequently taken at Temple. Deficiency points, if any, accrue only from courses taken at Temple University.

Exceptions

A baccalaureate degree candidate will not be dismissed from degree candidacy for unsatisfactory academic performance if he/she has acquired fewer than 24 cumulative semester hours of credits.

No student will be dismissed who has not in the previous semester been placed on Academic Probation.

Notification

A student dismissed from baccalaureate degree candidacy for unsatisfactory academic performance will receive a letter from the Office of Academic Records informing him/her of the dismissal. The letter includes an explanation for the dismissal action as well as instructions for enrolling as a non-degree conditional-status student (Non-Matriculating Status) and criteria for reinstatement to degree status.

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 eligible for financial aid or University housing. The advising office of the Temple school or college or academic unit from which the student was dismissed registers the student during the enrollment period reserved for non-matriculating students and on a space-available basis; the courses taken must be suitable for demonstrating the student's ability to succeed at Temple University. The student may enroll for up to 10 semester hours for a fall or spring semester or up to 4 semester hours for a summer session, for a total of up to 20 semester hours to be completed within two calendar years of the dismissal date.

Reinstatement and Readmission

Student will be accorded only one opportunity for reinstatement.

Students who complete course work on conditional status may apply to any Temple school or college for reinstatement to degree candidacy when they have removed at least half of their deficiency points. All decisions to readmit students must be approved by the Office of the Provost. After reinstatement, a student must remove any remaining deficiency points within two additional semesters. Students who fail to do so will be summarily dismissed.

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. A decision to readmit a student must be approved by the Office of the Provost. Readmitted students will be treated as transfer students, in that they will receive credit for all courses passed at Temple or elsewhere, and will re-enter the University with no cumulative grade point average. This readmission policy, with its forgiveness provision, will go into effect for spring 2009.

Associate Degree Candidates

Academic Warning

The rules and procedures related to Academic Warning for baccalaureate degree students apply also to associate degree candidates.

Academic Probation

The rules and procedures related to Academic Probation for baccalaureate degree students apply also to associate degree candidates.

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 20 cumulative 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, an associate degree student on conditional status may enroll for no more than 10 semester hours which must be completed within one calendar year of the date of dismissal.

Reinstatement and Readmission of Associate Degree Students

The rules are the same for associate degree and baccalaureate degree.

Cumulative Credits* are:

20 to 29

30 to 49

With Grade-Point Deficiencies of:

12 or more

6 or more

50 or more

3 or more

"Cumulative Credits" are determined for the purposes of this policy by counting credits in all courses graded "A" through "F." **"Cumulative Credits" ignore credits in courses with incomplete grades ("I"), Withdrawals ("W"), Registered ("R"), or Audit ("AU") and credits earned 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 "Degree Credits"; the latter counts credits that accrue toward the degree and includes credits earned in courses not graded "A" to "F" and excludes courses the student does not pass.

Note: Credits transferred to Temple University will be counted at admission as "cumulative credits" in order to establish the level of progress towards degree. Additional cumulative credits will accrue from courses subsequently taken at Temple. Deficiency points, if any, will come only from courses taken at Temple University.

Deficiency Points Chart

This chart will assist you in determining the deficiency points accumulated by students who receive grades of C- or less in courses graded "A" to "F."

Grade	Grade-Point Equivalent	Course Credits	Quality Points Acquired	Quality Points for a 2.00	Deficiency Points
C-	1.67 X	1 =	1.67	2	0.33
	1.67 X	2 =	3.34	4	0.66
	1.67 X	3 =	5.01	6	0.99
	1.67 X	4 =	6.68	8	1.32
D+	1.33 X	1 =	1.33	2	0.67
	1.33 X	2 =	2.66	4	1.34
	1.33 X	3 =	3.99	6	2.01
	1.33 X	4 =	5.32	8	2.68
D	1.00 X	1 =	1.00	2	1.00
	1.00 X	2 =	2.00	4	2.00
	1.00 X	3 =	3.00	6	3.00
	1.00 X	4 =	4.00	8	4.00
D-	0.67 X	1 =	0.67	2	1.33
	0.67 X	2 =	1.34	4	2.66
	0.67 X	3 =	2.01	6	3.99
	0.67 X	4 =	2.68	8	5.32
F	0.00 X	1 =	0	2	2.00
	0.00 X	2 =	0	4	4.00
	0.00 X	3 =	0	6	6.00
	0.00 X	4 =	0	8	8.00

Quality Points Chart

This chart will assist you in determining the grade and credits that must be earned to remove deficiency points.

Grade	Grade-Point Equivalent	Course Credits	Quality Points Acquired	Quality Points for a 2.00	Deficiency Points Removed
A	4.00 X	1 =	4.00	2	2.00
	4.00 X	2 =	8.00	4	4.00
	4.00 X	3 =	12.00	6	6.00
	4.00 X	4 =	16.00	8	8.00
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 =	3.00	2	1.00
	3.00 X	2 =	6.00	4	2.00
	3.00 X	3 =	9.00	6	3.00
	3.00 X	4 =	12.00	8	4.00
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.

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

Continuing academic eligibility requirements for student athletes relative to NCAA guidelines are stated below. Student-athletes with any questions regarding athletic eligibility should call the Director of Compliance at 215-204-4923.

1. Student athletes must be registered for a minimum of 12 semester hours in each semester of attendance. They may not withdraw from courses that would put them below 12 credits during their season of competition, unless their season is officially concluded. Student-athletes must receive written approval by the Director of Academic Support for Student-Athletes before withdrawing from any course in any academic semester and are strongly encouraged to see their Athletic Academic Counselor before revising their course roster at any time.
2. They must accumulate 24 semester hours of acceptable degree credits each year or an average of 12 for each semester of attendance.
3. They must meet the academic requirements of the University.
4. They must also officially declare a major prior to the beginning of their fifth semester at the University.
5. Any remedial courses must be successfully completed during the first calendar year of attendance.
6. At the beginning of their sixth semester in school, student-athletes must obtain a Graduation Review form from their Athletic Academic Counselor and have it completed by their assigned College Academic Advisor to determine the exact number of credits needed for graduation in their declared major.

For students who started full-time enrollment prior to Fall 2003:

7. At the beginning of the third year of school, student-athletes must have completed 25% of their entire degree program. At the beginning of the fourth year of school, student-athletes must have completed 50% of the entire degree program. At the beginning of the fifth year of school, student-athletes must have completed 75% of their entire degree program.

8. At the beginning of the third year of school, student-athletes must present a minimum cumulative GPA of a 1.80. At the beginning of the fourth and/or fifth years of school, student-athletes must present a minimum cumulative GPA of a 1.90.

For students who start full-time enrollment in Fall 2003 and after:

7. At the beginning of the third year of school, student-athletes must have completed 40% of their entire degree program. At the beginning of the fourth year of school, student-athletes must have completed 60% of the entire degree program. At the beginning of the fifth year of school, student-athletes must have completed 80% of their entire degree program.

8. At the beginning of the second year of school, student-athletes must present a minimum cumulative GPA of a 1.80. At the beginning of the third year of school, student-athletes must present a minimum cumulative GPA of a 1.90. At the beginning of the fourth and/or fifth years of school, student-athletes must present a minimum cumulative GPA of a 2.00.

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 eligibility standards are more rigorous than other divisions. Factors which constitute eligibility include, but may not be limited to:

- Conduct and Behavior
- Academic Eligibility
- NCAA Satisfactory Progress Standards
- Medical Certification

It should be noted that NCAA rules have been changed (2003-2004) to reflect progressively more rigorous academic standards for student-athletes.

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>. Printed copies are available at the Dean of Students' Office.

Course Numbering System

The general University course numbering system is as follows:

- Undergraduate 0001-0399
- Lower Division 0001-0099
- Lower Division Honors 0090-0099
- Upper Division 0100-0399
- Upper Division Honors 0190-0199, 0290-0299, 0390-0399
- Graduate 0400-0999

Some courses numbered 0100-0399 may be taken for graduate credit with approval. In these instances, graduate fees are assessed.

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 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 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 good academic standing (2.0 cumulative GPA or higher)
- 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.

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 is responsible for administering the Student Code of Conduct. Violations of the University's Code of Conduct, including, among other violations, stealing, cheating, disorderly conduct, plagiarism, and possession of illegal drugs, may result in a student's 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.

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).

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 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 *Class Schedule* and 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.

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 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
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 0100) 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 requirements for graduation will be completed, each student pays the University Graduation Fee at the Cashier's Office. For the current fee, see [Tuition and Fees](#) in the Financial Information section of the *Bulletin*. The validated Treasurer's receipt accompanies the completed Application for Graduation form and is submitted to the Office of the Dean. (Students in the Fox School of Business and Management must submit their application for graduation and receipt to their Dean's Office prior to registration for their final semester.)

Application deadlines are:

- February 15 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 mailed to students submitting the 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.

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.

President's Scholars

President's Scholars are those graduating seniors who are scheduled to complete at least their last 60 hours matriculated at Temple University; who have completed 45 of those last 60 hours; and whose cumulative GPA is at least 3.75. President's Scholars are recognized annually at a special ceremony and reception during the spring semester.

Graduation with Honors

This distinction is bestowed upon those candidates for baccalaureate degrees who have completed at Temple University at least their last 60 hours toward their degrees. Such students will be awarded their degrees "with praise" if the cumulative GPA is:

- 3.25 Cum laude
- 3.50 Magna cum laude
- 3.75 Summa cum laude

Students who are granted pre-approval by their deans to take courses elsewhere, up to a full semester's work, will qualify for these distinctions if they have completed 60 hours at Temple University towards their degrees. 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.

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.

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](#) website.

Degree-seeking non-matriculated undergraduate students are required to apply for admission to a degree program before they complete 30 credits in Continuing Education.

Prior to their enrollment, degree-seeking 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 allowed to take more than 11 credits during their first semester.

Non-matriculated students interested in personal or professional enrichment courses are not required to take a placement test. College transcripts showing prerequisite courses may be required prior to their enrollment.

Non-matriculated undergraduate students who are accepted into an undergraduate degree program may count their Temple, non-matriculated credits toward their residency requirements. Such credits may also count toward students' eligibility for Latin Graduation Honors.

Non-Traditional Credit

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.

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:

- Chemistry, Economics, English, History (American and European), 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.

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.

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 [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 and the dean of the college that offers the course equivalent. See the [CLEP equivalencies](#) chart for a list of the subject examinations and the number of the course equivalent for which Temple grants credit.

All literature, history, and political science examinations require an essay. 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, Third Floor, Sullivan 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 the advising center of the college that offers the course equivalent. If that college approves the granting of CLEP credit, it is posted to the student's record by the Office of Academic Records.

Temple will grant up to 45 credits to a student for successful performance on CLEP examinations.

CLEP credits granted by Temple, and those taken prior to admission to Temple and confirmed by the appropriate Temple department, are counted toward eligibility for the 45+ Transfer Core. See [45+ Transfer Core](#).

Assessment of Prior Learning

Semester hours that count toward the minimum requirement of a college or program occasionally may be earned through cooperative work experience and prior learning. Decisions to assess learning experiences are made by the individual colleges. An evaluation or work experience 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 will be granted after completion of a minimum of 30 credits of formal coursework.

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 by all non-traditional means seldom exceeds eight semester hours; and individual colleges or programs may grant substantially less (including no credits) than this number.

Grades are not assigned to academic and prior learning credit.

Each college engaged in the assessment of academic and work experiences determines its own procedures for review and testing; students should contact the appropriate Dean's 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 and above. International Baccalaureate transcripts should be sent directly to the Office of Undergraduate Admissions.

Permission to Take Courses at Another Institution

Students will not receive transfer credit for courses they take at another institution while they are matriculated at Temple, unless

1. They receive prior permission from their Temple school or college
2. The courses are taken through an approved study abroad program

1. Prior permission to take courses elsewhere may be granted by the student's academic advisor after a review of the student's request and academic program. Advisors will not approve requests from matriculated Temple students to take courses at other institutions within commuting distance of Temple unless there is a compelling academic justification.

To receive prior permission to take courses elsewhere, students must be in [good academic standing](#). Permission is rescinded if the student's GPA falls below 2.0 or the student is placed on [academic warning or probation](#). During the semester prior to the one in which they wish to take the course(s) elsewhere, students must fill out a request for permission form obtained from their Academic advisor and return it to the advisor with a copy of the official course description(s) from the school at which they wish to take the course. For courses intended to fulfill requirements in a student's major, written approval from the departmental coordinating advisor must accompany the form.

Students should note that some Temple schools and colleges have additional limitations on the kind or number of transfer credits accepted.

Thirty of a student's last 45 credits must be taken at Temple University. See [Academic Residency Requirements](#).

To graduate from Temple with Honors, students must complete "at least their last 60 hours toward their degrees in residence at Temple University." See [Honors](#).

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 student's Temple advising office before the beginning of the following semester.

As with all courses accepted in transfer, only courses passed with a grade of C- or higher are granted transfer credit. See [Admissions: Transfer Credit](#).

2. Study abroad programs. 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](#).

Placement Testing

Go to the Measurement and Research Center website 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](#).

CLEP Chart

CLEP Equivalencies		
Temple University CLEP Examination	Corresponding Department	Temple Course
American Government	Political Science	Political Science C051, The American Political System
American History I	History	History C067, U.S. History to 1877
American History II	History	History C068, U.S. History since 1877
American Literature	English	English 0116, Survey of American Literature I
Analyzing and Interpreting Literature	English	English X084, Introduction to Literature
General Biology	Biology	Biology C083, General Biology
English Literature	English	English 0114 or 0115, Survey of English Literature to 1660, or 1660-1900
General Chemistry	Chemistry	Chemistry C071, General Chemistry I
General Psychology	Psychology	Psychology C050, Psychology as a Social Science
Introduction to Management	Human Res. Mgmt.	HRM 0083, Organization and Management
Introductory Accounting	Accounting	Accounting 0001 and 0002, Principles of Accounting I and II
Introductory Business Law	Law (Business)	Legal Studies C001, Law in Society
Intro. Macroeconomics	Economics	Economics C051, Macroeconomic Principles
Intro. Microeconomics	Economics	Economics C052, Macroeconomic Principles
Introductory Marketing	Marketing	Marketing 0081, Introduction to Marketing
Introductory Sociology	Sociology	Sociology C050, Introduction to Sociology
Western Civilization I	History	Lower-Level History Elective
Western Civilization II	History	Lower-Level History Elective

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 Core Courses, University Studies, and Intercollegial Programs.

The Core Curriculum

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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. General education, 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 goals of the Core Curriculum include teaching students how to do things and providing the means to gain new knowledge. 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 at Temple complete some form of the Core Curriculum.

Students entering Temple as freshmen and 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.
- Composition - 3 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 = 39-52**

* Three Writing-Intensive courses are required in addition to the two Writing-Intensive Intellectual Heritage courses. The three additional courses include a Writing Capstone course (3 credits) required by the student's major and two other approved Writing-Intensive courses. A range of credits is given because those courses may overlap with another Core area (X, R), and so are not counted as separate credits, or may be Writing-Intensive only (W).

**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 see below 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 Core and Transfer Office.

Descriptions of Core 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 *Class Schedule* contains a list of Core 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 website (www.temple.edu/vpus/ucc/index.htm).

Core Course Numbering

The course number provides important information about a course, including whether or not it receives Core credit and, in some cases, which Core requirement it meets. Because some courses exist in several Core versions, or in Core and non-Core versions, students should pay careful attention to course numbers and be sure they know which version of a course they are taking.

Numbers for courses that meet Core requirements begin with the letters "C," "R," "W," or "X." Those prefixes, along with the two-letter Required Course Indicator (RCI), provide information on the Core requirement a given course will meet.

C - Satisfies a requirement in one of the Core areas except Studies in Race and Writing-Intensive.

R - Satisfies the Studies in Race requirement, and may also fulfill another Core requirement, as indicated in the RCI.

W - Satisfies a Writing-Intensive requirement.

X - Satisfies a requirement in one of the Core areas, and also satisfies a Writing-Intensive requirement.

Section numbers - Courses numbered in the 0090's or 0190's are Honors courses.

RCI - Required Course Indicator - Shows which Core requirement(s) a course fulfills.

AC - American Culture

AR - The Arts

CO - Composition

IA, IB - Intellectual Heritage

IN - The Individual and Society

IS - International Studies

LA, LB, LC - Language

QA - Quantitative Reasoning, First Level

QB - Quantitative Reasoning, Second Level

RC - Studies in Race and Composition

RS - Studies in Race

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

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 (W courses) or Studies in Race courses that are not also in another Core area.
- The three-semester sequence of College Composition (English C050/C051, R050, or H090) and the two Intellectual Heritage courses (X051 or X091 and X052 or X092) is intended to serve as the foundation of general education 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 or the College of Science and Technology 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 at least the last 60 credits to 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 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.

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 C050, C051, R050, or equivalent - one course, 3 credits)
- Two Writing-Intensive courses, not including Intellectual Heritage, taken at Temple (6 credits)
- One Core Intellectual Heritage course (Temple's IH X051, X052, or equivalent - 3 credits)
- One Core International Studies course (either regular or "Non-Western/Third World") or a language to the second semester (52 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, Geology, 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)
- 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 significant numbers 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 scores meet the Temple credit-granting standards and are approved by the Temple school or college that offers the equivalent course (see [Non-Traditional Credit](#)).
 - 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 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.

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 52 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 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 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 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 in Arts; Associate in 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 of 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 and the University Writing Program

Core Composition/Writing Requirement:

College Composition (English C050, C051, H090, R050, or R090) 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 College Composition, an introductory course required of all students (except those exempted by placement testing) in the first semester in which they are eligible. Composition 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 (W or X) course.

After Composition, 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 X051 or X091 and X052 or X092 (see [Intellectual Heritage](#)).

Note: 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.

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 (X and some R courses), some are general electives, and others may be courses in the student's major. X and R courses are included in the lists of courses approved for the various Core areas.

The "W" 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 ten 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 Program's [website](#) or click [here](#) for New City Writing.

Intellectual Heritage

Prerequisite: College Composition (English C050, C051, R050, or H090) or its equivalent.

Requirement: Intellectual Heritage X051 or X091 (3 credits) and Intellectual Heritage X052 or X092 (3 credits). Students normally should take Intellectual Heritage X051 or X091 in the semester immediately following the completion of College Composition, and Intellectual Heritage X052 or X092 immediately after completing X051 or X091.

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
Intellectual Heritage		
X051	Intellectual Heritage I	3
X052	Intellectual Heritage II	3
X091	Honors Intellectual Heritage I	3
X092	Honors Intellectual Heritage 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 Vice Provost for Undergraduate Studies.

Course #	Course Name	Credits
African American Studies		
C068	African American History since 1900	3
H098	Honors African American History since 1900	3
American Studies		
C051	American Lives (cross-listed with Community & Regional Planning C061)	3
C062	Work in America	3
H091	Honors American Lives	3
C092/H092	Honors Work in America	3
H197	Honors Quest for the American Dream	3
Anthropology		
C064	American Culture	3
Art History		
C191	Image of America	3
Community and Regional Planning		
C061	People and Places (cross-listed with American Studies C061)	3
Educational Leadership and Policy Studies		
C060/X060	Education and Schooling in America	3
English		
C056	American Literature	3
H096	Honors American Literature	3
Geography and Urban Studies		
C080/X080	Geography of United States and Canada	3
History		
C067/X067	U.S. History to 1877	3
C068	U.S. History since 1877	3
H097	Honors U.S. History to 1877	3
H098	Honors U.S. History since 1877	3

Legal Studies (was Law and Business)		
R050	Racial Discrimination under the Law	3
X093	Honors Tobacco in America	3
X199	Honors Law and Ethics in Business	3
Music Studies		
C086	Music in American Society	3
Philosophy		
C063	American Thinkers	3
Political Science		
C051	American Political System	3
H091	Honors American Political System	3
Religion		
C052	Religion in America	3
H092	Honors Religion in America	3
Social Work		
C121	History and Values of Social Welfare	3
Sociology		
R064/X064	American Ethnicity	3
C081/X081	Men and Women in American Society (cross-listed with Women's Studies C081/X081)	3
X092	Honors Men and Women in American Society	3
Strategic and Organizational Communication		
R150	Campaigns and Movements in America	3
H150	Honors Campaigns and Movements in America	3
Tourism and Hospitality Management		
C080/X080	Leisure in American Culture	3
Tyler		
R188	Art, Race, and the American Experience	3
Women's Studies		
C076	American Women's Lives	3
C081/X081	Men and Women in American Society (cross-listed with Sociology C081/X081)	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 Vice Provost for Undergraduate Studies.

Course #	Course Name	Credits
American Studies		
H194	Honors Arts in America	3
Architecture		
C001/X001	Introduction to Design and the Environment	3
C017	Photography and Visual Literacy	3
C141	Architectural History: Ancient through Renaissance	3
C142	Architectural History: Renaissance through 20th Century	3
X171	History of Form of Cities	3

H190	Honors Architectural History: Ancient through Renaissance	3
H191	Honors Architectural History: Renaissance through 20th Century	3
X192	Honors History of Form of Cities	3
Art		
C059	Introduction to Visual Language: Design	3
C069/X069	Introduction to Visual Language: Drawing	3
C079	Introduction to Visual Language: Painting	3
C089	Introduction to Visual Language: 3-D Design	3
X099	Honors Introduction to Visual Language: Drawing	3
Art History		
C051	The Visual Experience	3
C052	Arts of Asia	3
C055	Art Heritage Western World I	3
C056	Art Heritage Western World II	3
H095	Honors Art Heritage Western World I	3
H096	Honors Art Heritage Western World II	3
C193	History of Art in Rome (taught only in Rome)	3
Asian Studies		
C054	Arts of Asia	3
Dance		
C110	Dance as Art	3
C112	Pathways in American Dance	3
H190	Honors Dance as Art	3
English		
C083	Introduction to Drama	3
X084	Introduction to Literature	3
H093	Honors Introduction to Drama	3
H094	Honors Introduction to Literature	3
Greek and Roman Classics		
C071/X071	Greek Drama and Greek Culture	3
Horticulture		
C080	Art of Floral Design I	3
Music Studies		
C061	Introduction to Music	3
C073	The Making of a Musical	3
H061	Honors Introduction to Music	3
C143	Theory I	3
Philosophy		
C061	Art and Society	3
Religion		
C081	Religion and the Arts	3
Theater		
C025	Acting for Non-Majors	3
C110	Theater: The Collaborative Art	3

Individual and 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 Vice Provost for Undergraduate Studies.

Course #	Course Name	Credits
Anthropology		
R060	Introduction to Anthropology: A Four-Field Integrated Approach to Race and Racism	3
H090	Honors Introduction to Anthropology	3
Criminal Justice		
C050	Introduction to Criminal Justice	3
Economics		
C050	Introduction to the Economy (formerly C053)	3
C051/X051	Macroeconomic Principles	3
C052	Microeconomic Principles	3
H091	Honors Macroeconomic Principles	3
H092	Honors Microeconomic Principles	3
H093	Honors Economic Principles	3
Environmental Studies		
C050/X050	Environment and Society (cross-listed with Geography & Urban Studies C050/X050)	3
Geography and Urban Studies		
C050/X050	Environment and Society (cross-listed with Environmental Studies C050/X050)	3
C055	Urban Society	3
R055	Urban Society: Race, Class, and Community	3
H090	Honors Environment and Society	3
Healthcare Management		
C101/X101	Introduction to Healthcare Management	3
Health Related Professions		
C050	Contemporary Aspects of Disability	3
Journalism		
C055	Journalism and Society (formerly Introduction to Mass Media)	3
Legal Studies (was Law and Business)		
C001	Law in Society	3
X091	Honors Law in Society	3
X199	Honors Law and Ethics in Business	3
Philosophy		
C050/X050	Philosophical Challenges to the Individual	3
C062	Morality and the Law	3
H090	Honors Philosophical Challenges to the Individual	3
Political Science		
R050	The Individual, Race, and American Political Life	3
Psychology		
C060	Psychology as a Social Science (formerly C050)	3
X091	Honors Psychology as a Social Science	3
Religion		
C054	Religion and Society	3
H094	Honors Religion and Society	3
Social Work		
C060	Human Behavior in the Social Environment	3
Sociology		
C050/X050	Introduction to Sociology	3
C059/R059/X059	Sociology of Race and Racism	3
C066	Money: Who Has It, Who Doesn't, Why It Matters	3
H090	Honors Introduction to Sociology	3
H099	Honors Sociology of Race and Racism	3
Women's Studies		

X051	Introduction to Women's Studies	3
X091	Honors 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 matriculating at Temple for the first time in the fall of 1996 and after 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.

Bachelor of Arts candidates in the College of Liberal Arts and College of Science and Technology are required by their college to complete both a language requirement and an International Studies course requirement. See Bachelor of Arts Requirements in those Colleges' sections of this *Bulletin*.

Notes:

The first, second, and third levels of all basic language study are numbered 0051, 0052, and C061, respectively (except in Critical Languages).

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 C061 is considered to have completed 0052).

INTERNATIONAL STUDIES OR LANGUAGE OPTIONS:

- **Language option:** Successful completion of the third semester (C061 or Critical Languages equivalent) of a language. (Students whose native language is not English may fulfill this requirement by treating English as a foreign language and should see their advisors about the ways to do this.)
- **International Studies option:** Successful completion of two 3-credit courses from the list below, at least one of which is a designated Non-Western/Third World course (indicated in the list by an asterisk [*]).
- **Combination option:** Successful completion of the second semester (0052 or the Critical Languages equivalent) of a language and one 3-credit International Studies course from the list below.
- **Study abroad option:** Students may substitute 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 approved summer programs qualify as approved substitutes. Students who wish to fulfill their International Studies requirement with a study abroad program should inquire about this in the academic advising center of their school or college. See [International Programs and Study Abroad](#) for information on Temple's and other study abroad programs.

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 Vice Provost for Undergraduate Studies.

Course #	Course Name	Credits
African American Studies		
*C061	Africa in the 20th Century	3
*H091	Honors Africa in the 20th Century	3
Anthropology		
*C061	Cultures of the World	3
C062	Development of an International Perspective	3
*C065	Origins of Cultural Diversity	3
*H091	Honors Cultures of the World	3
Art History		
C148	International Cinema (formerly Issues in National Cinema)	3
Asian Studies		
*C050	Introduction to Asian Religions	3

C053	Introduction to World Religions	3
*C084	Chinese and Japanese Literature in Cultural Context	3
*C086	East and South Asia	3
Critical Languages		
*C084	Chinese and Japanese Literature in Cultural Context	3
Dance		
*C115	Dance in Human Society	3
*H195	Honors Dance in Human Society	3
Economics		
C055	Global Economic Issues	3
French		
*C070	Africa, the Caribbean, and France	3
Geography and Urban Studies		
*C060	World Urban Patterns	3
*C062	Geography of World Affairs	3
*C063	African Development	3
*C086	East and South Asia	3
German/Slavic		
C070	Literature and Culture of Central Europe in the 20th Century	3
H090	Honors Literature and Culture of Central Europe in the 20th Century	3
Greek and Roman Classics		
C077	Introduction to the Ancient City	3
C086	Israel in the Middle East	3
R112	Race: Ancient and Modern	3
History		
*C060	Third World History	3
*C061	World History: Ancient	3
*C062	World History: Modern	3
C063	War and Society	3
C065	Gender and History	3
C066	Modern Europe	3
H091	Honors War and Society	3
H095	Honors Gender and History	3
*X093	Honors World History: Ancient	3
*X094	Honors World History: Modern	3
Latin American Studies		
*C050	Perspectives on Latin America	3
Music Studies		
*C062	Introduction to World Music	3
Philosophy		
*C088	Philosophy East and West	3
Political Science		
C052	Foreign Governments and Politics	3
C053	International Politics	3
H092	Honors Foreign Governments and Politics	3
H093	Honors International Politics	3
Public Health		
C089	International Health	3
Religion		
*C050	Introduction to Asian Religions	3
C051	Introduction to Western Religions	3
C053	Introduction to World Religions	3
*H090	Honors Introduction to Asian Religions	3
H091	Honors Introduction to Western Religions	3
H093	Honors Introduction to World Religions	3
Sociology		
C051/X051	Comparative Societal Development	3
H091	Honors Comparative Societal Development	3
Tourism and Hospitality		

Management		
*X081	Leisure and Culture in Developing Nations	3
Urban Education		
*C060	Schooling and Development in Third World Societies	3
Women's Studies		
C065	Gender and History	3
*C080	International Women's Writing	3

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 the Core 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 Math C077, C085, H095 or Statistics C012 or H092 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 Vice Provost for Undergraduate Studies.

Course #	Course Name	Credits
FIRST LEVEL (QA) COURSES		
Mathematics		
C055	College Mathematics	3
C073	College Algebra	3
C074	Precalculus	3
H090	Honors College Mathematics	3
X195	Honors Mathematical Recreations A	3
Statistics		
C011	Basic Quantitative Foundations for Business and Economics I	3
SECOND LEVEL (QB) COURSES		
Computer and Information Sciences		
C061	Programming in Matlab	3
C071	Computer Programming in C	3
C081	Computer Programming and Higher Level Languages	3
Criminal Justice		
C161	Criminal Justice Research and Analysis (new in 2000; Core credit for 0161 retroactive to 1990)	3
Mathematics		
C065	Elements of Mathematical Thought	3
C067	Elements of Statistics	3
C075	Calculus with Applications I (Only available for students who are repeating the course.)	3
C077	Basic Concepts of Calculus (new in 2002)	3
C085	Calculus I	3

H091	Honors Elements of Mathematical Thought	3
H095	Honors Calculus I	3
H096	Honors Calculus II	3
H097	Honors Foundations of Calculus	3
X196	Honors Mathematical Recreations B	3
Music Studies		
C243	Theory III	3
Philosophy		
C066	Introduction to Logic	3
Psychology		
C067	Foundations in Statistical Methods	3
Sociology		
C067	Social Statistics	3
H097	Honors Social Statistics	3
C201	Statistical Methods in Sociology (New in 2002; Core credit for 0201 retroactive to 1990)	3
Statistics		
C012	Calculus for Business (formerly Quantitative Foundations for Business and Economics II)	3
C021	Statistical Methods and Concepts	3
H092	Honors Calculus for Business (formerly Honors Basic Quantitative Foundations for Business and Economics II)	3
H093	Honors Basic Statistics for Business and Economics I	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 (25). 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 C070 (#1) as an SA course may take as an SB course Anthropology C055, any of the Biology SB courses except H094, and any of the SB courses that can follow any SA course (labeled "1-25"). 2) Someone who plans to take Anthropology C055 as an SB course must first take Biology C070, C071, C083, or H093 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](#): One course in the natural sciences with a laboratory component (Biology, Botany, Chemistry, Geology, 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)

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 Vice Provost for Undergraduate Studies.

Sequence	Course #	Course Name	Credits
FIRST LEVEL (SA) COURSES AND CREDITS			
Biology			
1	C070	Foundations of Biology	4
2	C071	Human Biology	4
3	C083	General Biology I	4
4	H093	Honors General Biology I	4
Botany			
5	C101	General Botany	4
Chemistry			
6	C051	Chemistry: The Study of Matter I	4
7	C061/C063	Introduction to Chemistry I	3/1
8	C065	Our Microscopic Universe	4
9	C071/C073	General Chemistry I	3/1
10	C081/C083	General Chemical Science I	3/1
11	H091/H093	Honors General Chemistry I	3/1
Geology			
12	C050	Introduction to Geology	4
13	H090	Honors Introduction to Geology	4
Kinesiology (was Physical Education)			
14	C100	Human Anatomy and Physiology I	4
Physics			
15	C053	Physics: Matter and Motion	4
16	C055	Light, Art, and Nature	4
17	C065	Our Microscopic Universe	4
18	C067	Acoustics	3
19	C081	Introductory Engineering Physics I	4
20	C083	College Physics I	4
21	C085	Introduction to General Physics I	4
22	C087	Elementary Classical Physics I	4
23	H091	Honors Physics: Matter and Motion	4
24	H092	Honors Light, Art, and Nature	4
25	H093	Fundamental Physics Honors Seminar I	4

Course #	Course Name	Credits	(SA courses)
SECOND LEVEL (SB) COURSES AND CREDITS, with appropriate SA courses in parentheses			
American Studies			
H193	Technology and American Culture	3	(1-25)
Anthropology			
C055	Fundamentals of Biological Anthropology	4	(1-4)
Biology			
C072	Ecosystems	4	(1-3)
C073	Applied Biology	3	(1-2)
C074	Plants, Food, and World Hunger	3	(1-3)
C075	Human Heredity	4	(1-2)
C080	Human Development	4	(1-3)
C084	General Biology II	4	(1-3)
C085	Marine Biology	4	(1-3)
H094	Honors General Biology II	4	(4)
Botany			
C203	Plant Physiology	4	(5)

Chemistry			
C052	Chemistry: Study of Matter II	4	(6)
C062/C064	Introduction to Chemistry II	3/1	(7)
C072/C074	General Chemistry II	3/1	(9)
C082/C084	General Chemical Science II	3/1	(10)
H092/H094	Honors General Chemical Science II	3/1	(11)
Computer and Information Sciences			
C055	Computers and Applications	4	(1-25)
H095	Honors Computers and Applications	4	(1-25)
Electrical Engineering			
C020	Evolution of Modern Electronic Systems	3	(1-25)
C050	Science and Technology: Yesterday, Today, and Tomorrow	3	(1-25)
C054	Technology and You	3	(1-25)
Environmental Engineering Technology			
C010	Introduction to the Environment	3	(1-25)
Environmental Studies			
C052	Introduction to the Physical Environment	4	(12)
Geography and Urban Studies			
C052	Introduction to the Physical Environment	4	(12)
H092	Honors Introduction to the Physical Environment	4	(13)
Geology			
C051	Catastrophic Geology	4	(12, 13)
C057	Evolution	4	(12, 13)
C062	Climate Change: Oceans to Atmosphere	4	(12, 13)
C077	Perspective on Energy	4	(12, 13)
C081	Environmental Resources	4	(12, 13)
Horticulture			
C236	Soils	3	(5)
Kinesiology (was Physical Education)			
C101	Anatomy and Physiology II	4	(14)
Music Studies			
C315	Computers in Musical Applications	3	(15, 18, or 23)
Philosophy			
C077	Science in Context	3	(1-25)
H097	Honors Science in Context	3	(1-25)
Physics			
C054	Physics: Waves and Modern Physics	4	(15 or 18)
C056	Introduction to Astronomy	4	(15, 16, or 18)
C082	Introductory Engineering Physics II	4	(19)
C084	College Physics II	4	(20)
C086	Introduction to General Physics II	4	(21)
C088	Elementary Classical Physics II	4	(22)
H094	Fundamental Physics Honors Seminar II	4	(25)
H096	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 course number and Required Course Indicator (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.

See [Core Course Numbering](#) at the beginning of the **Core Curriculum** section for a list of the Core codes for these courses. If the RCI is "RS," then the course carries Studies in Race credit. If the RCI indicates another Core area (such as "IN" for Individual and Society), then the course carries both the Studies in Race credit and the credit for that other Core area. If the RCI is "RC," the course meets both the Studies in Race and the Core Composition requirements. If it is "WR," the course is both Studies in Race and Writing-Intensive. If the RCI begins with an "X," the course carries credit for Studies in Race and another Core area and is Writing-Intensive.

Note that Studies in Race courses may also have non-Studies in Race versions with the same number but without an "R," that do not meet the Studies in Race requirement (for example, English R170 is a Studies in Race course, but English 0170 is not).

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) and after and to transfer students matriculating as Temple undergraduates in fall 1994 and after, who are not classified as Core-to-Core.

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 Vice Provost for Undergraduate Studies.

Course #	Course Name	Credits
African American Studies		
R348 (RS)	Dimensions of Racism	3
American Studies		
R112 (RS)	African American Experiences	3
H134 (RS)	Honors Literature of American Slavery	3
R134 (RS)	Literature of American Slavery	3
R136 (RS)	Asian American Experiences	3
Anthropology		
R060 (IN)	Introduction to Anthropology: A Four-Field Integrated Approach to Race and Racism	3
H090 (IN)	Honors Introduction to Anthropology	3
Asian Studies		
R190 (RS)	Asian American Experiences (formerly Asian American History)	3
Communication Sciences		
R110 (RS)	Language and Race	3
Criminal Justice		
R335 (RS)	Urban Minorities and the Criminal Justice System	3
Dance		
R280 (RS)	Dance, Movement, and Pluralism	3
Economics		
R065 (RS)	The Economics of Diversity	3
Education		
R065 (WR)	Race and Racism in U.S. Education (taught only in Japan)	3
English		
R050 (RC)	College Composition (Studies in Race version)	3
H090 (RC)	Honors College Composition (Studies in Race version)	3
R110 (RS)	Language and Race	3
R125 (RS)	African-American Literature I	3
R126 (RS)	African-American Literature II	3
R170 (RS)	The Art of the Film	3
R283 (RS)	Blacks/Literature/Drama/Media	3
Geography and Urban Studies		

R055 (IN)	Urban Society: Race, Class, and Community	3
Greek and Roman Classics		
R112 (IS)	Race: Ancient and Modern	3
History		
R108 (RS)	Anti-Semitism/Holocaust/Racism	3
R109 (RS)	Imperialism, Race, and Empire	3
R120 (RS)	Latino Caribbean World	3
R160 (RS)	Race and Ethnicity in American History (formerly R101)	3
R161 (RS)	African American History to 1865 (formerly R233)	3
R162 (RS)	African American History 1865 to Present (formerly R234)	3
R163 (RS)	Asian American History (formerly R237)	3
R164 (RS)	California Dreams, California Nightmares	3
R267 (RS)	Race and the U.S. Constitution (formerly R246)	3
Jewish Studies		
R234	Anti-Semitism/Holocaust/Racism	3
Kinesiology (was Physical Education)		
R336 (RS)	Racism and College Athletics	3
R337 (RS)	Minorities in Sport	3
Legal Studies (was Law and Business)		
R050 (AC)	Racial Discrimination Under the Law	3
Nursing		
R298 (RS)	Cultural Diversity in Health Care	3
Philosophy		
R125 (RS)	Philosophy of African American Experiences	3
Political Science		
R050 (IN)	The Individual, Race, and American Political Life	3
R135 (RS)	Urban Politics and Problems	3
W135 (WR)	Urban Politics and Problems	3
Religion		
R055 (RS)	Racial Justice: A Religious Mandate for Obedience and Revolt	3
H095 (RS)	Honors Racial Justice: A Religion's Mandate for Obedience and Revolt	3
Social Work		
R365 (RS)	Institutional Racism	3
Sociology		
C059/R059 (IN)	The Sociology of Race and Racism	3
X059/H099 (XN)	The Sociology of Race and Racism	3
C064/R064 (AC)	American Ethnicity	3
X064 (XC)	American Ethnicity	3
R179 (RS)	Racial and Ethnic Stratification (formerly R279)	3
Strategic and Organizational Communication		
R150 (XC)	Campaigns and Movements in America	3
H150 (XC)	Honors Campaigns and Movements in America	3
Tyler		
R188 (XC)	Art, Race, and the American Experience	3
Women's Studies		
R152 (WR)	The Politics of Diversity	3
H195 (WR)	Honors The Politics of Diversity	3

List of Writing-Intensive Courses

Below is a comprehensive list of approved writing-intensive courses. Most of the course numbers on this list begin with W; however, a few do not, as follows:

- Course numbers on this list that begin with H indicate writing-intensive courses that are part of the Honors Program.
- Course numbers on this list that begin with R indicate writing-intensive courses that also fulfill the Studies in Race requirement.
- Course numbers on this list that begin with X indicate writing-intensive courses that also fulfill one or two other Core requirements. It is possible to determine which Core areas each X course fulfills by looking up the Required Course Indicator (RCI), also known as the CORE indicator, in the course descriptions.

The following are writing-related RCI codes and their meanings:

- 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

Please note that non-Writing Intensive versions of Writing Intensive courses may also be offered. They have the same course number and name as the Writing Intensive course, but their number does not start with "W"; they have not been designed to be writing-intensive; and they do not carry Core Writing Intensive credit.

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 about the appropriate course(s) for them.

Courses in italics are no longer taught but still carry Core Writing-Intensive credit for students who have taken them.

This is a comprehensive list of all approved Writing-Intensive courses--they are not all offered each semester.

Accounting

W123 Auditing

W300 Senior Seminar in Accounting

Actuarial Science

W218 Casualty Contingencies

Adult and Organizational Development

W051 Introduction to Communication for Educators

Advertising

W380 Morality, Law and Advertising

African American Studies

W051 Introduction to African American Studies

W054 Politics of Colonization

W286 The Black Family

W361 Studies in African American Literature

W398 Senior Seminar

American Studies

H190 Honors Radicalism in the United States

H192 Honors The American Woman: Visions and Revisions

H197 Honors The American Dream

W118 The American Woman: Visions and Revisions

W140 Radicalism in the United States

W151 Asian American History

W152 Asian Diaspora

W153 Asian Women in Transition

W155 Asian American Topics

W393 Senior Seminar in American Studies

W394 Senior Independent Study

Anthropology

W120 Fundamentals of Cultural Anthropology

W301 History of Anthropological Theory
W308 Research in Visual Anthropology
W323 Advanced Seminar in Medical Anthropology
W324 Seminar in Genetic Basis of Human Variation
W325 Biocultural Adaptation
W327 Evolutionary Perspectives on Reproduction
W332 Anthropological Photography
W380 Seminar in Human and Primate Evolution

Architecture

W082 Vernacular Architecture
W246 Nonwestern Architectural History Seminar
W261 Professional Practice
W441 Seminar in Architectural Theory
X001 Introduction to Design and the Environment
X171 History of Form of Cities
X192 Honors History of Form of Cities

Art

W192 Art Seminar
X069 Introduction to Visual Language: Drawing
X099 Honors Introduction to Visual Language: Drawing

Art History

W111 Art of Greece
W112 Art of Ancient Rome
W130 Baroque/Rococo: Italy and Spain
W131 Baroque/Rococo: Northern
W229 Greek and Roman Sculpture
W278 Art Nouveau
W300 Topics in Art History
W306 Topics in Art History
W308 Topics in Art History
W310 Topics in Art History

Asian Studies

W122 Introduction to Buddhism
W162 Indian Religion
W191 Asian Diaspora
W224 Japanese Popular Culture and Its Literature
W260 Introduction to Islam
W300 Seminar in Asian Studies
W303 Topics in Asian Studies I
W304 Topics in Asian Studies II
W311 Modern Japan: Empire, War, Society
W317 Asian Women in Transition

Biology

W202 Cell Function
W204 Cell Structure and Function
W237 Experimental Marine Biology

Broadcasting, Telecommunications and Mass Media

W273 Writing Workshop
W312 Communication in Organizations
W321 History of Broadcasting
W333 Global Telecommunications
W343 Mass Media and Children
W349 Advanced Topics in Social Processes
W372 Broadcast Production Practicum

Business Administration

W361 Business Policies
H391 Honors Business Policies
W391 Honors Business Policies

Chemistry

W237 Physical Chemistry Laboratory

W314 Techniques of Chemical Measurement II

Civil and Construction Engineering Technology

W361 Capstone in Construction

W362 Capstone in Design

Civil Engineering

W001 Introduction to Civil Engineering

W147 Environmental and Safety Aspects of Construction

Communication Sciences

W051 Introduction to Human Communication

W103 Communication Deviations and Disorders

W106 Psychology of Communication

W211 Syntax

W311 Goals and Strategies for Communication Instruction

W336 Orientation to Clinical Management

W360 Field Research in Communication

Community and Regional Planning

W350 Senior CRP Capstone Seminar

Computer and Information Sciences

W201 Information Systems Analysis and Design

W223 Data Structures and Algorithms

W281 Information Systems Analysis and Design

W301 Project in Information Science

W338 Software Engineering

W381 Information System Implementation

Crafts

W220 Art Workshop in Scotland (capstone in Ceramics/Glass)

W292 Metals Concepts and Criticism

W387 Business Practices in Crafts (capstone in Metals)

Criminal Justice

W130 Nature of Crime

W145 Planned Change in Criminal Justice

Critical Languages

W120 Japanese Popular Culture and Literature

H190 Honors Japanese Popular Culture and Literature

Dance

W300 Creative Process in Dance

W315 Dance Modernism in America, 1890s-1950s

W316 Dance Post-Modernism in America 1950s-Present

W397 Senior Seminar

Economics

W237 Economic Development of Modern Europe

W255 Energy, Ecology and Economy

W262 Health Economics

W302 Economics Writing Seminar

X051 Macroeconomic Principles

Education

X060 Education and Schooling in America

Electrical Engineering (EE)

W090 Science and Technology: Yesterday, Today, and Tomorrow

W091 Technology and the 21st Century
H094 Engineering from Pyramids to Microchips

Electrical Engineering Technology (EET)

W166 Instrumentation and Measurement Laboratory
W373 Sensors and Data Acquisition

Engineering (ENGR)

W233 Materials Science for Engineers
W241 Economic Analysis (was W141)
W361 Senior Design Project I
W362 Senior Design Project II

Engineering Technology (ET)

W123 Materials Technology
W223 Materials Technology (was Materials Science)
W362 Engineering Technology Project II

English

H191 Intermediate Honors: Peer Tutoring
W082 Introduction to Fiction
W100 Introduction to English Studies
W101 Developing Prose Style
W102 Technical Writing
W103 Writing the Research Essay
W104 Writing for Business and Industry
W105 Literacy and Society
W106 Texts and Cultures of Science
W107 Creative Writing: Poetry
W108 Creative Writing: Fiction
W112 Technologies of Writing
W116 Survey of American Literature I
W133 Shakespeare
W160 Women in Literature
W202 Advanced Creative Writing: Fiction
W203 Advanced Creative Writing: Poetry
W211 English Syntax
W260 Themes and Genres in Women's Literature
W275 Feminist Theory
W310 Studies in Literacy
W320 Studies in Early American Literature
W321 Studies in 19th Century American Literature
W322 Studies in Modern American Literature
W323 Studies in African American Literature
W330 Studies in Medieval Language and Literature
W331 Studies in Shakespeare
W332 Studies in Renaissance Literature
W333 Studies in Restoration and 18th Century Literature
W340 Studies in Romanticism
W341 Studies in the Victorian Age
W342 Studies in Modern British Literature
W350 Studies in World Literature
W351 Studies in Irish Literature
W352 Studies in Drama
W353 Studies in Poetry
W370 Studies in Film
W371 Studies in Criticism
W379 Advanced Topics: Postcolonial Studies
X084 Introduction to Literature

English Education, Elementary

W120 Teaching Language Arts
W260 Teaching Introductory Language, Reading, and Writing

Environmental Engineering Technology (ENVT)

W331 Pollution Control Processes

Environmental Studies

X050 Environment and Society
W156 Philosophical Perspectives on the Environment
W252 Problems of Environmental Quality
W258 Social History of American Medicine
W300 Senior Research Seminar

Film and Media Arts

W320 Writing for Media II
W360 History of Documentary
W362 Contemporary American Documentary
W368 History of Narrative Film
W391 Topics in Film Study

Finance

W213 Bank Management
W350 Seminar in Financial Management

French

W122 Composition I
W232 Composition II

General and Strategic Management

W362 Advanced Entrepreneurship
W381 International Strategic Management

Geography and Urban Studies

W050 Environment and Society
W131 Urban Systems in Global Economy
W212 Gender, Race, Class and the City
W221 Urban Policy Analysis (was W120)
W252 Problems of Environmental Quality
W282 Research Methods in Geography and Urban Studies
W300 Senior Seminar in Geography and Urban Studies
X050 Environment and Society
X060 World Urban Patterns
X080 Geography of the United States and Canada

Geology

H391 Honors Environmental Seminar
W301 Igneous and Metamorphic Petrology
W302 Structural Geology
W381 Environmental Seminar

German

W231 Composition I

Graphic Art and Design

W214 Graphic Design Workshop in Japan
W349 Art Career Workshop
W362 Senior Portfolio

Greek, Ancient

W101 Readings in Greek Literature I

Greek and Roman Classics

W160 Ancient Historians
W161 Ancient Historians
W240 Literatures
W241 Romans and Their Literatures
W251 Classical Greek and Roman Mythology
W252 Comparative Mythology
W253 Hebrew Myth and Legend
W254 Classical Epic

W260 Topics in Cultures
W261 Topics in Cultures
W263 Ancient Cities: Periclean Athens
W264 Ancient Cities: Hellenistic Alexandria
W265 Ancient Cities: Augustan Rome
W266 Ancient Cities
W267 Ancient Cities: Byzantium
W278 Jewish Humor: Past and Present
W279 Literature and Art of the Holocaust
W290 Classical Mythology
W292 Topics in Classical Culture
H290 Honors Classical Mythology
H292 Honors Comparative Mythology
X071 Greek Drama and Greek Culture

Health Information Management

W181 Acute Care Internship
W281 Nonacute Care Internship

Health Related Professions

W312 Research Methodology

Healthcare Management

W301 Integrated Delivery Systems and Managed Care
X101 Introduction to Healthcare Management

Hebrew

W101 Readings I

W279 Literature and Art of the Holocaust (in translation)

History

W105 Beginnings of European Civilization
W106 Medieval and Renaissance Europe
W111 Asian Diaspora
W156 Modern Jewish History
W178 Eastern Europe in the 20th Century
W215 Asian Women in Transition
W255 Jews, Judaism, and the Modern World
W256 Eastern Europe: Nationalism, Authoritarianism, and Communism (was W355)
W257 History of American Medicine
W340 Modern Japan: Empire, War, Society
W345 Revolutionary Mexico
W355 Eastern Europe: Nationalism, Authoritarianism, Communism (was W178)
W370 Social History of American Medicine (was W257)
W386 Writing Seminar in American History
W387 Writing Seminar in European History
W388 Writing Seminar in Third World History
W397 Contemporary Theory and Practice of History
X067 U.S. History to 1877
X093 Honors World History: Ancient
X094 Honors World History: Modern

Horticulture

W395 Senior Seminar

Human Resource Management

W310 Organization and Staffing

Intellectual Heritage

X051 Intellectual Heritage I
X091 Honors Intellectual Heritage I
X052 Intellectual Heritage II
X092 Honors Intellectual Heritage II

Italian

W133 Composition I: Italian Composition and Conversation

W250 Composition II: Advanced Writing Skills

W360 Creative Writing through Reading

Jewish Studies

W122 Modern Jewish History

W221 Introduction to the Bible

W233 Jewish Humor: Past and Present

W342 Independent Study in Jewish Studies

Journalism

W231 Magazine Article Writing

W323 Advanced Public Relations Writing

W372 Broadcast Production Practicum

W382 Journalism and the Law

Kinesiology

W205 Social & Psychological Aspects of Physical Activity

Landscape Architecture

W318 Western Traditions of Landscape Architecture

W319 American Traditions of Landscape Architecture

W241 Western Traditions of Landscape Architecture (was W318)

W242 American Traditions of Landscape Architecture (was W319)

W332 Landscape Architecture Design VI: Spring Senior Studio (was W393)

W390 Fall Senior Seminar

W391 Spring Senior Seminar

W392 Fall Senior Studio

W393 Spring Senior Studio

W397 Senior Studio

Latin

W101 Readings in Latin Literature I

Latin American Studies

W138 Topics in Latino Studies

W139 Topics in Caribbean Studies

W140 Topics in Latin American Studies I

W141 Topics in Latin American Studies II

W315 Latin American Studies Seminar

Legal Studies

W112 Legal Research, Writing, and Advocacy

X093 Honors Tobacco in America

X091 Honors Law in Society

X199 Honors Law and Ethics in Business

Management Information Systems

W201 Business Process Analysis

W301 Information Systems Implementation

Marketing

W160 Consumer and Buyer Behavior

W360 Marketing Strategy Planning

W361 E-Commerce Marketing Strategy

Mathematics

W062 A Cultural Approach to Mathematics

W092 Honors A Cultural Approach to Mathematics

W115 Mathematical Recreations

W141 Basic Mathematical Concepts

W195 Honors Mathematical Recreations

W205 Modern Algebra

W363 Senior Problem Solving

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

W230 Teaching General Music
W364 Music Therapy Research

Music Studies

W260 Music in History
W261 Music in History
W271 Theory Seminar II

Nursing

W130 Teaching Strategies for Health Professionals
W202 Nursing IV
W242 Epidemiology in Nursing Systems
W250 Research Methods
W289 Leadership for Registered Nurses
W394 Nursing Leadership

Occupational Therapy

W107 Clinical Reasoning I
W201 Applied Concepts of OT II
W205 Clinical Reasoning II
W207 Clinical Reasoning III

Organizational Studies

W393 Senior Seminar in Organizational Studies

Painting, Drawing and Sculpture

W286 Painting, Drawing, Sculpting Seminar

Philosophy

W050 Philosophic Issues
W100 Introduction to Philosophy
W156 Philosophical Perspectives on the Environment
W293 Pre-Law Tutorial
W298 Senior Seminar
X050 Philosophical Challenges to the Individual

Physics

W215 Advanced Laboratory

Political Science

H101 Honors Introduction to Political Philosophy
W101 Introduction to Political Philosophy
W135 Urban Politics and Problems
W190 Political Fiction
W244 Politics of Modern Capitalism
W262 The International Legal Order
W291 Junior Honors Capstone Seminar
W292 Junior Honors Capstone Seminar
W340 Capstone Seminar in Political Science
W391 Senior Honors Capstone Seminar
W392 Senior Honors Capstone Seminar

Psychology

W123 Scientific Thinking in Psychology
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
W371 Capstone: History of Psychology
W372 Capstone: Fields of Psychology
W373 Capstone in Psychology
W374 Capstone: Research
W375 Capstone: Honors
W394 Honors Research Problems
X091 Honors Psychology as a Social Science

Public Health

W312 Research and Evaluation
W321 Introduction to Community Health Problems
W340 Administration of Health Education Programs

Real Estate

W106 Real Estate Valuation I

Religion

H393 Honors Death and Dying
W106 Religions of India
W122 Introduction to Buddhism
W200 Introduction to Islam
W240 Introduction to the Bible
W253 What is Christianity?
W343 Death and Dying
W370 Capstone Seminar in Religion

Risk Management and Insurance

W218 Casualty Contingency
W355 Advanced Topics in Health and Welfare Employee Benefits (was W320)
W359 Global Corporate Risk Management
W360 Advanced Risk Management and International Insurance

Russian

W231 Russian Conversation and Composition

Secondary Education

W371 Reading Problems in the Secondary Schools

Social Work

W285 Seminar in Social Work Practice
W286 Seminar in Social Work Practice

Sociology

W205 Sociology of Education
W209 Introduction to Population Studies
W216 Altered States of Consciousness
W238 Selected Topics in Sociology: Popular Culture
W241 Development of Sociological Thought
W248 Sociology of Organizations (capstone prior to 2002)
W249 Class in Modern Society (capstone prior to 2002)
W253 Aging: Sociology of Gerontology (capstone prior to 2002)
W256 Political Sociology (capstone prior to 2002)
W380 Senior Seminar (was Doing Sociology in the Real World) (capstone as of 2002)
X050 Introduction to Sociology
X051 Comparative Societal Development
X059 Sociology of Race and Racism
X064 American Ethnicity
X081 Men and Women in American Society
X090 Introduction to Sociology

X092 Honors Men and Women in American Society
H099 Honors Sociology of Race and Racism

Spanish

W102 Composition and Conversation

W215 Advanced Writing Skills

Strategic and Organizational Communication

H150 Honors Campaigns and Movements in America

R150 Campaigns and Movements in America

W110 News Writing and Media Relations

W284 Diverse Communication and Leadership

W323 Advanced Public Relations Writing

W350 Analysis of Public Discourse

W398 Independent Research in Organizational Leadership

Theater

W303 Classical Tradition

W304 Romantic Tradition

Therapeutic Recreation

W312 Research and Evaluation in Therapeutic Recreation

W335 Therapeutic Recreation Clinical Procedures

Tourism and Hospitality Management

W312 Research Methodology

X080 Leisure in American Culture

X081 Leisure and Culture in Developing Nations

Tyler School of Art

R188 Art, Race and the American Experience

Women's Studies

H195 Honors Politics of Diversity

H393 Honors Feminist Theory

R152 The Politics of Diversity

W115 Special Topics: Women's Studies

W126 Women in Literature

W128 Themes and Genres in Women's Literature

W206 The American Woman: Visions and Revisions

W212 Gender, Race, Class and the City

W249 Women in Modern Asia

W300 Research Seminar

W363 Feminist Theory

W375 Italian Women Writers from the Middle Ages to the Present

X051 Introduction to Women's Studies

X081 Men and Women in American Society

X091 Honors Introduction to Women's Studies

Division of University Studies

Division of University Studies

Dr. Peter R. Jones, Vice Provost for Undergraduate Studies

Dr. Karen Sofranko, Director, Student Services

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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 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 websites 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 participate in the first-year programs or to use the services of the Academic Resource Center.

Academic advisors are important sources of information on University policies and procedures, the Core 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.

Students are strongly encouraged to meet regularly with academic advisors to discuss academic plans, course selection, and registration. Students not eligible for on-line or telephone 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.

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.

Services Provided through the Advising Office:

- Print and on-line 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 on-line newsletter with information about upcoming programs and events
- Workshops on academic planning and study skills
- Events showcasing different majors
- 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 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 standing to remain enrolled in the Division.

Academic Policies and 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 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.

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 need 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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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 which 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 on-line 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.

University Studies does not grant degrees and students cannot graduate with an “undeclared” or a “pre-health professions” curriculum designation.

Upon declaring a major, students are required to fulfill the school/college and department requirements of that program. Because majors can stipulate particular courses they want their students to take in a Core area, a student who has already met a Core requirement with another course may still be required to take the course designated by the major.

Suggested First-Year Program for the Undecided Student

(This sample program allows students to satisfy University Core requirements while exploring academic interests and majors.)

Year 1 – Fall				
Department	Course #	Course Name	Hours	RCI
English	C050 or C051 or R050	Composition (Depends on placement exam; some students may be required to take English 0040 or 0041)	3	CO
Core: QA		Select an appropriate Core course as indicated. (Depends on placement exam and potential choice of major.)	3	QA
Core: IN		Select an appropriate Core course as indicated. (Consider potential choice of major.)	3	IN
Core: AC		Select an appropriate Core course as indicated. (Consider potential choice of major.)	3	AC
Foreign Language		<i>or</i> Students with language background are encouraged to continue their language studies. (Depends on placement exam and potential choice of school/college and/or major.)	3-4	LA/LB
Freshman Seminar	0051	Freshman Seminar	1	
Total			13 -14	

(Note: In the fall semester, many of these classes are available in a learning community. Entering students, particularly freshmen, are encouraged to enroll in a community. See "Learning Communities and Freshman Seminars" for more information or visit www.temple.edu/lc.)

Year 1 – Spring				
Department	Course #	Course Name	Hours	RCI
Core: IH	X051	Intellectual Heritage I (Note: Non-native speakers can opt for an ESL version of this course)	3	IA
Core: QB (2nd course sequence)		Select an appropriate Core course as indicated. (Depends on placement exam, choice of QA and potential choice of major.)	3-4	QB
Core: AR		Select an appropriate Core course as indicated. (Consider potential choice of major.)	3	AR
Core: IS		Select an appropriate Core course as indicated. (Consider potential choice of major.)	3	IS
Core: LA/LB		<i>or</i> Select an appropriate Core course as indicated. (Consider potential choice of major.) Students with language background are encouraged to continue their language studies.	3-4	LA/LB
Core or Major Exploration		Select an appropriate Core course as indicated. (Consider potential choice of major.) Review your DARS document.	3	
Total			15-17	

Recommended Sequence of Courses and Prerequisites for Pre-Nursing Students:

Freshman Year – Fall Semester				
Department	Course #	Course Name	Hours	RCI
CHEM	C061	Introduction to Chemistry I	3	SA
CHEM	C063	Introduction to Chemistry Lab I	1	SA
Eng	C050	College Composition	3	CO
Math	C073	Intermediate Algebra	3	QA
Soc	C050	Introduction to Sociology	3	IN
LA/IS	Core	International Studies/Foreign Language*	3	IS
Total			16	

* One International Studies course must be non-Western or Third World

Freshman Year – Spring Semester				
Department	Course #	Course Name	Hours	RCI

Kines	C100	Human Anatomy & Physiology I	4	SA
Chem	C062	Introduction to Chemistry II	3	SB
Chem	C064	Introduction to Chemistry Lab II	1	SB
IH	X051	Intellectual Heritage I	3	IA
Psych	C060	Psychology as a Social Science ^	3	IN
Total			14	
^Prerequisite for Psychology 0200 (Developmental Psychology)				

Sophomore Year – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Kines	C101	Human Anatomy & Physiology II ^^	4	SB
Psych	0200	Developmental Psychology	3	
AR	Core	Arts	3	AR
Soc/Psych	C067 or C201	Social or Psych Statistics/Statistical Methods in Sociology	3/4	QB
IH	X052	Intellectual Heritage II	3	IB
Total			16-17	
^^Prerequisite for Nursing 0110 (Microbiology)				

Sophomore Year – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Nursing	0110	Microbiology	4	
Biology	C084	General Biology II	4	SB
AC	Core	American Culture/Race	3	AC
LB/IS	Core	International Studies/Foreign Language*	3	IS
		Nutrition (PH 0104 or Nur 0111)	3	
Total			17	
* One International Studies course must be non-Western or Third World				

Recommended Sequence of Courses and Prerequisites for Pre-Health Information Management Students:

Freshman Year – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Eng	C050	College Composition	3	CO
Math	C055	College Mathematics	3	QA
IN	Core		3	
LA/IS	Core *		3-4	
Total			12-13	
* One International Studies course must be non-Western or Third World				

Freshman Year – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Kines	C100	Human Anatomy and Physiology I	4	SA
IH	X051	Intellectual Heritage I	3	IA
LB/IS	Core *		3-4	
AC	Core		3	
RS	Core		3	
Total			16-17	
* One International Studies course must be non-Western or Third World				

Sophomore Year – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Kines	C101	Human Anatomy and Physiology II	4	SB
Math	C067	Elements of Statistics	3	QB
Psych	C067	Foundations in Statistical Methods		
Stat	C021	Statistical Methods and Concepts		
IH	X052	Intellectual Heritage II	3	IB

AR	Core		3	
General Elective			3	
Total			16	

Sophomore Year – Spring Semester

Department	Course #	Course Name	Hours	RCI
CIS	C055	Computers & Applications	4	SB
English **	W104	Writing for Business & Industry	3	WI
HIM ***	0101	Medical Terminology	3	
General elective			3	
Total			13	

** A recommended writing-intensive elective

*** A recommended but **not required** elective

CORE Legend

Arts (AR), American Culture (AC), Studies in Race (RS), Language A/International Studies (LA/IS), Language B/International Studies (LB/IS), Quantitative Reasoning A (QA), Quantitative Reasoning B (QB), Individual & Society (IN), Science & Technology A (SA), Science & Technology B (SB), Writing Intensive (WI), Intellectual Heritage (IA/IB).

Programs of Study - 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.

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.

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 [Class 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 	<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

- (including Podiatry)
- J -- Temple University Japan
- M -- Main
- P -- Harrisburg, PA
- SJU* -- St. Joseph's University
- TY -- Tyler School of Art
- UPenn -- University of Pennsylvania
- W -- Fort Washington through Ambler Campus

*R.O.T.C. only

Key for Schools and Colleges

- AM -- Ambler College
- FSBM -- Fox School of Business and Management
- CE -- College of Engineering
- CT -- School of Communications and Theater
- DENT -- 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 and Department of Dance
- PM -- School of Podiatric Medicine
- PHARM -- School of Pharmacy
- SA -- School of Social Administration
- ST -- College of Science and Technology
- STHM -- School of Tourism and Hospitality Management
- TY -- Tyler School of Art
- US -- University Studies

- 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.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
- B.S.N. -- Bachelor of Science in Nursing
- B.S.W. -- Bachelor of Social Work
- 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.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

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, W
Accounting & Financial Management			M.S.		FSBM	CC
Actuarial Science	B.B.A.		M.S.		FSBM	M
Adult & Organizational Development			Ed.M.		ED	M

Advertising	B.A.				CT	M
-- Creative Copywriting		Conc.			CT	
-- Account Management		Conc.			CT	
-- Creative Art Direction		Conc.			CT	
-- Research		Conc.			CT	
African American Studies	B.A.	Minor	M.A., Ph.D.		LA	M
American Culture & Media Arts	B.A.	Minor			LA/CT	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, A
-- Human Biology		Track			LA	A
-- Urban Studies				Ph.D. Conc.	LA	
-- Visual Anthropology		Track, Minor			LA	M
Applied Communications	B.A.		M.A.		ED	M
Architecture	B.Ar., B.S.Ar.				TY	M
Art	B.A.	Minor			TY	M
-- Digital Media		Conc., Minor			TY	J
-- Studio Art	B.A.	Conc., Minor			TY	J
-- Visual Studies		Conc.			TY	TY
-- Ceramics/Glass	B.F.A.	w/TC	M.F.A.		TY	TY
-- Fibers/Fabric Design	B.F.A.	w/TC	M.F.A.		TY	TY
-- Graphic & Interactive Design	B.F.A.	w/TC	M.F.A.		TY	TY
-- Jewelry/Metals/ CAD-CAM	B.F.A.	w/TC	M.F.A.		TY	TY
-- Painting/Drawing	B.F.A.	w/TC	M.F.A.		TY	TY
-- Photography	B.F.A.	w/TC	M.F.A.		TY	TY
-- Printmaking	B.F.A.	w/TC	M.F.A.		TY	TY
-- Sculpture	B.F.A.	w/TC	M.F.A.		TY	TY
Art Education	B.S.Ed.		Ed.M.		TY	M (TY-Grad Ed.M.)
Art History	B.A.		M.A., Ph.D.		TY	M
Asian Studies	B.A.	Minor			LA	M, J
-- Asian Business & Society		Cert.		Cert.	FSBM/LA	M, J
Biochemistry	B.A., B.S.				ST	M
Biochemistry			M.S., Ph.D.		MED	HS
Bioengineering			M.S.		CE	M
Biology	B.A., B.S.		M.S., Ph.D.		ST	M
-- Neuroscience		Conc.	Ph.D.		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.		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 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	
-- Marketing 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				Ph.D. Conc.	FSBM	
<u>Business Management</u>	B.B.A.	Minor			FSBM	M, A, CC
-- Business		Minor			FSBM	M, A
-- Business Basics		Cert.			FSBM	
-- Business Plus		Cert.			FSBM	
-- <u>Economics</u>		Conc.			FSBM	
-- <u>Employee Benefits</u>		Conc.			FSBM	
-- <u>Finance</u>		Conc.			FSBM	
-- General Business Studies		Minor			FSBM	M, A
-- <u>Healthcare Management</u>		Conc.			FSBM	
-- <u>Legal Studies</u>		Conc.			FSBM	
-- <u>Marketing</u>		Conc.			FSBM	
-- <u>Property Liability</u>		Conc.			FSBM	
-- <u>Real Estate</u>		Conc.			FSBM	
<u>Career & Technical Education</u>	B.S.Ed.	Cert.		M.S.Ed. Conc.	ED	M
-- <u>Business Education</u>		Conc.		Cert.	ED	M
-- <u>Cooperative Education</u>		Cert.			ED	M
-- <u>Industrial Education</u>		Conc.		Cert.	ED	M
-- <u>Marketing Education</u>		Conc.		Cert.	ED	M
Cell Biology			M.S.		MED	HS
-- Business				M.S. Cert	MED	HS
<u>Chemistry</u>	B.A., B.S., B.A./M.A. (5yr.)		M.A., Ph.D.		ST	M
<u>Chinese</u>		Cert.			LA	M
<u>Civil & Construction Engineering Technology</u>	B.S.E.T.				CE	M
<u>Civil Engineering</u>	B.S.C.E.		M.S.E.		CE	M
<u>Communications</u>	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 Health Education			M.P.H.		HP	M
Community & Regional Planning	B.S.		M.S.		AM	A
Computer & Information Sciences	B.A., B.S.	Minor	M.S., Ph.D.		ST	M
Computer and Information Sciences, Fox School of Business & Management, see Management Information Systems						
Counseling Psychology			Ph.D., Ed.M.		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)			Ed.D., M.S.Ed.		ED	M, A
-- Applied Behavioral Analysis				M.S.Ed. Conc.	ED	M
-- Career & Technical Education				M.S.Ed. Conc.	ED	M, A
-- Early Childhood Education				M.S.Ed. Conc.	ED	M, A, BC
-- Elementary Education				M.S.Ed. Conc.	ED	M, A, BC
-- English Education				M.S.Ed. Conc.	ED	M, A, BC
-- Language Arts				Ed.D. Conc.	ED	M, TUJ
-- Mathematics Education				M.S.Ed. Conc.	ED	M
-- Mathematics & Science Education				Ed.D. Conc.	ED	M
-- Second & Foreign Language Education				M.S.Ed. Conc.	ED	M
-- Special Education (Inclusive School Practices)				M.S.Ed. Conc.	ED	M, A
-- 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
E-Marketing	B.B.A.				FSBM	M
Economics	B.B.A.		M.A., Ph.D.		FSBM	M, A, CC
Economics	B.A.	Minor			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 Technologies			Ed.M.		ED	M
Electrical Engineering	B.S.E.E.		M.S.E.	Cert.	CE	M, W
-- Bioengineering		Conc.			CE	M
-- Computer Engineering		Conc.		Cert.	CE	M, W
-- Digital Data Communication				Cert.	CE	M, W
-- Digital VLSI Design				Cert.	CE	M, W
-- Signal Processing				Cert.	CE	M, W
-- Systems Engineering				Cert.	CE	M, W
Elementary Education	B.S.Ed.				ED	M, A, BC
-- Early Childhood Education		Conc.			ED	M, A
-- Middle School Education		Conc.			ED	M
-- Special Education		Conc.			ED	M, A, BC
Engineering			Ph.D.		CE	M
Engineering Technology	B.S.E.T.				CE	M
-- Computer Technology		Track			CE	M
-- Construction Technology		Track			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
-- Creative Writing			M.A.		LA	M
-- Writing		Cert.			LA	M
Entrepreneurship	B.B.A.	Minor			FSBM	M
Environmental Health			M.S.		HP	M
Environmental Studies	B.A., B.S.	Minor			LA/ST	M, A
Epidemiology			M.S.		HP	
Executive MBA Program			M.B.A.		FSBM	M
Film & Media Arts	B.A.		M.F.A.		CT	M
Finance	B.B.A.		M.S.		FSBM	M, W, CC
Financial Engineering			M.S.		FSBM	M
French	B.A.	Minor, Cert.			LA	M
General Studies Program	A.A., B.A.				LA	J
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.		M.S.		ST	M
German	B.A.	Minor, Cert.			LA	M

Gerontology		Cert.			SA	M
Graduate Certificate Program			Ed.M.		ED	M, P
Graduate Tax			L.L.M.		LAW	M
Greek & Roman Classics	B.A.	Minor			LA	M
-- Ancient Mediterranean Studies		Minor			LA	M

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 / 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				Conc.	HP	M
-- Therapeutic Recreation				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		Cert.			AM	A
-- General		Cert.			AM	A
-- Landscape Plants		Cert.			AM	A
Human Resource Management	B.B.A.		M.S.		FSBM	M, A, W, CC
-- People First		Cert.			FSBM	M, A, CC
Information Science & Technology	B.A., B.S.	Minor			ST	M
Information Technology Management			M.B.A./M.S.		FSBM	M
Interdisciplinary Studies	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
-- Accounting		Conc.			FSBM	
-- Actuarial Science		Conc.			FSBM	
-- Economics		Conc.			FSBM	
-- E-Marketing		Conc.			FSBM	
-- Entrepreneurship		Conc.			FSBM	
-- Finance		Conc.		Conc.	FSBM	
-- General &				Conc.	FSBM	

Strategic Management						
-- Human Resource Management		Conc.		Conc.	FSBM	
-- Legal Studies		Conc.			FSBM	
-- Marketing		Conc.			FSBM	
-- Management Information Systems		Conc.			FSBM	
-- Real Estate		Conc.			FSBM	
-- Risk Management & Insurance		Conc.		Conc.	FSBM	
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.		Ed.M., Ph.D.		HP	M
-- Athletic Training		Conc.			HP	
-- Exercise & Sport Science		Conc.			HP	
-- Pre-Health Professional Program		Conc.			HP	
-- Teacher Education (PHETE)		Conc.			HP	
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
Law & Business	B.B.A.		J.D./M.B.A. (Dual)		FSBM/LAW	M, CC
Law - Trial Advocacy			L.L.M.		LAW	M
Lesbian, Gay, Bisexual & Transgender Studies (LGBT)		Minor			LA	M, A, CC
Liberal Arts			M.L.A.		LA	M, J
Linguistics	B.A.		M.A.		HP	M
Management Information System	B.B.A.	Minor	M.S.	Ph.D. Conc.	FSBM	M, CC
Marketing	B.B.A.		M.S.		FSBM	M, A, W, 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., B.A./M.A.		ST	M

-- 5 year M.A.			B.A./M.A., B.S./M.A.		ST/CE	M
Mathematics & Physics	B.S.				ST	M
Mechanical Engineering	B.S.M.E.		M.S.E.		CE	M
Medicine			M.D., Ph.D./M.D.		MED	HS
Microbiology & Immunology			M.S., Ph.D.		MED	HS
Military Sciences						
-- Army ROTC						M*
-- Air Force ROTC						SJU*
-- Navy ROTC						UPenn*
Molecular Biology/Genetics			Ph.D.		MED	HS
Music, Non-Performing	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/ Jazz Studies Component		Conc.			MU	M
-- Instrumental/ Music Technology Component		Conc.			MU	M
-- Piano		Conc.			MU	M
-- Piano/Jazz Studies Component		Conc.			MU	M
-- Voice		Conc.			MU	M
-- Voice/Jazz Studies Component		Conc.			MU	M
Music History	B.M.		M.M.		MU	M
Music	B.M.				MU	M
-- Jazz Studies						
-- 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
-- Piano Pedagogy	B.M.		M.M.		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
-- Jazz, Guitar		Conc.			MU	M
-- Jazz, Piano		Conc.			MU	M
-- Jazz, Voice		Conc.			MU	M
-- Piano		Conc.			MU	M
-- Voice		Conc.			MU	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.		HP	HS
Opera			M.M.		MU	M

Program Name	Baccalaureate	Minor, Conc., Cert., Track	Post-Baccalaureate	Post-Baccalaureate Minor, Conc., Cert.	College	Campus
Pathology			Ph.D.		MED	HS
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., Ph.D. Conc.	PHARM	W
-- Pharmacodynamics				M.S. Conc.	PHARM	
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
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
Physiology			M.S., Ph.D.		MED	HS
Podiatric Medicine			D.P.M.		PM	HS
-- Podiatric Medicine and Surgery				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				
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			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
Religion	B.A.	Minor	M.A., Ph.D.		LA	M, J
Risk, Insurance & Healthcare Management				Ph.D. Conc.	FSBM	
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., Ph.D.		ED	M
Secondary Education	B.S.Ed.				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.		M.S.W.		SA	M, A, P
-- Child & Family Services		Cert.			SA	M
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, A
Speech, Language, Hearing	B.S.		M.A.		HP	M
Sport & Recreation			Ed.M.		STHM	M

Administration						
Sport & Recreation Management	B.S.				STHM	M
-- E-Tourism		Cert.			STHM	
-- 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
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		Track	M.F.A.		CT	M
-- Design		Track	M.F.A.		CT	M
-- Directing		Track	M.F.A.		CT	M
-- Playwriting		Track	M.F.A.		CT	M
Therapeutic Recreation	B.S.		Ed.M.		HP	M
Tourism				Ph.D. Conc.	FSBM	M
Tourism & Hospitality Management	B.S.		M.T.H.M.		STHM	M, CC
-- E-Tourism		Cert.			STHM	
-- Geography of Sports, Recreation & Tourism Planning		Cert.				
-- Geography of Tourism		Cert.			LA	M
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

*Cooperative Programs among Temple University, St. Joseph's University and the University of Pennsylvania

Intercollegial Programs

Goals and Objectives

Intercollegial programs at Temple 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

Stephanie Smith
Director of Academic Advising
College of Liberal Arts
215-204-8115
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Phi Beta Kappa, the nation's oldest and most prestigious honor society, was founded on December 5, 1776, at the College of William and Mary. Since then, Phi Beta Kappa has evolved to become the nation's leading advocate for the liberal arts and sciences at the undergraduate level.

Temple University's chapter was founded in 1974.

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 Art History majors. 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.

American Culture and Media Arts

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The American Culture and Media Arts major is a response to the fact that mediated culture – film, television, radio, photography, print journalism – has come to dominate the experience of Americans, while, at the same time, American values and traditions inform our creation and reception of the media. Students pursue coursework in American Studies and other CLA programs, with the addition of certain courses from the School of Communications. Majors are encouraged to sign up for an internship at one of any number of media-related industries and museums in the Philadelphia area, designed to give students practical experience. The capstone requirement is usually satisfied by the Senior Seminar in American Studies.

Students graduating with the American Culture and Media Arts degree can expect to pursue careers in media-related organizations, e.g., film, video, and radio production; archival and library positions, particularly in media institutions; public relations jobs in media; museum research positions supporting exhibitions and media; and writing about media for publications. Graduates can also pursue advance training at the graduate level in documentary film production. American Culture and Media Arts is administered by the American Studies Program and is part of the Center for Interdisciplinary Studies.

Requirements for the Major

36 credits are required for the major.

Department	Course #	Course Name	Hours	RCI
<i>Select one of these two:</i>			3	
Film & Media Arts Journalism	0102 C055	Production of Media Culture Introduction to Mass Media		IN
<i>Select five courses from this list (SCT):</i>			15-20	
Film & Media Arts	0155	Introduction to Film and Video Analysis		
Film & Media Arts	0202	Production Research and Development		
Film & Media Arts	0203	Theory and Practice of Media Culture		
Film & Media Arts	W360	History of Documentary		WI
Film & Media Arts	W368	History of Narrative Film		WI
Film & Media Arts	0055	Intro to Advertising		
Film & Media Arts	0222	Intro to Magazines		
Film & Media Arts	0320	Race and Racism in the News		
Film & Media Arts	0335	History of Journalism		
Film & Media Arts	0352	Gender and American Mass Media		
Advertising				

Journalism				
Journalism				
Journalism				
Journalism				
<i>Select five courses from this list (American Studies):</i>			15	
American Studies	0102	Technology and American Culture		
American Studies	0103	American Places: Home, City, Region		
American Studies	0104	The Arts in America		
American Studies	0105	Ideal America: Reform, Revolution and Utopia		
American Studies	0108	Immigrant Experiences in America		
American Studies	R112	African American Experiences		RS
American Studies	W118	The American Woman: Vision and Revision		WI
American Studies	0124	Political Protest and Culture in the 60s		
American Studies	0125	Photography in America		
American Studies	0126	Documentary Film and American Society		
American Studies	0127	Mass Media and Amer. Pop Culture		
American Studies	0128	Philadelphia Neighborhoods		
American Studies	R136	Asian American Experience		RS
American Studies	W140	Radicalism in the U.S.		WI
Capstone Course (<i>select one from list below</i>): <i>Majors sign up, in their senior year, for either an academic thesis project or an internship at a media-related industry or museum in the Philadelphia area.</i>			3-4	
American Studies	W393	Senior Seminar in American Studies	3	WI*
Film & Media	0380	Senior Media Culture Thesis I (Writing Capstone)	4	
Arts	0391	Special Projects I	4	
Journalism				
Total			36-42	
* Indicates Writing Capstone for the Major				

Environmental Studies

Dr. Robert Mason, Director
330 Gladfelter Hall
215-204-5918

envtstud@temple.edu

www.temple.edu/env-stud

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.

Offered jointly by the College of Liberal Arts and College of Science and Technology, Environmental Studies includes both B.A. and B.S. options. A minor also is offered.

B.A. Requirements

Department	Course #	Course Name	Hours	RCI
Prerequisite Courses				
Math	C055	College Mathematics	3	QA
Geology	C050	Introduction to Geology	4	SA
Economics	C051 or H091	Macroeconomic Principles or Honors Macro. Principles	3	IN
Economics	C052 or H092	Microeconomic Principles or Honors Micro. Principles	3	IN
Required Courses				
Env. St./GUS	C050 or H090	Environment & Society	3	IN
Biology	C083	General Biology I	4	SA
Biology	C084	General Biology II	4	SB
Geology	C081	Environmental Resources	4	SB
Env. St./GUS	C052	<i>or</i> Introduction to the Physical Environment		

Math	C067	Elements of Statistics <i>or</i>	3	QB
Statistics	C021	Statistical Methods and Concepts		
Economics	W255	Energy, Ecology, & Economy	3	WI
Envt. Studies	W300	Senior Research Seminar	3	WI
Elective Courses		In addition to the required courses and their prerequisites, B.A. majors must take five (5) courses from the list of approved electives. One of these courses must be a policy course and one must be from the natural sciences.	15-20	

B.S. Requirements

Department	Course #	Course Name	Hours	RCI
Prerequisite Courses				
Geology	C050	Introduction to Geology	4	SA
Chemistry	C071/C073	General Chemistry I with Lab <i>or</i>	4	SA
Chemistry	C081/C083	General Chemical Science I with Lab <i>or</i>		
Chemistry	H091/H093	Honors General Science I with Lab		
Chemistry	C072/C074	General Chemistry II with Lab <i>or</i>	4	SB
Chemistry	C082/C084	General Chemical Science II with Lab <i>or</i>		
Chemistry	H092/H094	Honors General Chemical Science II with Lab		
Chemistry	0121/0123	Organic Chemistry I with Lab	4	
Economics	C052 or H092	Microeconomic Principles	3	IN
Calculus Requirement				
Math	C085 or H095	Calculus I	4	QB
Math	0086 or H096	Calculus II	4	
Required Courses				
Envt. St./GUS	C050/H090	Environment & Society	3	IN
Biology	0101/H101	Introduction to Biology	4	
Biology	0102/H102	Introduction to Biology	4	
Biology	0227	Principles of Ecology	4	
Geology	0210	Introduction to Hydrology	4	
Envt. Studies	C052	Introduction to the Physical Environment	4	SB
Statistics	C021	Statistical Methods & Concepts <i>or</i>	3	QB
Math	0133	Probability and Statistics		
Economics	W255	Energy, Ecology, & Economy	3	WI
Envt. Stud/GUS	W300	Senior Research Seminar	3	WI
Elective Courses		In addition to the required courses and their prerequisites, B.S. majors must take four (4) courses from the list of approved electives. One of these courses must be a policy course and an additional one must be from the social sciences. Because Biology 0227 and Geology 0210 are required for the B.S., they cannot be double-counted as electives.	12-16	

Requirements for the Minor

Department	Course #	Course Name	Hours	RCI
Envt. St./GUS	C050	Environment & Society	3	IN
One of the following (plus any required prerequisites):			3-4	
Biology	0227	Principles of Ecology <i>or</i>		
Geology	0210	Intro to Hydrology <i>or</i>		

Envt. St./GUS	0262	Fundamentals of Geographic Information Systems		
Economics	W255	<i>or</i> Energy, Ecology, and Economy		WI
Policy Elective		One policy course from list of approved electives.	3	
Environmental Studies Electives		Select three additional topics courses from the approved list	9	

List of Environmental Studies Electives

Department	Course #	Course Name
Policy		
Community & Regional Planning	0250	Planning Policy and Law
Envt. St./Anthropology	0205	Heritage Management in Archaeology
Economics	0246	Public Finance
Economics	0248	Economics of State & Local Government
Economics	0281	Government Regulation of Business
Envt. Engineering Tech.	0316	Environmental Regulations
Environmental Studies	0225	Environmental Law and Regulation
Envt. St./GUS	0250	Environmental Policy Issues
Envt. St./Political Science	0152	U.S. Environmental Policy
Envt. St./Political Science	0265	International Environmental Policy
Topics		
Envt. St./Anthropology	0220	Environmental Physiology
Envt. St./Anthropology	0317	Seminar in Environmental Archaeology
Envt. St./Anthropology	0320	Field Session in Archaeology
Envt. St./Anthropology	0321	Methods in Archaeology (Sediments, Soil, & Stratigraphy)
Envt. St./Anthropology	0325	Biocultural Adaptions in Human Populations
Biology	0227	Principles of Ecology
Biology	0236	Freshwater Ecology
Biology	0237	Marine Environments I
Biology	0238	Marine Environments II
Biology	0245	Marine Ecology
Biology	0316	Tropical Marine Biology: Coral Reef Biology in Tropical Belize
Botany	0102	Plant Ecology
Community & Regional Planning	0100	History and Practice of Community & Regional Planning
Community & Regional Planning	0203	Urban Form and Design
Community & Regional Planning	0205	Environmental Planning
Community & Regional Planning	0223	Sustainable Community Design and Development
Community & Regional Planning	0262	Fundamentals of Geographic Information Systems
Envt. Engineering Tech.	W312	Industrial Hygiene and Safety
Environmental Studies	0280	Special Topics in Environmental Studies.
Environmental Studies	0290	Internship – Environmental Studies
Environmental Studies	0295	Independent Study – Environmental Studies
Envt. St./GUS	0150	The Urban Environment
Envt. St./GUS	0156	Environment and Development
Envt. St./GUS	0215	Geographic Basis of Land Use Planning
Envt. St./GUS/Asian St.	0238	Environmental Problems in Asia
Envt. St./GUS	0239	Medical Geography
Envt. St./GUS	0254	Energy, Resources, and Conservation
Envt. St./GUS	0256	Political Ecology
Envt. St./GUS	0257	Hazards Geography
Envt. St./GUS	0262	Fundamentals of Geographic Information Systems
Geology	0210	Introduction to Hydrology

Geology	0211	Facies Models
Geology	0261	Introduction to Geochemistry
Geology	0310	Microcomputers in Geology
Geology	W381/H391	Environmental Seminar
Envt. St./History	0177	U.S. Environmental History
Horticulture	C236	Soils
Horticulture	0310	Landscape Management and Restoration
Horticulture	0317/0318	Sustainable Food Crops I/II
Journalism	0350	Environmental Reporting
Landscape Architecture	0208	Land Planning Studio
Landscape Architecture	0210	Summer Field Ecology
Law and Business	X093	Tobacco in America : From Pocahontas to Virginia Slim
Envt. St./Philosophy	W156	Philosophical Perspectives on the Environment
Religion	0304	Earth Ethics
Statistics	0278	Statistics for Experiments

Mathematical Economics

Dr. William J. Stull, Chair, Economics
Dr. Dimitrios Diamantaras, Advisor, Department of Economics
Ritter Annex 623
215-204-8169
dimitrios.diamantaras@temple.edu

or

Dr. Omar Hijab, Chair, Mathematics
Dr. Boris A. Datskovsky, Advisor, Department of Mathematics
Wachman Hall 632
215-204-7847
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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.

Department	Course #	Course Name	Hours	RCI
Mathematics	C085	Calculus I	4	QB
	H095	Honors Calculus I	4	QB
Mathematics	0086	Calculus II	4	
	H096	Honors Calculus II	4	
Mathematics	0127	Calculus III	4	
Mathematics	0147	Linear Algebra	3	
Mathematics	0233	Introduction to Probability Theory	3	
Mathematics	0234	Introduction to Mathematical Stat.	3	
Mathematics	0253	Numerical Analysis I	4	
Mathematics	0200+	Three Math courses 200 or higher ¹	9	
		Two Math courses 200 or higher and Math W141 ²		
CIS	C061	Programming in Matlab	4	QB
	0067	Program Design and Abstraction	4	
	0068	Data Structures	4	

	C071	Computer Programming in C	4	QB
Economics	C052	Microeconomic Principles	3	IN
Economics	0201	Intermediate Microeconomic Analysis	3	
Economics	0202	Intermediate Macroeconomic Analysis	3	
Economics	0240	Mathematical Economics	3	
	0203	<i>or</i> Economics of Risk and Uncertainty	3	
	0510	<i>or</i> Math for Economics I	3	
Economics	0241	Introduction to Econometrics	3	
Economics	W302	Economics Writing Seminar	3	WI*
Economics	0200+	Two Economics courses 200 or higher ¹ , by permission of advisor	6	
Subtotal			62	
1 Mathematics 0227 and Economics 0283 cannot both be counted toward the major.				
2 Math W141 must be taken prior to Math 0247 or Math W205.				
All courses must be passed with a grade of C- or better.				

Political Economy

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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	C051 or H091	Macroeconomic Principles	3	IN
Econ	C052 or H092	Microeconomic Principles	3	IN
Pol Sci	C051 or H091	The American Political System	3	AC
<i>And one of the following:</i>				
Pol Sci	C052 or H092	Foreign Governments and Politics	3	IS
Pol Sci	C053 or H093	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	0217	History of Economic Theory		
Econ	0220	Economics of Development and Growth		
Econ	0244	The Economics and Management of Privatization		
Econ	0246	Public Finance		
Econ	0248	Economics of State and Local Governments		
Econ	0250	International Trade		
Econ	0251	International Monetary Economics		
Econ	0255 (or W255)	Energy, Ecology, and Economy		WI*
Econ	0262 (or W262)	Health Economics		WI*
Econ	0270	Economics of Labor Markets		
Econ	0272	Women in the Economy		
Econ	0279	Public Control of Business: Antitrust		
Econ	0281	Government Regulation of Business		
Econ	0282	Economics of American Industry		
<i>Select two:</i>			6	
Pol Sci	0135 (or W135)	Urban Politics and Problems		WI*
Pol Sci	0141	Politics of Inequality		
Pol Sci	0145	American State and Local Politics		
Pol Sci	0150	U.S. Public Policy Making		
Pol Sci	0151	Public Policy Analysis		
Pol Sci	0152	U.S. Environmental Policy		
Pol Sci	0158	Business and Public Policy		
Pol Sci	0215	Comparative Politics: Developing Nations		
Pol Sci	0238	East Asia and the United States		
Pol Sci	W244	Politics of Modern Capitalism		
Pol Sci	0261	Politics of the Global Economy		
Pol Sci	0265	International Environmental Policy		
Pol Sci	0273	Marxism and Politics		
Pol Sci	0276	Democracy, Capitalism, and Socialism		

A "*" denotes that the second option for courses, those with the prefix "W," are Writing Intensive courses.

AMBLER COLLEGE

Founded 2000

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

See the [Ambler Campus Section](#) of this *Bulletin* for more information on services, facilities, and student life.

Introduction

Temple University Ambler is a campus whose foundation 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 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.*) The 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. 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. The department promotes the development of skills to solve major environmental problems in the urban, suburban, and rural landscape through an ecological approach to planning, design, development, and care of the land. Courses and programs are offered that utilize the 187-acre Ambler campus as both arboretum and living laboratory for the work of 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 sustainable communities by providing students with a broad-based understanding and awareness of multi-dimensional land-use and planning issues.

The Ambler campus (as described elsewhere in the *Bulletin*) continues to be a teaching site for many courses and full degree programs sponsored by other schools and colleges of the 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

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.

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 campus students, Horticulture, Landscape Architecture, and Community and Regional Planning students. 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 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

- **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.
- **Pennsylvania Planning Association (PPA), Southeast Section, Scholarship:** scholarships of \$500 (first place) and \$300 (second place) are available to second semester Planning students through peer competition. In the judgment of PPA professionals, the winners have produced outstanding papers which are applicable to planning practice and issues in the Philadelphia area, contribute to planning practice and innovation, and demonstrate quality writing and presentation. Papers are due by July 30.

Grants and Scholarships for Landscape Architecture and Horticulture Students

Applications for the following are available in the Department of Landscape Architecture and Horticulture office in Dixon Hall:

- **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 Campus 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.
- **Barry and Denise Cyphers Horticulture Scholarship:** \$1,000 renewable award 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:** \$2,000 renewable scholarship awarded annually to a student from Maryland based on financial need.
- **The Jane R. Martin Memorial Scholarship:** awarded to three 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:** \$1,000 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 \$3,000 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.
- **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 \$1,250 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

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

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/la-hort/aboutarboretum.htm

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 an herb garden, ground cover garden, native plant garden, formal gardens, green roof garden, rock wall, woodland garden, wetland garden, trial garden, large perennial borders, a planned winter contemplative garden featuring fragrant plants, and a proposed dwarf conifer 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 campus and the Edinburgh Exchange Program. Applications and scholarship information for the exchange program are

available from the Department of Landscape Architecture and Horticulture. 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:

- **Ambler College Alumni Association 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.
- **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:** 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
West Hall 109
267-468-8200
tuaadv@temple.edu

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
- Academic counseling
- Registration

For Continuing Students:

- Academic counseling
- Career development counseling, workshops, career fair
- Curriculum advising
- Final graduation clearance
- 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

Academic Policies and Regulations

Please see [Academic Policies and 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, 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), NR (Not Reported), 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 (CRP) should consider enrolling in the CRP 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 [Academic Policies and Regulations](#).

General College Graduation Requirements

Please see [Academic Policies and Regulations](#). 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 and Regulations](#).

Courses Inapplicable to Graduation

Credits earned in the following courses are not applicable toward degrees awarded by Ambler College: Military Science (ROTC), ELECT, Russell Conwell Center (SRAP), and Mathematics 0015. For the Department of Landscape Architecture and Horticulture (LAH), Horticulture 0015, 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 Core courses with a C- or higher. In addition, Community and Regional Planning majors must pass every required CRP 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.

Acting Associate Dean for Academic and Student Support Services
Marylou Delizia
West Hall 109
267-468-8247
e-mail: mdelizia@temple.edu

For other contact information, such as Financial Services, Registration, Career Services, and Disability Services, see the [Ambler Campus section](#) of this *Bulletin*.

Community and Regional Planning

Deborah Howe, 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.

This 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 Core courses and in the required courses for the major.

Summary of Requirements for the Degree

1. University requirements

- Math 0045 (3 s.h.) and/or English 0040 (4 s.h.), if required by placement testing.
- University Core Curriculum requirements (40-52 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. Major requirements (minimum of 42 s.h.)

- Fourteen (14) courses are required for the major in Community and Regional Planning (CRP):

Eleven Required Community and Regional Planning Courses

Department	Course #	Course Name	Hours	RCI
CRP	0081	Introduction to Community and Regional Planning	3	
CRP	0100	History and Practice of Community and Regional Planning	3	
CRP	0182	Analytical Methods in Planning	3	
CRP	0201	Planning Communication	3	
CRP	0203	Urban Form and Design	3	
CRP	0205	Environmental Planning	3	
CRP	0250	Planning Policy and Law	3	
CRP	0262	Fundamentals of Geographic Information Systems (offered Spring only)	3	
CRP	0310	Planning Studio	3	
CRP	0325 *	Internship and Professional Practice in Planning	3	
CRP	W350**	Senior CRP Capstone Seminar	3	WI
Subtotal			33	
* To be taken in the Summer between Years 3 and 4 or in Fall of Year 4				
** Indicates Writing Capstone for the Major				

Three Community and Regional Planning Electives

Department	Course #	Course Name	Hours	RCI
CRP	Electives	CRP course at 100-level or higher	9	
Subtotal			9	

Total for Major			42	
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3. Electives (approximately 30-42 s.h)

- Students should consult with their advisor for recommended electives.

Landscape Architecture and Horticulture

Founded 1958

Lolly Tai, Ph.D., R.L.A., F.A.S.L.A., 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 a credit certificate 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 in 1911, the Department, throughout its history, has combined theory with practice. The curriculum is structured to develop the analytic, design, and scientific skills required to plan and manage our environment. Students learn to solve major environmental problems in the

urban, suburban, and rural landscape through an ecological approach to planning, design, development, and care of the land. 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 websites.
- 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. 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 the credit certificate program 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 in 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 0045 (3 s.h.) and/or English 0040 (4 s.h.), if required by placement testing.
- University Core Curriculum requirements (33-44 s.h. plus required courses for the major), 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 (25 s.h.)

- 8 courses are required:
Landscape Architecture 0001, 0011 (formerly 0103); Botany C101, 0102; Horticulture 0107, 0108, C236, and 0310.

3. Horticulture (Hort) major requirements (minimum of 60 s.h.)

- Three (3) Landscape Architecture and Botany courses are required:
Landscape Architecture 0134 (formerly 0054), Botany C203 and 0204
- Nine (9) Horticulture courses are required:
Horticulture 0201, 0202, 0203, 0301, 0311, 0317, 0339, 0340, W395
- Three (3) classes in other departments' courses are required:
Chemistry C061/63 and C062/64; Strategic and Organizational Communication (STOC) 0065; or Adult and Organizational Development (AOD) 0066
- Four (4) Landscape Architecture, Horticulture, or Botany (LA/Hort/Bot) electives are required (minimum 12 s.h.)

4. Electives (approximately 6 s.h.)

Suggested Semester By Semester Plan

Year 1 - Fall				
Department	Course #	Course Name	Hours	RCI
Botany	C101	General Botany	4	SA
Chemistry	C061	Introduction to Chemistry I	3	SA
Chemistry	C063	Introduction to Chemistry Laboratory I	1	SA
English	C050	College Composition	3	CO
Core	Elective	Quantitative Reasoning, First Level	3	QA
LA	0001	Natural and the Built Environment	3	
		Library Orientation (TILT)	0	
Semester Total			17	

Year 1 - Spring				
Department	Course #	Course Name	Hours	RCI
Botany	0102	Plant Ecology	3	
Chemistry	C062	Introduction to Chemistry II	3	SB
Chemistry	C064	Introduction to Chemistry Laboratory II	1	SB
IH	X051	Intellectual Heritage I	3	IA
Core	Elective	Quantitative Reasoning, Second Level	3	QB
Core	Elective	International Studies/Language	3	L/IS
Semester Total			16	

Year 2 - Fall				
Department	Course #	Course Name	Hours	RCI
Hort	0107	Woody Plants I	3	
Hort	0203	Greenhouse Management	3	
IH	X052	Intellectual Heritage II	3	IB
LA	0011(0103)	Graphics Communication	3	
Core	Elective	International Studies/Language	3	L/IS
Semester Total			15	

Year 2 - Spring				
Department	Course #	Course Name	Hours	RCI
Botany	C203	Plant Physiology	4	SB
Hort	0108	Woody Plants II	3	

Hort	C236	Soils	3	SB
Hort	0301	Plant Propagation	3	
LA	0134 (0054)	Design Process	3	
Semester Total			16	

Year 3 - Fall				
Department	Course #	Course Name	Hours	RCI
Hort	0201	Herbaceous Plants I	3	
Hort	0311	Landscape Management	3	
LA/Hort/Bot		Elective	3	
Core	Elective	American Culture	3	AC
Core	Elective	Arts	3	AR
Semester Total			15	

Year 3 - Spring				
Department	Course #	Course Name	Hours	RCI
Hort	0202	Herbaceous Plants II	3	
Hort	0310	Landscape Restoration	3	
Hort	0317	Food Crops I	3	
STOC	0065	Public Speaking	3	
AOD	0066	Interpersonal Communication through the Life Span		
Core	Elective	Individual and Society	3	IN
Semester Total			15	

Year 4 - Fall				
Department	Course #	Course Name	Hours	RCI
Botany	0204	Applied Plant Physiology	3	
Hort	W395*	Senior Seminar	3	WI
Hort	0339	Applied Entomology	3	
LA/Hort/Bot		Elective	3	
Core	Elective	Studies in Race	3	RS
Semester Total			15	
* Indicates Writing Capstone for the major.				

Year 4 - Spring				
Department	Course #	Course Name	Hours	RCI
Hort	0340	Applied Plant Pathology	3	
LA/Hort/Bot		Electives	6	
		Electives	6	
Semester Total			15	

DEGREE TOTAL			124	
Notes: 1.Choosing Writing Intensive course options from Elective "W" and/or Core "X" courses will satisfy the requirement of two elective Writing Intensive courses. 2. Students interested in the Edinburgh Exchange Program, Horticulture 0375, for the Spring of Year 3, should see their faculty advisor for application details.				

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	RCI

Botany	C101	General Botany	4	SA
English	C050	College Composition	3	CO
Hort	0015	Fundamentals of Horticulture	2	
Hort	0107	Woody Plants I	3	
Math	0045	Elementary Algebra	3	
Math	C055	<i>or</i> College Mathematics		QA
Semester Total			15	

Year 1 - Spring				
Department	Course #	Course Name	Hours	RCI
Botany	0102	Plant Ecology	3	
Hort	0108	Woody Plants II	3	
Hort	0317	Food Crops I	3	
LA/Hort/Bot		Electives	6	
Semester Total			15	

Year 2 - Fall				
Department	Course #	Course Name	Hours	RCI
Hort	0201	Herbaceous Plants I	3	
Hort	0203	Greenhouse Management	3	
Hort	0311	Landscape Management	3	
Hort	0339	Applied Entomology	3	
LA/Hort/Bot		Elective	3	
Semester Total			15	

Year 2 - Spring				
Department	Course #	Course Name	Hours	RCI
Hort	0202	Herbaceous Plants II	3	
Hort	C236	Soils	3	SB
Hort	0301	Plant Propagation	3	
Hort	0340	Applied Plant Pathology	3	
LA/Hort/Bot		Elective	3	
Semester Total			15	

DEGREE TOTAL			60	
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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	RCI
English	C050	College Composition	3	CO
Hort	0107	Woody Plants I	3	
Law and Business	C001	Law in Society	3	IN
Math	C055	College Math	3	QA
Economics	C051	Macroeconomic Principles	3	IN
Semester Total			15	

Year 1 - Spring				
Department	Course #	Course Name	Hours	RCI
Accounting	0001	Principles of Accounting I	3	
Botany	0102	Plant Ecology	3	
Hort	0108	Woody Plants II	3	
HRM	0083	Organization and Management	3	
Economics	C052	Microeconomic Principles (recommended)	3	IN
Semester Total			15	

Year 2 - Fall				
Department	Course #	Course Name	Hours	RCI

English	W104	Writing for Business and Industry	3	WI
Hort	0201	Herbaceous Plants I	3	
Hort	0339	Applied Entomology	3	
Marketing	0081	Introduction to Marketing	3	
Hort	Elective	<i>Select one:</i> Hort 0109, Arboriculture Hort 0203, Greenhouse Management Hort 0311, Landscape Management Hort 0352, Nursery Management	3	
Semester Total			15	

Year 2 - Spring				
Department	Course #	Course Name	Hours	RCI
Hort	C236	Soils	3	SB
Hort	0340	Applied Plant Pathology	3	
RMI	0001	Introduction to Risk Management	3	
Hort	Electives	<i>Select two:</i> Hort 0202, Herbaceous Plants II Hort 0310, Landscape Restoration Hort 0354, Turf Management	6	
Semester Total			15	
DEGREE TOTAL			60	

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.

Landscape Plants

This credit certificate provides an intensive learning experience in both woody and herbaceous landscape plants and a brief introduction to other areas of horticulture. 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	RCI
Hort	0015	Fundamentals of Horticulture	2	
Hort	0107	Woody Plants I	3	
Hort	0108	Woody Plants II	3	
Hort	0201	Herbaceous Plants I	3	
Hort	0202	Herbaceous Plants II	3	
Total Credits for the Landscape Plants Certificate			14	

Credit certificates in floral design, horticultural therapy, and other areas are under consideration. See the [Department of Landscape Architecture and Horticulture](#) website for the latest information.

Landscape Architecture

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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 130 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 0045 (3 s.h.) and/or English 0040 (4 s.h.), if required by placement testing
- University Core Curriculum requirements (30-40 s.h. plus required courses for the major) 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 requirements (25 s.h.)

- Eight (8) courses are required:
Landscape Architecture 0001, 0011 (formerly 0103); Botany C101, 0102; Horticulture 0107, 0108, C236 and 0310.

3. Landscape Architecture (LA) Major requirements (minimum of 66 s.h.)

Note: The former number of the course is in parentheses. New numbers for Year 4 will be used starting in 2006-07.

- Nine (9) Landscape Architecture courses are required (27 s.h.):
LA 0022 (0152), 0032 (0104), 0052, 0151 (0108), 0152 (0309), W241 (W318), 0251 (0310), 0271 (0305), 0362 (0323)
- Six (6) Landscape Architecture studios are required (36 s.h.):
LA 0131 (0207), 0132 (0208), 0231 (0311), 0232 (0312), 0331 (0392), W332 (W393)
- One (1) Landscape Architecture, Horticulture, or Botany (LA/Hort/Bot) elective is required (minimum of 3 s.h.)

4. Electives (approximately 9 s.h.)

Suggested Semester By Semester Plan

Year 1 – Fall				
Department	Course #	Course Name	Hours	RCI
LA	0001	Natural and the Built Environment	3	
LA	0011 (0103)	Graphics Communication	3	
Botany	C101	General Botany	4	SA
English	C050	College Composition	3	CO
Core	Elective	Quantitative Reasoning, First-level	3	QA
		Library Orientation (TILT)	0	
Semester Total			16	

Year 1 – Spring				
Department	Course #	Course Name	Hours	RCI
LA	0022 (0152)	Introduction to CAD	3	
LA	0032 (0104)	Design Fundamentals	3	
LA	0052	Surveying	3	
Botany	0102	Plant Ecology	3	
Core	Elective	Quantitative Reasoning, Second-level	3	QB
Semester Total			15	

Year 2 – Fall				
Department	Course #	Course Name	Hours	RCI
LA	0131 (0207)	LA Design Studio I (formerly Site Planning)	6	
LA	0151 (0108)	Landscape Engineering I	3	
Hort	0107	Woody Plants I	3	
IH	X051	Intellectual Heritage I	3	IA
Core	Elective	Individual and Society	3	IN
Semester Total			18	

Year 2 – Spring				
Department	Course #	Course Name	Hours	RCI
LA	0132 (0208)	LA Design Studio II (formerly Site Planning)	6	

LA	0152 (0309)	Landscape Engineering II	3	
Hort	0108	Woody Plants II	3	
Hort	C236	Soils	3	SB
Semester Total			15	

Year 3 – Fall				
Department	Course #	Course Name	Hours	RCI
LA	0231 (0311)	LA Design Studio III (formerly Park Design)	6	
LA	0251 (0310)	Landscape Engineering III	3	
LA	0271 (0305)	Planting Design	3	
LA	W241 (W318)	Landscape Traditions	3	WI
Core		Studies in Race	3	RS
Semester Total			18	

Year 3 – Spring (Ambler Option or Edinburgh Exchange Option)

Ambler Option				
Department	Course #	Course Name	Hours	RCI
LA	0232 (0312)	LA Design Studio IV: Design/Build	6	
Core	Elective	American Culture	3	AC
IH	X052	Intellectual Heritage II	3	IB
	Elective	Writing Intensive Course (W or X)	3	WI
Semester Total			15	

Edinburgh Exchange Program Option

LA	0375	Edinburgh Exchange Program (Note: Consult with the faculty in the Department of Landscape Architecture and Horticulture for application details.)	12-18	
Semester Total			12-18	

Year 4 – Fall (Ambler or Rome Option)

Ambler Option				
Department	Course #	Course Name	Hours	RCI
LA	0331 (0392)	LA Design Studio V: Fall Senior Studio	6	
LA/Hort/Bot	Elective		3	
Core	Elective	Arts	3	AR
Core	Elective	International Studies/Language	3	L/IS
	Elective		3	
Semester Total			18	
Rome Option				
Department	Course #	Course Name	Hours	RCI
LA	0331 (0392)	LA Design Studio V: Fall Senior Studio	6	
Core	Elective	Arts	3	AR
	Electives		9	
Semester Total			18	

Year 4 – Spring				
Department	Course #	Course Name	Hours	RCI
LA	W332* (W393*)	LA Design Studio VI: Spring Senior Studio	6	WI
LA	0362 (0323)	Professional Practice	3	
Hort	0310	Landscape Restoration	3	
Core	Elective	International Studies/Language (Note: Rome students take an LA, Hort, or Botany elective instead)	3	L/IS
Semester Total			15	

DEGREE TOTAL		130	
* Indicates Writing Capstone for the major.			

TYLER SCHOOL OF ART

Founded 1935

Keith Morrison, Dean

Elkins Park Programs
7725 Penrose Avenue
Elkins Park, PA 19027
Main Campus Programs
1947 N. 12th Street
Philadelphia, PA 19122
215-782-2828
www.temple.edu/tyler
tyler@temple.edu

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 on the Tyler Elkins Park Campus. A concentration in Digital Imaging is available to B.F.A. studio majors. 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 are offered on Temple University's Main Campus. Summer classes, pre-college programs and weekend workshops are available. For information on graduate programs, please go to the Tyler website 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 the School with 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 in the next few years – please refer to the Tyler website 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

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 receive transfer credit for studio credits taken at other institutions, a student must present a portfolio for each course. An evaluation will determine whether equivalent, elective, or no credit is to be awarded. The department will accept a maximum of 24 semester hours of transfer studio credit towards the major. Transfer evaluations are conducted in the fall and spring semesters only.

Applicants to any Tyler program must meet the deadlines established by the Undergraduate Admissions Office. Please refer to the [Temple website](#) for updated undergraduate deadline information. After the priority deadline dates listed by Temple Undergraduate Admissions, applications are accepted on a rolling admissions basis.

Applications and application materials may be obtained by calling: 215-782-2828 or 215-782-2875 or writing: Office of Admissions, Tyler School of Art of Temple University (801-00), 7725 Penrose Avenue, Elkins Park, Pennsylvania 19027 or through the Tyler website 'Request a Catalog' link at: www.temple.edu/tyler/rfi_catalog.asp

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 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. Contact the Architecture Program at 215-204-8813 for further information.

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.

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 website](#) for deadline information. After the priority deadline dates, applications are accepted on a rolling admissions basis.

Applications and application materials may be obtained by calling: 215-782-2828 or 215-782-2875; writing: Office of Admissions, Tyler School of Art of Temple University (801-00), 7725 Penrose Avenue, Elkins Park, Pennsylvania 19027; 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 1/2" 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 visit the Tyler campus and to schedule a campus tour.

Tyler accepts transfer students from accredited institutions of higher education and strives to keep any loss of credit to a minimum. 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 ten 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 and Scholarships

Financial Aid

Please see the [Student Financial Aid](#) section of the *Bulletin*. Detailed information can also be found on the Student Financial Services website 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 sixteen and twenty 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 website. 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 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 sixty advanced students of painting and sculpture from schools across the country that 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 ten 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 website 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 website -

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," the Penrose Hall student-run gallery, serves as a venue to promote both student works as well as professional exhibitors. Every year four exhibitions are chosen and curated by the student advisory board, which is composed of one representative from each undergraduate class along with one from Tyler Student Government. 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

The Tyler Exhibitions program encompasses exhibitions, lecturers, 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; solo exhibitions of work by M.F.A. students are distributed 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 lecturers 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 website 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)

Professor Sharyn O'Mara, Chairperson

Tyler Hall, Room 205

215-782-2894

somara@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 Michael Becotte, Area Chairperson

Penrose Hall, Room 202

215-782-2893

michael.becotte@verizon.net

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 telephone 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 core 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 telephone 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 C050 (College Composition), Intellectual Heritage, and other Core curriculum 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 and 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 ENG 0040 & 0041, Mathematics 0015 (formerly Math 0001), and Military Science are not included in the minimum number of credits required for graduation. Mathematics 0045 (formerly Math 0002) may be included only when taken as an elective. 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 Math C075 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 Bachelor of Arts in Art 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 consult the Art and Art Education department office 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 ten 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 ten 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 Core and individual departments and programs. 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
Tyler Hall, Room 207
7725 Penrose Avenue
Elkins Park, PA 19027
215-782-2780

Main Campus Students:

Brigitte Knowles
Associate Dean
Engineering and Architecture Building
1947 N. 12th Street
Philadelphia, PA 19122-6077
215-204-4302
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*.

Bachelor of Fine Arts

7725 Penrose Avenue
Elkins Park, PA 19027
215-782-2828
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 are usually 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 specific course is 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 0100-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 University Core Curriculum.

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 0200 - 0300 level major courses (24 s.h.), with a minimum grade of C- required in each course; seven studio electives which may be taken outside the major or as additional major (21 s.h.); and additional credits in Art History electives and/or University Core Curriculum.

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 132 semester hours of credit with a minimum cumulative GPA of 2.00.

B.F.A. Curriculum

Requirements	Credits
Studio courses	83
Art History	16
University Core Curriculum	33* (If suggested sequence is followed.)
Total	132

Suggested Four Year B.F.A. Sequence

Freshman Year	Fall	Spring
Foundation Drawing	3	3
2-D Design Principles	3	3
3-D Design Principles	3	3
Foundation Computer	2*	
Art Heritage Western World C055 & C056	4	4
Composition C050	3	
Intellectual Heritage X051		3
Totals	18	16

Sophomore Year	Fall	Spring
Studio Electives/Prerequisites	9	9
Intellectual Heritage X052	3	
University Core*	6	9
Totals	18	18

Junior Year	Fall	Spring
Studio Major Courses	6	6
Studio Electives	3	6

University Core	6	3
Totals	15	15

Senior Year	Fall	Spring
Studio Major Course	6	6
Studio Electives	6	6
Art History elective	4	4
Totals	16	16

*May be taken in Fall or Spring Semester

Suggested core courses offered in Elkins Park included those that fulfill more than one core requirement. These include: SOC X069 (AC,RS,WI); TYR R188: Art, Race and the American Experience (AC,RS, WI) PSYCH C060 (IN,WI); WOMEN'S Studies X051 (IN, WI), College Composition R050 (CO, RS).

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 148 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	16
University Core Curriculum	39-52
Education Core	10
Art Education	16

Four Year B.F.A. with Teaching Certification Sequence

Freshman Year					
Department	Course #	Course Name	Fall	Spring	RCI
Tyler Found.	0001 and 0011	Foundation Drawing	3	3	
Tyler Found.	0002 and 0012	2-D Design Principles	3	3	
Tyler Found.	0003	3-D Design Principles	3	3	
Tyler Found.	0005/0006	Foundation Computer	2*		
Art History	C055	Art Heritage Western World I	4		AC
	C056	or Art Heritage Western World II			
English	C050	Composition		3	CO
Intellectual Heritage	X051	Intellectual Heritage		3	IA
Totals			18	16	

Sophomore Year					
Department	Course #	Course Name	Fall	Spring	RCI
		Studio Electives/Prereq.	9	9	
Intellectual Heritage	X052/X092	Intellectual Heritage II	3		IB
Art Education	0110	Science and Art of Teaching (Prereq for Art Ed 0085)		4	
Psychology	C060	Psychology as a Social Science	3		IN
		University Core	3	4	
Totals			18	17	

Junior Year					
Department	Course #	Course Name	Fall	Spring	RCI
		Studio Major Courses	6	6	
		Studio Electives	3	6	
Art	0085	Art in Elementary and		4	

Education		Secondary Education			
Art History		Elective	4		
STOC	0065	Public Speaking		3	
		University Core	3		
Totals			16	19	

Summer Session - Main or Ambler Campus					
Department	Course #	Course Name	Summer Session I	Summer Session II	RCI
Education	0122	The Developing Individual Across the Life Span (*Prereq for Art Ed 0187)	3		
Education	X060	Education and Schooling in America (*Prereq for Art Ed 0187)	3		AC, WI
		University Core		6	
Totals			6	6	

Senior Year					
Department	Course #	Course Name	Fall	Spring	RCI
		Studio Major Courses	9	3	
		Studio Electives	3		
Art Education	0187	Student Teaching		12	
		University Core	6		
Totals			18	15	

B.F.A. Foundation Program

All B.F.A. majors (including those who seek Art Teaching Certification K-12) share a common freshman foundation year. 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.

B.F.A. Foundation Year

Department	Course #	Course Name	Fall	Spring	RCI
Foundation	0001/0011	Foundation Drawing	3	3	
Foundation	0002/0012	2D Foundation Principles	3	3	
Foundation	0003	3D Foundation Principles	3		
Foundation	0004	3D Foundation Principles		3	
Foundation	0005/0006	Foundation Computer and Lab	2*		
Art History	C055 or C056	Art Heritage Western World I <i>or</i> Art Heritage Western World II	4		AR
			4		AR
English	C050	Composition	3		CO
IH	X051	Intellectual Heritage	3		IA
*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.

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	0151 or 0152	Beginning Ceramics	3	
Crafts	0160	Intermediate Ceramics	3	

JUNIOR REQUIREMENTS:

Department	Course#	Course Name	Hours	RCI
Crafts	0293	Advanced Ceramics	3	
Crafts	0294	Advanced Ceramics	3	
		Two additional specialized Ceramics courses	6	

SENIOR REQUIREMENTS:

Department	Course#	Course Name	Hours	RCI
Crafts	0393	Advanced Ceramics	3	
Crafts	0394	Advanced Ceramics	3	
		Two additional specialized Ceramics courses	6	

Major Requirements for B.F.A. in Glass

SOPHOMORE REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
Crafts	0158	Introduction to Glass	3	

JUNIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
Crafts	0243	Advanced Glass, Topic: Seminar	3	
Crafts	0244	Advanced Glass, Topic: Visiting Artist Series	3	
At least two of the following courses:				
Crafts	0237	Glass Construction, Topic: Kiln Working	3	
		<i>or</i>		
	0238	Glass Construction, Topic: Cold Glass	3	
Crafts	0241	Hot Glass, Topic: Blowing	3	
		<i>or</i>		
	0242	Hot Glass, Topic: Casting	3	

SENIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
Crafts	0343	Advanced Glass, Topic: Seminar	3	
Crafts	0344	Advanced Glass, Topic: Visiting Artist	3	
At least two of the following courses:				
Crafts	0337	Glass Construction, Topic: Kiln Working	3	
		<i>or</i>		
Crafts	0338	Glass Construction, Topic: Cold Glass	3	
Crafts	0341	Hot Glass, Topic: Blowing	3	
		<i>or</i>		
Crafts	0342	Hot Glass, Topic: Casting	3	

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.

Fibers

Rebecca Medel, Area Head
Presidents Hall, Room 004
215-782-2728
rmedel@temple.edu

The Fibers major covers weaving, off-loom, and fabric design in a curriculum based on printing, dye, and techniques of fiber structure. Once techniques are mastered, 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	0117	Off Loom Structure I	3	
Crafts	0105	Fabric Pattern and Image I	3	

JUNIOR AND SENIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
<i>Eight of the following courses:</i>				
Crafts	0118	Woven Structure I	3	
	0212	Alternative Materials	3	
	0214	Digital Printing	3	
	0217	Off Loom Structures II	3	
	0218	Woven Structure II	3	
	0203	Field Internship in Fibers	3	
	0282	Silkscreen on Fabric I	3	
	0318	Woven Structure III	3	
	0317	Off Loom Structure III	3	
	0382	Silkscreen on Fabric II	3	
	0305	Fabric Pattern and Image II	3	

Metals/Jewelry/CAD-CAM

Stanley Lechtzin, Area Head
 Elkins Hall, Room 101
 215-782-2869
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, non-functional forms, furniture, and tableware.

Major requirements for B.F.A. in Metals/Jewelry/CAD-CAM**SOPHOMORE PREREQUISITE:**

Department	Course #	Course Name	Hours	RCI
Crafts	0153 or 0154	Jewelry	3	

JUNIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
Crafts	0265	Junior Metalsmithing	3	
Crafts	0266	Junior Metalsmithing	3	
Crafts	0133	CAD-CAM I	3	
		One specialized Metals course	3	

SENIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
Crafts	0363	Senior Metals and Plastics	3	
Crafts	0364	Senior Metals and Plastics	3	
Crafts	0234	CAD-CAM II	3	
		One specialized Metals course	3	

Graphic Arts and 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 and Interactive Design

Alice Drueding, Area Head
Penrose Hall, Room 302
215-782-2869
drueding@temple.edu

Graphic and 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 World Wide Web and CD-ROM.

Major Requirements for B.F.A. in Graphic and Interactive Design

SOPHOMORE REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
GAD	0117	Graphic Design	3	
GAD	0146	Introduction to Computer Graphics	3	
Note 1: A final grade of B-minus or better is required in Sophomore Design 0117 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	0253	Advanced Graphic Design (Fall)	3	
GAD	0254	Advanced Graphic Design (Spring)	3	
GAD	0257	Typography	3	
GAD	0283	Intermediate Computer Graphics	3	
<i>Electives strongly recommended:</i>				
GAD	0297	Advanced Typography	3	
	0251 or 0252	Interactive Design	3	
	0255 or 0256	Illustration	3	
Note 1: In the junior year Advanced Graphic Design must be taken in sequence (0253 in Fall/0254 in Spring).				
Note 2: The prerequisites for Senior level design courses are the four required courses at the junior level: GAD Advanced Graphic Design 0253 (Fall), GAD Advanced Graphic Design 0254 (Spring), GAD Typography 0257 (Fall or Spring), GAD Intermediate Computer Graphics 0283 (Fall or Spring). Interactive Design 0251 or 0252 is also required for students taking GAD Senior Interactive 0391 or 0392.				
Note 3: Students who plan to have an interactive portfolio only should take Interactive Design 0252 in the junior year. Intermediate Computers 0283 is the prerequisite for this course.				

SENIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
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GAD	W362	Senior Portfolio (Spring only)	3	WI*
<i>Select three specialized courses in Senior Graphic Design from the following:</i>				
GAD	0284	Digital Narrative	3	
	0291	Advertising Design	3	
	0385	Senior Design Workshop	3	
	0386	Advanced Projects in Design	3	
	0387	Senior Design/Art Direction	3	
	0388	Senior Design/Packaging	3	
	0389	Senior Design/Publishing	3	
	0390	Senior Design/Corporate	3	
	0391 or 0392	Senior Interactive	3	
	0393 or 0394	Senior Design/Projects in Authorship	3	
	0397	Senior Design/Design for the Public Good	3	
	0398 or 0399	Senior Illustration	3	
Note: Senior Portfolio W362 fulfills the writing intensive requirement in the major.				
*Indicates Writing Capstone				

Photography

Michael Becotte, Area Head
Elkins Hall, Room 102
215-782-2785

michael.becotte@verizon.net

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 processes, critical theory, and career options for artists.

Major Requirements for B.F.A. in Photography

SOPHOMORE PREREQUISITE:

Department	Course#	Course Name	Hours	RCI
GAD	0171 or 0172	Photography I	3	
GAD	0103	Digital Imaging (prereq for Digital Photography)	3	

JUNIOR AND SENIOR REQUIREMENTS:

Department	Course#	Course Name	Hours	RCI
GAD	0173 or 0174	Photography II	3	
GAD	0203	Digital Photography (prereq Digital Photography)	3	
GAD	0204	Advanced Photo Workshop (fall or spring)	3	
GAD	0205	Color Photography I	3	
GAD	0281 or 0282	View Camera	3	
GAD	0279	Photo Process Workshop	3	
GAD	0383	Senior Photography	3	
GAD	0384	Senior Photography	3	
<i>Electives:</i>				
GAD	0206	Color Photography II	3	
GAD	0280	Photo Process Workshop	3	
GAD	0302	Digital Projects	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	0116	Survey of Printmaking Techniques	3	

JUNIOR REQUIREMENTS:

Department	Course#	Course Name	Hours	RCI
GAD	0133 or 0134	Serigraphy (Prereq for Adv. Serigraphy)	3	
GAD	0135 or 0136	Etching (Prereq for Adv. Etching)	3	
GAD	0137 or 0138	Lithography (Prereq for Adv. Litho)	3	
GAD	0349 or W349	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	0321 or 0322	Advanced Etching	3	
	0331 or 0332	Advanced Lithography	3	
	0345 or 0346	Advanced Serigraphy	3	
<i>One or more specialized course in Printmaking from the following:</i>				
GAD	0336	Color Print Workshop (Intermedia)	3	
	0338	Woodcut & Monoprint Workshop	3	
	0347	Printmaking Workshop (Intermedia)	3	
	0350	Senior Project Workshop	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	0131 or 0132	Painting	3	

Drawing				
Department	Course #	Course Name	Hours	RCI
PDS	0143 or 0144	Intermediate Drawing	3	
Note: Intermediate Drawing 0119 may be substituted for 0143 or 0144.				
Note: Art Matters 0149 and/or Digital Drawing 0112 are strongly recommended to students interested in Painting as a major.				
Note: Art, Race, and the American Experience R188 is recommended to students interested in the Painting major. WI, RS, AC				

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 200-299 level, and two Painting courses must be taken at the 300-399 level. Two Drawing courses must be taken at the 200-299 level, and two Drawing courses must be taken at the 300-399 level.

Painting				
Department	Course #	Course Name	Hours	RCI
<i>Select three courses, a total of 9 hours, from the following list:</i>				
PDS	0150	Painting Materials & Techniques	3	
PDS	0257	Landscape	3	
PDS	0270	Color	3	
PDS	0258 or 0358	Figure Painting	3	
PDS	W286	PDS seminar (for Painting credit)	3	WI
PDS	0290, 0291, 0390, 0391	Advanced Painting	3	
PDS	0331 and 0332	Senior Painting Studio (see note #1 and #2)	6	
Note 1: 0331 and 0332 is Jury-selected by the faculty and must have faculty approval.				
Note 2: 0331 and 0332 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.				
Capstone Recommendation				
PDS	W286	PDS seminar	3	WI
Drawing				

Department	Course #	Course Name	Hours	RCI
<i>Select three courses, a total of 9 hours, from the following list:</i>				
PDS	0250	Interactive Projects	3	
PDS	0253 or 0353	Figure Drawing	3	
PDS	0278 or 0378	Advanced Drawing	3	
PDS	W286	PDS Seminar (for Drawing credit)	3	WI
Note: The faculty strongly recommends PDS seminar, W286, as one of the eight courses. This seminar course may be counted as either a Drawing or Painting course.				
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 facility houses wood shops, metal fabrication equipment, plaster and model-making facilities, and a foundry for casting bronze and aluminum. The initial emphasis is on the development of basic skills with tools and equipment. Advanced courses provide intensive studio experience and the dynamics of a critical dialogue.

Major Requirements for B.F.A. in Sculpture

SOPHOMORE PREREQUISITE:

Department	Course #	Course Name	Hours	RCI
PDS	0169 or 0170	Sculpture	3	

JUNIOR AND SENIOR REQUIREMENTS:

Department	Course #	Course Name	Hours	RCI
PDS	0221, 0321	Advanced Sculpture	3	
	0222, 0322	Advanced Sculpture		
PDS	0221, 0321	Advanced Sculpture, Special Topics	3	
	0222, 0322	Advanced Sculpture, Special Topics	3	
PDS	0335	Senior Sculpture	3	
<i>Three Specialized Courses in Sculpture from the following list:</i>				
PDS	0223, 0323	Installation	3	
PDS	0224	Sculpture Techniques & Materials	3	
PDS	0244, 0344	Mold Making Technology	3	
PDS	0111	Figure Modeling	3	
PDS	0236, 0338	Public Art Projects	3	
PDS	0351	Field Internship	3	
PDS	0395	Independent Study	3	
<i>Two advanced-level courses in drawing from the following list:</i>				
PDS	0278, 0378, 0279, 0379	Advanced Drawing	3	
PDS	0253, 0353	Figure Drawing	3	
PDS	0251	Digital Drawing	3	
PDS	0218	Video Workshop	3	
Note: The students choose their studio electives in consultation with an advisor in the sculpture department. Students help design their own course schedule to reflect their				

individual talents and interests. The students can select these courses from anywhere in the Temple system.

Capstone recommendation				
PDS	W286	PDS Seminar (for Sculpture credit)	3	WI

Architecture Program

John James Pron, AIA, Acting Chair
Engineering & Architecture Building, Room 907
1947 North 12th Street
215-204-8813
archinfo@temple.edu
www.temple.edu/architecture

About the Architecture Program

The Architecture Program is essentially urban in character. The program treats the city itself as a primary laboratory of study for the student. The wide variety of neighborhoods, public buildings, and major urban design projects in Philadelphia serve as examples for evaluation and study. The Program offers the 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 excellent portfolio. Completion of minimum entrance requirements does not guarantee admission.

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.

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 in either their third or fourth year. A similar program in Temple Japan is under development.

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.

Students must satisfy all University Core requirements in addition to major requirements.

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 US 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.

Architecture Basic Studies Courses (Year 1 & 2)

Department	Course #	Course Name	Hours	RCI
Arch	C001	Introduction to Design and the Environment	3	AR
Arch	0011	Design Foundation I	2	
Arch	0031	Design Fundamentals I	4	
Arch	0012	Design Foundation II	2	

Arch	0032	Design Fundamentals II	4	
Arch	0131	Arch Design I	6	
Arch	0132	Arch Design II	6	
Arch	C141	Arch History Ancient through Early Renaissance	3	AR
Arch	C142	Arch History Late Renaissance through 20th Century	3	AR
Arch	0151	Architecture, Technology, and the Environment	3	
Arch	0152	Architectural Materials and Methods of Construction	4	

Required Courses Also Satisfying University Core

Department	Course #	Course Name	Hours	RCI
Math	C077	Basic Concepts of Calculus	4	QB
Physics	C083	College Physics I	4	SA
Physics	C084	College Physics II	4	SB

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	0174	Site Investigations	3	
Arch	0243	Movements in Modern Architecture	3	
Arch	0251	Structural Analysis	3	
Arch	0252	Structural Design I	3	
Arch	0253	Structural Design II	4	
Arch	0351	Environmental Systems	3	
Arch	W261	Professional Practice	3	WI*
Arch		Required electives from remaining Architecture Program Courses and approved courses from associated disciplines	24	
		University Free Electives	6	

*Indicates Writing Capstone

Bachelor of Architecture (Year 3, 4, 5)

Department	Course #	Course Name	Hours	RCI
Arch	0174	Site Investigations	3	
Arch	0251	Structural Analysis	3	
Arch	0252	Structural Design I	3	
Arch	0253	Structural Design II	4	
Arch	0243	Movements in Modern Architecture	3	
Arch	0231	Arch Design III	6	
Arch	0232	Arch Design IV	6	
Arch	0331	Arch Design V	6	
Arch	0332	Arch Design VI	6	
Arch	0351	Environmental Systems	3	
Arch	W261	Professional Practice	3	WI
Arch	W441	Architectural Seminar I	3	WI*
Arch	0431	Advanced Arch Design	6	
Arch	0432	Arch Thesis	6	
Arch	0442	Thesis Program Prep	3	
Arch	0433	Thesis Advising I	1	
Arch	0434	Thesis Advising II	1	
Arch		Required electives from remaining Architecture Program Courses	6	
		University Free Electives	12	

Total of 125 s.h. required for completion of Bachelor of Science in Architecture; 157 s.h. required for completion of Bachelor of Architecture degree.
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*Indicates Writing Capstone

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 and Art Education

Jo-Anna J. Moore, Ed.D., Chair

Marilyn Holsing, M.A., Undergraduate Contact, Professor of Art, Undergraduate Advisor

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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 enables students to focus on the use of computer technologies as offered in courses throughout the University, including those in the programs of Art, Architecture, Film and Media Arts, Music, Theater, Dance, etc. This wide range of courses fosters the development of an interdisciplinary approach to image-making that considers both the aesthetic and technical sides of this genre.

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 course work 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.

Bachelor of Arts candidates must complete the University Core requirements with the following: For the Core Language or International Studies requirement, candidates for the B.A. degree are required to complete both an International Studies and a Language requirement; or complete the third semester of a language (course number C061, except in Critical Languages) and one international studies course; or complete the second semester of a language (course number 0052, except in Critical Languages) and two international studies courses, at least one of which must be "Third World/Non-Western."

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 2.50.

To receive transfer credit for studio credits taken at other institutions, a student must present a portfolio for each course. An

evaluation will determine whether equivalent, elective, or no credit is to be awarded. Transfer portfolio evaluations take place twice each semester but not in the summer semesters. The department will accept a maximum of 24 semester hours of transfer studio credits toward the major.

Bachelor of Arts in Art Major Requirements

Department	Course #	Course Name	Hours	RCI
Art	C059	Intro to Visual Language: Design	3	AR
Art	C069	Intro to Visual Language: Drawing	3	AR
Art	C079	Intro to Visual Language: Painting	3	AR
Art	C089	Intro to Visual Language: 3-D Design	3	AR
Art	W192	Capstone Seminar	3	WI*
Art History	C055	Art Heritage of the Western World I	3	AR
Art History	C056	Art Heritage of the Western World II	3	AR
<i>Select one from the following list:</i>			3	
Art History	Elective	0100 or above		AR
Philosophy	C061	Art and Society		
Anthropology	0224	Anthropology and Art		
* For students starting the program in September of 2005				
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	0159	Aqueous Media	3	
Art	0140	Drawing II	3	
Art	0118	Painting II	3	
Art History		Two Art History Electives (except AH C051)	8	
<i>Select two from the following list:</i>			6	
Art	0131, 0136, 0231, 0236, 0238	Printmaking		
Art	0181, 0182	Photography		
Art	0188, 0189	Digital Photography		
Art	0160, 0161	Computer Imaging		
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	0131-0236 0181, 0182	Printmaking Photography		
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	
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Visual Studies Concentration Requirements

Department	Course #	Course Name	Hours	RCI
<i>Select one from the following list:</i>			3	
Art	0131 – 0136	Printmaking		
Art	0181 – 0182	Photography		
Art	0188 – 0189	Digital Photography		
Art	0160 – 0161	Computer Imaging		
<i>Select four from the following list:</i>			12	
Anthropology	0224	Anthropology and Art		
Philosophy	C061 0131	Art and Society Introduction to Aesthetics		AR
History	0173	Modern U.S. History Through Film		
FMA	X155	Introduction to Film and Video Analysis		AR
Journalism	0060	Introduction to Visual Communication		
English	0170 R170 0172 0270	Art of Film Art of Film Intermediate Film Advanced Film		RS
Art History		Two Art History Electives, except AH C051	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	C059	Intro to Visual Language: Design	3	AR
Art	C069	Intro to Visual Language: Drawing	3	AR
Art	C079	Intro to Visual Language: Painting	3	AR
Art History	C055	Art Heritage of the Western World	3	AR
<i>Select one from the following list:</i>			3	
Art	0131 0136 0181	Relief Printmaking Lithography Basic Photo B/W		
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
 Anderson Hall, Room 311
 215-204-7181
artedart@temple.edu

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 39 to 45 credits in the 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

Students must also satisfy all University Core requirements. A minimum of 128 hours is required for the degree.

Department	Course #	Course Name	Hours	RCI
Art	C059	Intro to Visual Language: Design	3	AR
Art	C069/X069	Intro to Visual Language: Drawing	3	AR, WI
Art	C079	Intro to Visual Language: Painting	3	AR
Art	C089	Intro to Visual Language: 3-D Design	3	AR
Art	0118	Painting II	3	
Art	0131	Relief Printmaking I	3	
Art	0136	<i>or</i> Lithography		
Art	0140	Drawing II	3	
Art	0159	Aqueous Media	3	
Crafts	0151 or 0152	Beginning Ceramics	3	
Art	W192	Art Seminar (offered only in the Fall)	3	WI*
Art History	C055	Art Heritage of the Western World I	3	
Art History	C056	Art Heritage of the Western World II	3	
Art History		Art History Elective (not AH C051)	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	C060	Psychology as a Social Science	3	IN
History	C067	History US 1600-1877	3	AC
	C068	<i>or</i> History US 1877-Present		

Additional Liberal Arts Requirements

Department	Course #	Course Name	Hours	RCI
STOC	0065	Public Speaking	3	
Literature Elective		Any University literature course. (See Department Advisor for pre-approval.)	3	

Department	Course #	Course Name	Hours	RCI
Art Education	0110	Science & Art of Teaching (Only offered in Spring) (Prerequisites: English C050 & Psych C060.) (B-)	4	
Art Education	0085	Art in Elem. & Secondary Education (Prerequisites: Speech Screening, PPST tests, AE 0110. Application must be submitted during pre-registration the semester prior to taking the course.)(B-)	4	
Art Education	0187	Student Teaching is now five full days per week. (Prerequisites: All ED and AE 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
ED	X060	Education & Schooling in America (C)	3	AC/WI

ED	0122	The Developing Individual Across the Lifespan (C+)	3	
ED	0155	Inclusive Education For a Culturally Diverse Society (C)	3	
ED	0205	Curriculum, Instruction and Technology in Ed. (C+)	3	
ED	0206	Assessment and Evaluation (C)	3	
ED	0255	Effective Use of Technology in Classroom. (Prerequisite: Skills Test) (C+)	3	

Note: Grades in parentheses indicate minimum grade necessary to count towards degree requirements.

Art History Department

Gerald Silk, Department Chair
gerald.silk@temple.edu

Abraham Davidson, Undergraduate Advisor
 Ritter Annex, Room 857
 215-204-7837
abraham.davidson@temple.edu
arthisto@temple.edu

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. Students must satisfy all University Core requirements in addition to the required major courses. Art History majors must satisfy both the International Studies and Foreign Language portions of the University Core. A minimum of 45 semester hours in CLA upper-level courses must be completed. A minimum GPA of 2.0 is required at graduation.

Required Major Courses: Introductory

Department	Course #	Course Name	Hours	RCI
<i>Two of the following four:</i>				
Art History	C051	Visual Experience	3	AR
Art History	C052	Arts of Asia	3	AR
Art History	C055, H095	Art Heritage Western World I	3	AR
Art History	C056, H096	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: 0110, C193, 0217, 0229, W229, 0235		
Art History		Medieval: 0115, 0116, 0117, 0125		
Art History		Renaissance: 0121, 0123, 0124, 0125, 0129, 0301		
Art History		Baroque: 0129, 0130, W130, 0131, W131, 0228		

Art History		19th Century: 0135, 0143, 0184, 0263		
Art History		20th Century: 0103, 0108, 0142, 0144, 0150, 0180, 0189		
Art History		Non-Western: 0168, 0215, 0218, 0219, 0307		
Note: Courses listed in more than one field may only count for one field. If a course is a 0194/0300/0306/0308/0328 "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 AH 0139, C148, 0151, 0152, 0160, 0195, 0196, 0201, 0202, 0203, 0210, 0222, 0258, 0295, 0296, 0302, 0341, 0342. (Note: One course must be Writing Intensive.)	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 AH C051, C052, C055, C056	3	AR
Art History		Upper-Level Electives: Select four from AH 0100 and above	16	

Art History Minor Requirements (Tyler School of Art B.F.A. Students)

Department	Course #	Course Name	Hours	RCI
Art History	0055	Art Heritage Western World I	4	AR
Art History	0056	Art Heritage Western World II	4	AR
Art History		Upper-Level Electives: Select four from AH 0100 and above	16	

FOX SCHOOL OF BUSINESS AND 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 and 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.

Special Facilities and 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. 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 0100, a course designed to help students develop the basic professional tools that they will need to find internships and permanent jobs.

Internship and Co-op Programs

The Center for Student Professional Development and Student Professional Organizations works 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 1250 and rank in the top 15% of their class, and college students with at least a 3.60 grade point average are encouraged to apply. The program consists of a Lower Division laptop component and an Upper Division component. Students earn an Honors Certificate upon completion of each. Students who enter Temple University as freshmen are also invited to join the University Honors Program. For more information on this program, please visit the website 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. Michael Leeds, Director, FSBM Honors Program, 106E Speakman Hall, 215-204-8030, or Charles Allen, Associate Director, FSBM Honors Program, 106F Speakman Hall, 215-204-8122, or visit the website 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 the "Law in Society" (Law C001) and "Computer and Applications" (CIS C055) classes, which are scheduled in a block and may be taken together by students as a group.

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 website: www.temple.edu/LC/.

Honorary Societies, Awards, and Student Associations

Beta Gamma Sigma

The Gamma Chapter of Beta Gamma Sigma, the national honorary business fraternity, was installed in the Fox School of Business and Management in March 1935. Membership is limited to seniors who are in the upper 10 percent of their class and juniors in the upper 7 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, [The Fox School | Financial Management Association](#).

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 GPAs are at least 3.0. This group is a subgroup of the Temple University Economics Society. For more information, please contact Dr. William Holmes at william.holmes@temple.edu or phone 215-204-8175. [The Fox School | Omicron Delta Epsilon](#).

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, 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, 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 and 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 website 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 this *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.

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

Students are asked to visit the Fox School of Business and Management website (www.fox.temple.edu/advising) for more information on advising.

Academic Policies and 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 applications are available from the advising website at www.fox.temple.edu/advising. A graduation review will be completed, students will receive written confirmation of their remaining requirements, and they will be eligible to reserve a seat in the senior capstone course, Business Administration W361. It is extremely important for graduating seniors to register as soon as they become eligible within Continuing Student registration. Senior level and capstone classes close quickly, and there is no guarantee that seats will be available in all of the needed classes to graduate in any given semester. Some courses are not offered every semester or in the summer sessions.

Course Eligibility

To be eligible to enroll in courses numbered 0100 or higher, a matriculated FSBM student must have completed at least 57 semester hours of college course work in courses including:

- Accounting 0001, 0002
 - Computer and Information Sciences C055
 - Economics C051, C052
 - Risk Management and Insurance 0001
 - Law C001
 - Statistics C011, C012, C021, 0022
 - Marketing 0081
 - HRM 0083
- and have met any specific course prerequisites.

Courses Inapplicable to Graduation Requirements

Semester hours earned in SRAP or ELECT, Mathematics 0015 (formerly Mathematics 0001), and lower division (less than 0100) Military Science courses do not yield academic credit toward the minimum total of 123.

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 grade point averages of 3.5 or above in each semester are eligible to be considered for Dean's List recognition for that academic year. 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.

Probation and Drop

Students in the Fox School of Business and Management are bound by the University policy on Academic Warning, Probation and 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 course work 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 [Non-Traditional Credit](#) under the Academic Policies and Regulations 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 0100 and higher) earned previously may no longer apply toward the degree. Readmission applications can be found at www.fox.temple.edu/advising/fqforms.

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 Business Administration 0050, Economics C051, C052, Accounting 0001, 0002, Computer and Information Sciences C055, 0010, Risk Management and Insurance 0001, Law C001, Law 0101, Statistics C011, C012, C021, 0022. Marketing 0081 and HRM (formerly HRA) 0083 will be accepted for transfer if they were taken during the fall 1994 semester or later. HRM 0085 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 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 between 0001 and 0099 in the Fox School of Business and Management. Undergraduate courses numbered above 0100 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.

College Graduation Requirements

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 Requirement
- Fox School of Business and Management lower and upper division requirements
- Major requirements
- Electives

Fox School of Business and Management Requirements

Lower Division Foundation Requirements

Business Courses				
Department	Course #	Course Name	Hours	RCI
Accounting	0001	Principles of Accounting I	3	
Accounting	0002	Principles of Accounting II	3	
Human Resource Management	0083	Organization and Management	3	
Law and Business	C001	Law in Society	3	IN
Marketing	0081	Introduction to Marketing	3	
Risk Management and Insurance	0001	Introduction to Risk Management	3	
Subtotal			18	
Non-Business courses				
Computer and Information Sciences	C055	Computers and Applications	4	SB
Economics	C051	Macroeconomic Principles	3	IN
Economics	C052	Microeconomic Principles	3	IN
Strategic & Organizational Communication	0065	Public Speaking	3	
Statistics*	C011	Basic Quantitative Foundations for Business & Economics I	3	QA
Statistics	C012	Basic Quantitative Foundations for Business & Economics II	3	QB
Statistics	C021	Statistical Methods and Concepts	3	QB
Statistics	0022	Selected Statistical Topics	3	
Subtotal			25	
*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)

Business Courses				
Department	Course #	Course Name	Hours	RCI
Business Administration	0100	Professional Development Strategies	1	
Business Administration	0215	Business, Society and Ethics	3	
Finance	0101	Introduction to Financial Markets	3	
Finance	0103	Principles of Financial Management	3	
Management Science/Operations Management	0105	Operations Management	3	
Business Administration	W361	Business Policies (graduating seniors only)	3	WI
Subtotal			16	

Major Requirements

Twelve business courses (34 s.h.) and eight non-business courses (25 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 200+ Economics course, 5) and business electives.

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 course work, 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

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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Susan Young
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West Hall
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Accounting

Eric G. Press , Chair
Office: Speakman Hall 335
215-204-8127

eric.press@temple.edu
<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.

There are three professional student organizations available for accounting majors: [Beta Alpha Psi](#) (BAP--National Honorary Fraternity), the [Accounting Professional Society](#) (APS), and the [National Association of Black Accountants](#) (NABA).

Summary of 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.

Requirements of Accounting Major

Department	Course #	Course Name	Hours	RCI
Accounting	0011	Intermediate Accounting I	3	
Accounting	0012	Intermediate Accounting II	3	
Accounting	0121	Cost Accounting	3	
Accounting	W123	Auditing	3	WI
Accounting	0126^	Accounting Information Systems	3	
Accounting	0131	Federal Taxes on Income	3	
Accounting	0233	Advanced Accounting	3	
Accounting	W300	Senior Seminar in Accounting	3	WI*
Law and Business	0110	Business Law for Accountants	3	
<i>Select one Economics course from either:</i>			3	
Economics^^	0250	International Trade		
		<i>or</i>		
Economics^^	0251	International Monetary Economics		
Subtotal			30	
* indicates Writing Capstone				
^ Accounting 0126 meets the Technology requirement for the Accounting major.				
^^Economics 0250 or 0251 will meet the 200 level Economics requirement as well as the International Business requirement for Accounting students.				

Actuarial Science

Department of Risk, Insurance & Healthcare Management

Bonnie Averbach, Associate Professor, Program Director
 Ritter Annex 475
 215-204-8153
bonnie.averbach@temple.edu
www.temple.edu/actuary

Krupa S. Viswanathan, Assistant Professor
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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 course work 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 website at www.sigmachapter.org/mainpage.php.

Summary of 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 0262 or Actuarial Science 0061. 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.

Requirements of Actuarial Science Major

Required courses				
Department	Course #	Course Name	Hours	RCI
Actuarial Science	0001	Introduction to Actuarial Science	3	
Actuarial Science	0061	Basic Actuarial Mathematics	3	
Actuarial Science	0101	Theory of Interest	3	
Actuarial Science	W218	Casualty Contingencies	3	WI
Actuarial Science	0305	Actuarial Modeling I	3	
Actuarial Science	0306	Actuarial Modeling II	3	
Statistics	0351*	Intermediate Business Statistics	3	
International course – select one:			3	
Economics	0250	International Trade		
Economics	0251	International Monetary Economics		
Finance	0250	International Financial Markets		
Finance	0251	International Financial Management		
GSM	0380	Global Strategic Management		
HRM	0201	International Human Resource Mgt		
Law and Business	0106	International Law		
Marketing	0250	International Marketing		
Economics	0200**	Any 200 level Economics, excluding 0288 or 0289	0-3	
Business Elective		Select one elective from business dept. 0100-0399	0-3	
Subtotal			27	
*Satisfies the technology requirement for the major.				
**If either Economics 0250 or 0251 is taken to fulfill the Economics 200 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	C085	Calculus I*	4	SA
Math	C086	Calculus II*	4	SB
Math	0127	Calculus III	4	
Actuarial Science	0262	Actuarial Probability and Statistics**	3	
Statistics	0212	Intermediate Statistics**	3	
Math	0333	Introduction to Probability Models	3	
Total			21	
*Math C085 & C086 replace the Statistics C011 & C012 requirements listed for Fox School of Business & Management course requirements.				

**Actuarial Science 0262 and Statistics 0212 replace the Statistics C021 & 0022 requirements listed for Fox School of Business & Management course requirements.	

Business Minor

108 Speakman Hall
1810 N. 13th Street
Philadelphia, PA 19122
215-266-7676

<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 two eight-course (24 s.h.) Business School minors to allow students in other schools and colleges of the University a chance to better prepare themselves for work in a profit or non-profit organization. The Business minor will also facilitate the transition into an M.B.A. program for undergraduate non-business majors. The General Business Studies Minor is aimed at students who are seeking a more general understanding of business knowledge and who are not interested in attending an M.B.A. program in the future. After the student completes the requirements for either minor, that minor will be recorded on the student's official University transcript upon graduation.

Academic Requirements for Business Minor

Students pursuing a business minor must meet the following requirements:

- A C- in each course
- A 2.0 overall GPA for courses in the business minor
- A minimum of five of the eight required business minor courses must be completed at Temple.

Courses

Macro and Microeconomics (Economics C051* and C052*)

Statistical Analysis (Statistics C021** or its equivalent)

Principles of Accounting I (Accounting 0001)

Principles of Accounting II (Accounting 0002)

Introduction to Marketing (Marketing 0081)

Organization and Management (HRM 0083)

Introduction to Risk Management (RMI 0001)

* Meets University Core Curriculum requirement for Individual and Society.

** Meets University Core Curriculum requirements for Quantitative Reasoning, Level B

Declaration of Business Minor

Students who are interested in pursuing a business minor should speak to their advisor in the school or college in which they are pursuing their degree. Students should formally declare the business 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 visit www.fox.temple.edu/advising/minor.html.

Academic Requirements for General Business Studies Minor

Students pursuing the General Business Studies Minor must meet the following requirements:

- A 2.0 overall GPA for courses in the General Business Studies Minor
- A minimum of five of the eight required business courses must be completed at Temple University.
- Declaration of intentions to do this minor within the first 6 credit hours of course work towards the minor.

Courses

- Macroeconomics (Economics C051)
- Principles of Accounting I (Accounting 0001)
- Organization and Management (HRM 0083)
- Introduction to Marketing (Marketing 0081)

- Four additional business electives from a designated list of courses.

* For a complete list of possible electives, please stop by Speakman 101 or review the requirements at www.fox.temple.edu/advising/minor.

Declaration of the General Business Studies Minor

Students who are interested in pursuing the General Business Studies Minor should speak to their advisor in the school or college in which they are pursuing their degree. Students must formally declare the General Business Studies Minor within the first 6 credit hours of course work completed towards this minor: there is no penalty if the minor is not completed. For more information and to declare the minor, please visit www.fox.temple.edu/advising/minor.html.

Minors in Specific Business Disciplines

The Fox School of Business and Management also offers opportunities for students to select minors in addition to the majors. The following minors are available to students in any Temple University school or college:

- Accounting
- Economics
- E-Marketing
- Entrepreneurship
- Healthcare Management
- Management Information Systems
- Statistics (for Honors students or with the permission of the Statistics Department)

For information on the requirements and to declare any of the minors listed above, please visit www.fox.temple.edu/advising/minor.html. Students who complete the General Business Studies minor may be eligible to complete some of the specific business discipline minors listed above, but should first see an advisor in the Fox School of Business and Management in Speakman Hall 106. Students who are interested in the Management Information Systems minor but do not intend to complete either the Business Minor or the General Business Studies Minor should contact the MIS Department directly at 215-204-3054 to discuss the MIS Certificate Program.

Undergraduate Certificate Programs in Business

Business Basics

This certificate program consists of five required undergraduate courses. It is strongly recommended that students take the courses in the order in which they are listed so that they will build on their knowledge in a useful way. In order to receive the Business Basics Certificate, students must have a grade of C or better in each of the required courses. The certificate will be awarded upon satisfactory completion of all required courses.

Required Courses for Business Basics

- Law in Society (Law CO01)
- College Composition (English C050)
- Organization and Management (Human Resource Management 0083)
- Principles of Accounting I (Accounting 0001)
- Quantitative Foundations for Business and Economics I (Statistics CO11)

Business Plus

The Business Plus Certificate builds on the knowledge gained in Business Basics. Students should take Business Basics courses prior to taking Business Plus courses. This certificate program consists of five required undergraduate courses. It is strongly recommended that students take the courses in the order in which they are listed so that they will build on their knowledge in a useful way. In order to receive the Business Plus Certificate, students must have a grade of C or better in each of the required courses. The certificate will be awarded upon satisfactory completion of all required courses.

Required Courses for Business Plus

- Macroeconomic Principles (Economics C051)
- Microeconomic Principles (Economics C052)
- Introduction to Marketing (Marketing 0081)
- Principles of Accounting II (Accounting 0002)
- Introduction to Risk Management (Risk Management and Insurance 0001)

Please note: Students may be required to complete a 4-credit writing review course prior to taking College Composition if they demonstrate the need for additional skills. Students may be required to complete a 3-credit Elementary Algebra course prior to taking Quantitative Foundations for Business if they demonstrate the need for additional skills.

Individuals interested in pursuing the Business Basics or the Business Plus certificates should contact Ruth Gardner at 215-204-4358 or at ruth.gardner@temple.edu.

The certificates are available only to non-matriculated students.

Business Management

108 Speakman Hall
1810 N. 13th Street
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.

Students are encouraged to join the student professional organization for the majors 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 website at www.fox.temple.edu/ccouncil.org.html.

Summary of 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. Students in this major cannot complete a second major in the Fox School of Business and Management.

Requirements of Business Management/Economics Major

Required courses				
Department	Course #	Course Name	Hours	RCI
Human Resource courses – select two:			6	
HRM	0315	Power, Influence, and Negotiation		
HRM	0320	Managing People at Work		
HRM	0330	Communicating in Organizations		
Intermediate Economic Theory – select one:			3	
Economics	0201	Intermediate Microeconomic Analysis		
Economics	0202	Intermediate Macroeconomic Analysis		
Economics elective – select one 200 level:			3	
Economics		Economics elective, excluding 0288, 0289		
Writing Capstone – select one economics writing intensive course:			3	
Economics	W255	Energy, Ecology, and Economy		WI
Economics	W262	Health Economics		WI
Economics	W302	Economics Writing Seminar		WI
Required course:				
MIS	0070*	Principles of Information Systems	3	
International course – select one:			3	

Economics	0250**	International Trade		
Economics	0251**	International Monetary Economics		
Finance	0250	International Financial Markets		
Finance	0251	International Financial Management		
GSM	0380	Global Strategic Management		
HRM	0201	International Human Resource Management		
Law and Business	0106	International Law		
Marketing	0250	International Marketing		
Business Electives		Select one to two electives from business departments 0100 - 0399	3-6	
Economics**		Any 200 level Economics courses, excluding Economics 0288 and 0289, to meet the Fox School Economics requirement.	0-3	
Subtotal			27	
*Satisfies technology requirement for the major.				
**If Economics 0250 or 0251 is chosen to satisfy the International requirement, you will also have satisfied the 200 level Economics requirement. You will need to take an additional business elective to complete the major.				

Requirements of Business Management/Employment Benefits Major

Required courses				
Department	Course #	Course Name	Hours	RCI
Human Resource courses – select two:			6	
HRM	0315	Power, Influence, and Negotiation		
HRM	0320	Managing People at Work		
HRM	0330	Communicating in Organizations		
Required courses:				
Risk Mgt & Ins	0205	Life and Health Ins & Employee Benefits	3	
Risk Mgt & Ins	0325	Retirement Plans	3	
Risk Mgt & Ins	W355	Advanced Topics in Health & Welfare Employee Benefits	3	WI
MIS	0070*	Principles of Information Systems	3	
International course – select one:			3	
Economics	0250**	International Trade		
Economics	0251**	International Monetary Economics		
Finance	0250	International Financial Markets		
Finance	0251	International Financial Management		
GSM	0380	Global Strategic Management		
HRM	0201	International Human Resource Management		
Law and Business	0106	International Law		
Marketing	0250	International Marketing		
Business Electives		Select one to two electives from business departments 0100 - 0399.	3-6	
Economics**		Any 200 level Economics courses, excluding Economics 0288 and 0289.	0-3	
Subtotal			27	
*Satisfies technology requirement for the major.				
**If Economics 0250 or 0251 is chosen to satisfy the International requirement, you will also have satisfied the 200 level Economics requirement. You will need to take an additional business elective to complete the major.				

Requirements of Business Management/Healthcare Management

Required courses				
Department	Course #	Course Name	Hours	RCI
Human Resource courses – select two:			6	
HRM	0315	Power, Influence, and Negotiation		
HRM	0320	Managing People at Work		

HRM	0330	Communicating in Organizations		
Required courses:				
Healthcare Mgmt	0101	Introduction to Healthcare Management	3	
Healthcare Mgmt	0201	Healthcare Financing and Information Technology	3	
Healthcare Mgmt	W301	Integrated Delivery Systems and Managed Care	3	WI
MIS	0070*	Principles of Information Systems	3	
International course – select one:			3	
Economics	0250**	International Trade		
Economics	0251**	International Monetary Economics		
Finance	0250	International Financial Markets		
Finance	0251	International Financial Management		
GSM	0380	Global Strategic Management		
HRM	0201	International Human Resource Management		
Law and Business	0106	International Law		
Marketing	0250	International Marketing		
Business Electives		Select one to two electives from business departments 0100 – 0399.	3-6	
Economics		Any 200 level Economics courses, excluding Economics 0288 and 0289.	0-3	
Subtotal			27	
*Satisfies technology requirement for the major.				
**If Economics 0250 or 0251 is chosen to fulfill the International requirement, it will also satisfy the 200 level Economics requirement. You will need to take an additional business elective.				

Requirements of Business Management/Legal Studies Major

Required courses				
Department	Course #	Course Name	Hours	RCI
Human Resource courses – select two:			6	
HRM	0315	Power, Influence, and Negotiation		
HRM	0320	Managing People at Work		
HRM	0330	Communicating in Organizations		
Law and Business Courses - select two:			6	
Law and Business	0101	Law of Contracts		
Law and Business	0103	Law for Entrepreneurs		
Law and Business	0104	The Consumer and the Law		
Law and Business	0105	Sports and the Law		
Law and Business	0106***	International Law		
Law and Business	0107	Constitutional Law		
Law and Business	0108	Law, Technology and E-Commerce		
Law and Business	W109	Law and Ethics in Business		WI
Law and Business	0110	Business Law for Accountants		
Law and Business	0111	The Litigation Process		
Required courses:				
Law and Business	W112	Legal Research, Writing and Advocacy	3	WI
MIS	0070*	Principles of Information Systems	3	
International course – select one:			0-3	
Economics	0250**	International Trade		
Economics	0251**	International Monetary Economics		
Finance	0250	International Financial Markets		
Finance	0251	International Financial Management		
GSM	0380	Global Strategic Management		
HRM	0201	International Human Resource Management		
Law and Business	0106	International Law		
Marketing	0250	International Marketing		
Business Electives		Select one to two electives from business departments 0100 - 0399.	3-6	

Economics**		Any 200 level Economics courses, excluding Economics 0288 and 0289.	0-3	
Subtotal			27	
*Satisfies technology requirement for the major				
**If Economics 0250 or 0251 is taken, it will satisfy the International requirement; it will also satisfy the 200 level Economics requirement. You will need to take two business electives.				
***If Law and Business 0106 is taken, it will satisfy one law elective and the International requirement; you will need to take two business electives.				

Requirements of Business Management/Marketing Major

Required courses				
Department	Course #	Course Name	Hours	RCI
Human Resource courses – select two:			6	
HRM	0315	Power, Influence, and Negotiation		
HRM	0320	Managing People at Work		
HRM	0330	Communicating in Organizations		
Required courses:				
Marketing	W160	Consumer and Buyer Behavior	3	WI
Marketing		Select two electives in Marketing 0100-0399, excluding W360	6	
MIS	0070*	Principles of Information Systems	3	
International course – select one:			0-3	
Economics	0250**	International Trade		
Economics	0251**	International Monetary Economics		
Finance	0250	International Financial Markets		
Finance	0251	International Financial Management		
GSM	0380	Global Strategic Management		
HRM	0201	International Human Resource Management		
Law and Business	0106	International Law		
Marketing	0250***	International Marketing		
Business Electives		Select one to two electives from business departments 0100 - 0399	3-6	
Economics**		Any 200 level Economics courses, excluding Economics 0288 and 0289.	0-3	
Subtotal			27	
*Satisfies technology requirement for the major.				
**If Economics 0250 or 0251 is chosen to satisfy the International requirement, you will also have satisfied the 200 level Economics requirement, and you will need to take two business electives.				
***If Marketing 0250 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

Required courses				
Department	Course #	Course Name	Hours	RCI
Human Resource courses – select two:			6	
HRM	0315	Power, Influence, and Negotiation		
HRM	0320	Managing People at Work		

HRM	0330	Communicating in Organizations		
Required courses:				
Risk Mgt & Ins	0209	Property and Liability Insurance Coverage	3	
Risk Mgt & Ins	0329	Property and Liability Insurance Operations	3	
Risk Mgt & Ins	W359	Global Corporate Risk Management	3	WI
MIS	0070*	Principles of Information Systems	3	
International course – select one:			3	
Economics	0250**	International Trade		
Economics	0251**	International Monetary Economics		
Finance	0250	International Financial Markets		
Finance	0251	International Financial Management		
GSM	0380	Global Strategic Management		
HRM	0201	International Human Resource Management		
Law and Business	0106	International Law		
Marketing	0250	International Marketing		
Business Electives		Select one to two electives from business departments 0100 - 0399	3-6	
Economics**		Any 200 level Economics courses, excluding Economics 0288 and 0289.	0-3	
Subtotal			27	
*Satisfies technology requirement for the major.				
**If Economics 0250 or 0251 is chosen to satisfy the International requirement, you will also have satisfied the 200 level Economics requirement. You will need to take an additional business elective to complete the major.				

Economics

Dr. William Stull, Chair
Dr. William Holmes, Advisor
Office: Ritter Annex 804
215-204-8175
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

In addition to completing the three economics courses required of all students in the Fox School of Business and Management (C051, C052, and one upper-division course other than 0288), 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.

Requirements of Economics Major

Required courses				
Department	Course	Course Name	Hours	RCI

	#			
Economics	0201	Intermediate Microeconomic Analysis	3	
Economics	0202	Intermediate Macroeconomic Analysis	3	
<i>Select one:</i>			3	
Economics	W302	Economics Writing Seminar		WI
Economics	W255	Energy, Ecology, and Economy		WI
Economics	W262	Health Economics		WI
<i>Select two electives at the 0200 level or above:</i>			6	
Economics	0200+	Excluding Economics 0288 (Co-op Experience)		
<i>Select one:</i>			0-3	
Accounting	0126	Accounting Information Systems		
Economics*	0283	Computer-Based Modeling		
<i>Select one International course:</i>			0-3	
Economics	0250**	International Trade		
Economics	0251**	International Monetary Economics		
Finance	0250	International Financial Markets		
Finance	0251	International Financial Management		
GSM	0380	Global Strategic Management		
HRM	0201	International Human Resource Mgt		
Law & Business	0106	International Law		
Marketing	0250	International Marketing		
Economics***		Any 200 level Economics courses, excluding Economics 0288 and 0289.	3	
Business Electives****		<i>Select one to three from business departments 0100-0399</i>	3-9	
Subtotal			27	

*Accounting 0126 and Economics 0283 will fill the technology requirement for the Economics major. Economics 0283 will also fill one of the two electives in Economics.

**If Economics 0250 or 0251 is chosen to satisfy the International requirement, you will also have satisfied one of the 200 level Economics elective requirements, and you will need to take an additional business elective.

***This course meets the Economics 200+ requirement that is part of the Fox School Business core.

****The number of business electives required depends on what courses are chosen to satisfy the technology and international areas.

E-Marketing

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In light of the exponential growth of eCommerce in the business-to-business, business-to-consumer, consumer-to-consumer and consumer-to-business sectors, The Fox School of Business and Management offers a major in the B.B.A. program in the area of electronic marketing called e-Marketing. The purpose of this major is to provide students with a unique program of study that provides a solid background in the tools and functional areas necessary to succeed in a twenty-first century era that places increasing emphasis on integrating technology with business management.

E-Marketing majors have career choices in several fields, including:

- Promotion (Internet and website management, Direct Marketing, Advertising, Special Promotions)
- Technology integration in Marketing Management
- Sales and Sales Management

- International Marketing
- Marketing Research
- Supply Chain Management
- Retailing Management
- Careers in local, state, and federal governments
- Non-profit organizations such as hospitals and universities

E-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 e-Marketing majors. For more information, please contact Professor Mary Conran at mconran@temple.edu (215-204-8152).

Summary of 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 an e-Marketing major. Use the major GPA calculator at www.fox.temple.edu/advising to calculate the GPA in the major.

Requirements of e-Marketing Major

Required courses				
Department	Course #	Course Name	Hours	RCI
Marketing	W160	Consumer & Buyer Behavior	3	WI
Marketing	0212	Info. Mgt. For Electronic Marketing	3	
Marketing	0241	Direct Marketing and eMarketing Channels	3	
Marketing	0245	Principles of Electronic Commerce	3	
Marketing	0250*	International Marketing	3	
Marketing	W360	eMarketing Strategy	3	WI
Marketing Elective - select one			3	
Marketing	0232	eRetailing and SCM		
	0261	<i>or</i> B2B Marketing		
MIS	0070**	Principles of Information Systems	3	
Economics		Any 200 level Economics course, excluding 0288 and 0289	3	
Subtotal			27	
* Fills International Requirement for the major.				
** Fills Technology requirement for the major.				

Entrepreneurship

Patrick Maggitti, Program Director
215-204-1692
www.sbm.temple.edu/programs/entre.htm

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 two internships. 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

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.

Requirements of Entrepreneurship Major

Required courses				
Department	Course #	Course Name	Hours	RCI
Accounting	0121	Cost Accounting	3	
Finance	0211	Corporate Finance	3	
GSM	0111	Entrepreneurship	3	
GSM	0261*	Software Applications to Business Problems	3	
GSM	0380**	Global Strategic Management	3	
GSM	0385	Internship in Entrepreneurship	3	
GSM	0386	Internship in Entrepreneurship II	3	
GSM	W362	Senior Entrepreneurship Seminar	3	WI
Marketing	0210	Marketing Research	3	
Economics	0200+	Any 200 level Economics courses, excluding Economics 0288 and 0289.	3	
Subtotal			30	
* Technology Course for Entrepreneurship majors.				
** Fills International Requirement for the major.				

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

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.

Requirements of Finance Major

Required courses			
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Department	Course #	Course Name	Hours	RCI
Accounting	0011	Intermediate Accounting I	3	
Finance	0211	Corporate Finance	3	
Finance	0223	Investments	3	
Finance Electives – <i>Choose two:</i>			6	
Finance	0212	Advanced Corporate Finance		
Finance	0213	Management of Financial Institutions		
Finance	0215	Portfolio Theory		
Finance	0218	Derivatives and Financial Risk Management		
Finance	0227	Money and Fixed Income Markets		
Finance	0240	Real Estate Investment and Finance		
Finance	0250	International Financial Markets*		
Finance	0251	International Financial Management*		
International Requirement – <i>Choose one:</i>			0-3	
Finance	0250	International Financial Markets*		
Finance	0251	International Financial Management*		
Economics	0251**	International Monetary Economics		
Economics	0200+	Any 200 level Economics courses, excluding Economics 0288 and 0289**	3	
Business Elective		Select one to two business electives from business departments 0100 - 0399	3-6	
Finance	W350***	Senior Seminar in Financial Management	3	WI
Subtotal			27	
*If either Finance 0250 or 0251 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 0251 is chosen to fulfill the International requirement, you must select a different 200 level Economics course.				
***This course satisfies the writing and the technology requirements for this major.				

Human Resource Management

Dr. Gary Blau, Ph.D., Chair
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The human resource management 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 HRM department offers students the training needed to prepare for this important area of business.

Typical first jobs for HRM 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. 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

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.

Requirements of the Human Resource Management Major

Required courses				
Department	Course #	Course Name	Hours	RCI
HRM	0085	Introduction to Human Resource Management (HRM) (formerly HRM 0200)	3	
HRM	W310*	Organizational Staffing	3	WI
<i>Select two additional 300 level HRM courses from this list:</i>			6	
HRM	0340	Compensation Management		
HRM	0350	Human Resource Mgmt & Public Policy		
HRM	0365	Labor Relations: Strategy & Practice		
HRM	0388	Field Experience in HRM		
<i>Select one additional course from above list or courses listed below:</i>			3	
HRM	0315	Power, Influence & Negotiation		
HRM	0320	Managing People at Work		
HRM	0330	Communicating in Organizations		
International course - select one:			3	
Economics	0250**	International Trade		
Economics	0251**	International Monetary Economics		
Finance	0250	International Financial Markets		
Finance	0251	International Financial Management		
GSM	0380	Global Strategic Management		
HRM	0201	International Human Resource Mgt		
Law and Business	0106	International Law		
Marketing	0250	International Marketing		
Economics**	0200+	Any 200 level Economics course, excluding Economics 0288 and 0289	0-3	
Business Electives		Select two to three electives from business departments 0100 - 0399	6-9	
Subtotal			27	
* HRM W310 will fill the technology requirement for the HRM major.				
** If either Economics 0250 or 0251 is taken to fulfill the Economics 200 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 HRM Department offers three courses that we call our People First sequence to provide Fox School of Business and Management students the edge they need:

- HRM 0315: Power, Influence & Negotiation
- HRM 0320: Managing People at Work
- HRM 0330: 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 and HRM Majors

The Risk Management and Insurance 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.

- HRM major with a RMI concentration. Students take RMI 0205 (Life and Health Insurance and Employee Benefits), and RMI 0325 (Retirement Plans).

- RMI major with a HRM concentration. Students take HRM 0085 (Introduction to Personnel/Human Resource Management), and HRM 0340 (Compensation Management).
 - Dual HRM/RMI major. Students fulfill all requirements for both majors.
- For more information on joint HRM/RMI 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

The International Business Administration major results in a multidisciplinary degree combining courses in international business and language, with a strong, functional business component. The major design enables students to develop an understanding of the various functional areas of international business, preparing students for positions in the government, global corporations, or international public institutions. Necessary skills are developed through specialized international courses in economics, finance, management, HR, law, marketing, and accounting. All International Business majors will complete the requirements for a functional business major. 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.

Additionally, there is an emphasis on language; for without minimal language capability, one is truly handicapped in interpersonal relationships and in international interactions. Courses in language and language certificates are offered through the College of Liberal Arts. To round out and further students' education, study abroad is recommended. Students are provided opportunities to spend a semester or a year abroad in various countries where the University has established business programs. See [Temple CIBER | Study Abroad](#) for information.

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 Latin American Studies and Spanish for Business or Asian Business and Society facilitated by IGMS/CIBER or elective courses offered by the College of Liberal Arts. See [Temple CIBER | Latin American Studies and Spanish for Business](#) and [Temple CIBER | Asian Business and Society Certificate Program](#) 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 (IBA). 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

Students must meet [College Graduation Requirements](#), including the requirements of the major listed below. Students pursuing the International Business major must complete all the requirements of their functional major; these requirements are combined with language fluency and language course work, as well as international course work and experiences. Participation in the International Business Association is expected. 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.

Requirements of International Business Administration Major

Required courses				
Department	Course #	Course Name	Hours	RCI
Requirements of FSBM Functional major*				
IB	0255**	International Trade Theory (ECON 0250)	3	
IB	0381	International Business Practicum	3	WI
<i>Select one of the following:</i>			3	
Accounting	0250	International Accounting		
IB	0256	International Monetary Economics (ECON 0251)		
IB	0265	International Financial Markets (FIN 0250)		
IB	0266	International Financial Management (FIN 0251)		
<i>Select one of the following:</i>			3	
IB	0380	Global Strategic Management (GSM 0380)		
IB	0201	International Human Resource Management (HRM 0201)		

IB	0106	International Law (LAW 0106)		
IB	0250	International Marketing (MKTG 0250)		
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 IB 0255/Econ 0250 class may be able to satisfy the 200+ 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.				

Note: International Business courses are cross-listed with the corresponding functional department. IB Majors must use the IB course number when registering. IB 0381 is no longer considered a writing-intensive course. It is recommended that students take IB 0100 and IB 0101 as Business electives if they have room in their degree program.

Law and Business

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The Law and Business 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 website.

Law and Business 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

Students must meet [College Graduation Requirements](#) including the requirements of the major listed below. Law and Business 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.

Requirements of Law and Business Major

Required courses				
Department	Course #	Course Name	Hours	RCI
Law and Business	0101	Law of Contracts	3	
Law and Business	W112*	Legal Research, Writing and Advocacy	3	WI
Law and Business	0106**	International Law	3	
<i>Select any two of the following:</i>			6	
Law and Business	0103	Law for the Entrepreneur		
Law and Business	0104	The Consumer and the Law		
Law and Business	0105	Sports and the Law		
Law and Business	0107	Constitutional Law		
Law and Business	0108	Law, Technology and E-Commerce		
Law and Business	0109	Law and Ethics in Business		

Law and Business	0110	Business Law for Accountants		
Law and Business	0111	The Litigation Process		
Law and Business	0395	Independent Study		
		or		
Law and Business	0396	Independent Study		
		and		
Real Estate	0103	Real Estate Practice		
Economics	0200+	Any 200 level Economics courses, excluding Economics 0288 and 0289	3	
Business Electives		Select three electives from business departments 0100 - 0399	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 Law and Business, after which they will enroll in Temple University School of Law, leading to the degree of Juris Doctor.

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 Law and Business 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 Law and Business 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 Law and Business and its course offerings, please visit our website 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 program to train business-savvy, technically-proficient entry-level professionals. The MIS major is organized around the concept of *Integration*; organizational systems such as for payroll, customer relationship management, and enterprise resource management tie an organization together, and understanding how these systems integrate business processes and technology is essential to a successful career. Specifically, MIS majors will integrate business processes with MIS solutions by modeling and changing business processes, selecting the best information technology solution, and acquiring the solution by building, integrating, or purchasing systems. Graduates will understand how to integrate information systems vertically within the organization and across as well as how to solve application integration problems.

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, database administrator. All FSBM Management Information System majors are encouraged to join the Association of Management Information Systems (AMIS) and the Association of Computing Machinery (ACM).

Summary of 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 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.

Requirements of Management Information Systems Major

Required courses				
Department	Course #	Course Name	Hours	RCI
MIS	0070	Principles of Information Systems	3	
MIS	0081	Object-oriented Programming I	4	
MIS	0083	Object-oriented Programming II	4	
MIS	0120	Data Communications and Networking	4	
MIS	0130	Database Management Systems	4	
MIS	0240	User Interface Design	4	
MIS	W201	Business Process Analysis	3	WI
MIS	W301	Information Systems Implementation	3	WI
<i>Select one MIS elective:</i>			3-4	
MIS	0137	Client/Server Development using Object Oriented Programming		
MIS	0210	Electronic Commerce Site Design		
MIS	0288	Co-op Experience in MIS		
MIS	0310	Strategic Management of Information Technology		
MIS	0394	Special Topics: Topics may change		
<i>Select one:</i>			3	
Economics	0250*	International Trade		
Economics	0251	International Monetary Economics		
Subtotal			35-36	
* Economics 0250 or 0251 will satisfy the International requirement and the 200 level Economics requirement for the MIS major.				
** The technology requirement is filled by courses within the MIS major.				

Marketing

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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

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.

Requirements of Marketing Major

Required courses				
Department	Course #	Course Name	Hours	RCI
Marketing	W160	Consumer & Buyer Behavior	3	WI
Marketing	0210*	Marketing Research	3	
Marketing	0250	International Marketing	3	
Marketing	W360	Marketing Strategy Planning	3	WI
Marketing Electives - <i>select two of the following:</i>			6	
Marketing	0182	Advertising		
Marketing	0220	Promotion Management		
Marketing	0221	Sales and Sales Management		
Marketing	0232	eRetailing and SCM		
Marketing	0235	Intro to Physical Distribution Management		
Marketing	0241	Direct Marketing and eMarketing Channels		
Marketing	0245	Principles of Electronic Commerce		
Marketing	0261	B2B Marketing		
Marketing	0395	Event Marketing		
Economics	0200+	Any 200 level Economics courses, excluding Economics 0288 and 0289.	3	
Business Electives		Select two electives from business departments 0100 - 0399	6	
Subtotal			27	
* Satisfies the technology requirement for the major.				

Real Estate

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Forrest Huffman, Undergraduate Advisor
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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

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.

Requirements of Real Estate Major

Required courses				
Department	Course #	Course Name	Hours	RCI
Accounting	0011	Intermediate Accounting I	3	
Finance	0211	Corporate Finance	3	
Finance	0240	Real Estate Investment and Finance	3	
Real Estate	0101	Real Estate Fundamentals	3	
Real Estate	0103	Real Estate Practices	3	
International Requirement – choose one of the following three:			3	
Finance	0250	International Financial Markets		
Finance	0251	International Financial Management		
Economics	0251	International Monetary Economics		
Economics	Elective	Select one from the following list: ECON 0201; 0202; 0240; 0241; 0245; 0283; or 0287.	3	
Finance	W350^	Seminar in Financial Management	3	WI*
Business Electives	Elective	Select one elective from business department 0100 - 0399	3	
Subtotal			27	
^ This course satisfies the writing and the technology requirements for the major.				
*Indicates Writing Capstone.				

Risk Management and Insurance

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<http://sbm.temple.edu/dept/rihm>

Temple University's program in Risk Management and Insurance 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 website at www.sigmachapter.org/mainpage.php.

Major Tracks within Risk Management and Insurance

Students in the RMI 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

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.

Requirements of Employee Benefit Risk Management Major

Required courses				
Department	Course #	Course Name	Hours	RCI
Risk Mgmt & Ins	0205	Life and Health Insurance and Employee Benefits	3	
Risk Mgmt & Ins	0209	Property and Liability Insurance Coverages	3	
Risk Mgmt & Ins	W355	Advanced Topics in Health and Welfare Employee Benefits	3	WI
<i>Select one of the following: *</i>			3	
Risk Mgmt & Ins.	0325	Retirement Plans		
Risk Mgmt & Ins	0339	Actuarial Applications of Risk Mgmt & Insurance		
Healthcare Mgmt	0201**	Healthcare Financing and Information Technology		
Risk Mgmt & Ins**		RMI Electives - one or two courses excluding RMI 0288, 0395, 0396.	3-6	
International course - select one:			3	
Economics	0250***	International Trade		
Economics	0251***	International Monetary Economics		
Finance	0250	International Financial Markets		
Finance	0251	International Financial Management		
GSM	0380	Global Strategic Management		
HRM	0201	International Human Resource Management		
Law and Business	0106	International Law		
Marketing	0250	International Marketing		
Economics^		Any 200 level Economics course, excluding Economics 0288 and 0289.	0-3	
Business Electives		Select one to three electives from business departments 0100 - 0399^^	3-9	
Subtotal			27	
* Courses in this category satisfy the technology requirement for the major.				
** If Healthcare Management 0201 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 RMI requirement for the major.				
*** If Economics 0250 or 0251 is chosen to fulfill the International requirement, you will also satisfy the 200 level Economics requirement. It is the recommendation of the Department that you do not take these courses.				
^ If you did not take Economics 0250 or 0251, it is highly recommended that you take Economics 0203 (Economics of Risk and Uncertainty) or Economics 0262 (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 RMI.				

Requirements of Healthcare Risk Management Major

Required courses				
Department	Course #	Course Name	Hours	RCI
Risk Mgmt & Ins	0205	Life and Health Insurance and Employee Benefits	3	
Risk Mgmt & Ins	0209	Property and Liability Insurance Coverages	3	
Healthcare Mgmt	0101	Introduction to the Health Services System	3	
Healthcare Mgmt	0201*	Healthcare Financing and Information Technology	3	
Economics	0262	Health Economics	3	
<i>Select one of the following:</i>			3	
Risk Mgmt & Ins	W355	Advanced Topics in Health and Welfare Employee Benefits		WI

Risk Mgmt & Ins	W359**	Global Corporate Risk Management		
Risk Mgmt & Ins**	0329	Property and Liability Insurance Company Operations	0-3	
International course - select one:			3	
Economics	0250	International Trade		
Economics	0251	International Monetary Economics		
Finance	0250	International Financial Markets		
Finance	0251	International Financial Management		
GSM	0380	Global Strategic Management		
HRM	0201	International Human Resource Management		
Law and Business	0106	International Law		
Marketing	0250	International Marketing		
Business Electives		Select one to two electives from business departments 0100 - 0399***	3-6	
Subtotal			27	
* Satisfies the technology requirement for the major.				
** If Risk Management & Insurance W359 is taken to fill the capstone writing requirement, the student must also take the prerequisite for the course RMI 0329 (Property & Liability Insurance Company Operations).				
*** Students are strongly recommended to select and complete a second major field of concentration. Please discuss recommended majors with the Chair of RMI.				
Note: It is highly recommended that students take Healthcare Management W301 (Integrated Delivery Systems and Managed Care) as one of their business electives.				

Requirements of Property-Liability/Corporate Risk Management Major

Required courses				
Department	Course #	Course Name	Hours	RCI
Risk Mgmt & Ins	0205	Life and Health Insurance and Employee Benefits	3	
Risk Mgmt & Ins	0209	Property and Liability Insurance Coverages	3	
Risk Mgmt & Ins	0329	Property and Liability Insurance Company Operations	3	
Risk Mgmt & Ins	W359	Global Corporate Risk Management	3	WI
<i>Select one of the following: *</i>			3	
Risk Mgmt & Ins	0325	Retirement Plans		
Risk Mgmt & Ins	0339	Actuarial Applications of Risk Management & Insurance		
Healthcare Mgmt	0201**	Healthcare Financing and Information Technology		
Risk Mgmt & Ins		Any RMI elective course - needed only if HM 0201 is taken in category above	0-3	
International course - select one:			3	
Economics	0250***	International Trade		
Economics	0251***	International Monetary Economics		
Finance	0250	International Financial Markets		
Finance	0251	International Financial Management		
GSM	0380	Global Strategic Management		
HRM	0201	International Human Resource Management		
Law and Business	0106	International Law		
Marketing	0250	International Marketing		
Economics^	0200+	Any 200 level Economics course, excluding Economics 0288 and 0289	0-3	
Business Electives		Select one to three electives from business departments 0100 - 0399^^	3-9	
Subtotal			27	
* Courses in this category satisfy the technology requirement for the major.				
** If Healthcare Management 0201 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 RMI requirement for the major.				
*** If Economics 0250 or 0251 is chosen to fulfill the International requirement, you will also satisfy the 200 level Economics requirement. It is the recommendation of the Department that you do not take these courses.				

^ If Economics 0250 or 0251 is not taken, it is highly recommended that you take Economics 0203 (Economics of Risk & Uncertainty) or Economics 0262 (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 RMI.			

Joint Program for RMI and HRM Majors

The Risk Management and Insurance 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.

- HRM major with a RMI concentration: Students take RMI 0205 (Life and Health Insurance and Employee Benefits) and RMI 0325 (Retirement Plans).
- RMI major with a HRM concentration: Students take HRM 0085 (Introduction to Personnel/Human Resource Management) and HRM 0340 (Compensation Management).
- Dual HRM/RMI major: Students fulfill all requirements for both majors.

For more information on joint HRM/RMI courses, contact Rob Drennan 215-204-8894.

SCHOOL OF COMMUNICATIONS AND 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 is to advance the role of communication in public life. 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, serving the public need for free and open communication.

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 a half-hour weekly news magazine format. The program airs on a cable outlet. The course gives the 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.

Temple/London

The School of Communications and Theater offers a program in London for undergraduate students. Students spend the fall 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 seminars in London 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 seminar on British mass media. These seminars are offered for graduate and undergraduate credit and can be an integral part of a student's coursework.

The seminars, like the fall semester 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 Office of the Dean, 215-204-1961.

Advising

SCT Advising Center
9 Annenberg Hall

2020 N. 13th Street
Philadelphia, PA 19122
215-204-5273
www.temple.edu/sct/sct-advising2
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 on-line via [OWLnet](#). However, all students should meet with their advisors 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 for a graduation review.

Policies and 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

Students must maintain a 2.00 cumulative GPA in their major or track and make satisfactory progress toward their SCT degrees to remain in good academic standing. Students who are not in good academic standing at the end of a semester will be warned for the following semester. Students who are not in good academic standing at the completion of that following semester may be dropped from the SCT programs.

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: all 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 0040 Requirement

Students required to take English 0040 must complete that requirement before enrolling in Journalism 0150 and before enrolling in Strategic and Organizational Communication courses numbered 0050 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 ten 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 126 credits to graduate; completion of the University Core Curriculum; completion of departmental requirements; 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 55 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 one semester prior to the anticipated graduation date.

Program Descriptions

1. Certain courses fulfill multiple requirements. In consultation with your advisor, you will be able to plan your 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 of this *Bulletin*.

Student Contact

For information about the School of Communications and Theater, please contact the SCT Advising Center, 215-204-5273.

Advertising

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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 business, 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, global society. 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 Core Curriculum requirements, including completion of Library Skills Test, also known as the Temple Information Literacy Tutorial ([TILT](#)).
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. 0000 level Advertising courses are prerequisites to 0100 level Advertising courses; 0100 level Advertising courses are prerequisites to 0200 level Advertising courses; 0200 level Advertising courses are prerequisites to 0300 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				
ADV	0050	Intro to Media and Society	3	
ADV	0055	Intro to Advertising	3	
ADV	0065	Persuasive Writing	3	
ADV	0070	Intro to Advertising Research	3	
Department	Course	Course Name	Hours	RCI
Foundation II Courses				
ADV	0110	Advertising Strategy and Positioning	3	
ADV	0120	Advertising Copywriting I	3	
ADV	0125	Intro to Visual Communication	3	
ADV	0130	Advertising Media Planning I	3	
Department	Course	Course Name	Hours	RCI
Advanced Core I				
ADV	0250	Creative Thinking for Advertising	3	
ADV	0290	Diamond Edge Communications	3	
or				
ADV	0295	Advertising Internship	3	
Department	Course	Course Name	Hours	RCI
Advanced Core II				

ADV	0370	Interactive Media, Marketing and Advertising	3	
ADV	W380	Morality, Law and Advertising	3	WI
ADV	0390	Advertising Campaigns	3	
<i>or</i>				
ADV	0395	AAF National Student College Competition	3	
Department	Course	Course Name	Hours	RCI
Track Requirements				
Creative/Copywriting				
ADV	0220	Advertising Copywriting II	3	
ADV	0222	Advertising Copywriting III	3	
ADV	0320	Portfolio	3	
Department	Course	Course Name	Hours	RCI
Creative/Art Direction				
ADV	0225	Advertising Design and Art Direction	3	
ADV	0227	Advertising Design and Video Production	3	
ADV	0320	Portfolio	3	
Department	Course	Course Name	Hours	RCI
Management				
ADV	0230	Advertising Media Planning II	3	
ADV	0235	Marketing Media Products	3	
ADV	0330	Advertising Account Management	3	
Department	Course	Course Name	Hours	RCI
Research				
ADV	0240	Advanced Advertising Research	3	
ADV	0245	Mass Media Research	3	
ADV	0340	Advertising Account Planning	3	

American Culture and Media Arts

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The American Culture and Media Arts major combines faculty and courses from the American Studies program (in the College of Liberal Arts), the Film and Media Arts Department, and the Journalism Department (in the School of Communications and Theater). It is one of the first programs to bridge two schools at Temple, making use of the University's broadest resources. Students may choose this major from either school (CLA or SCT), with the requirements of the major being the same in either case. The major is a response to the fact that mediated culture – film, television, radio, photography, print journalism – has come to dominate the experience of Americans, while at the same time American values and traditions inform our creation and reception of the media.

Students will also develop skills in historical and contemporary research. Majors sign up, in their senior year, for a semester or more of Internship at one of any number of media-related industries and museums in the Philadelphia area, designed to give students practical experience. Academic work and fieldwork are coordinated and keyed to the student's program of study and interests.

Students graduating with the American Culture and Media Arts degree can expect to pursue careers in media-related organizations, e.g., film, video, and radio production; archival and library positions, particularly in media institutions; public relations jobs in media; museum research positions supporting exhibitions and media; and writing about media for publications. Graduates can also pursue advanced training at the graduate level in documentary film production.

Students must meet:

1. University Core Requirements

2. School of Communications and Theater Requirements

3. Major Requirements: A minimum of 36 credits from specific courses is required for the major. (Students may petition for certain "Special Topics" courses to fulfill requirements.)

A full description of the program can be found in the [Intercollegial Programs](#) section of the *Bulletin*.

Broadcasting, Telecommunications and Mass Media

Matthew Lombard, Ph.D., Chair

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Jack Klotz, Assistant Chair

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Department Office:

Annenberg Hall Room 205

Undergraduate Contact:

Bill Mooney, Director of Recruiting

215-204-1884

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www.temple.edu/btmm

The Department of Broadcasting, Telecommunications and Mass Media provides programs of study in the production, management, institutions, and social processes of broadcasting, telecommunications and other communications systems.

Students examine both the history and the emerging future of communications technologies. In addition to coursework in their chosen area of study, all students completing the major will be required to demonstrate competency in critical and analytical skills and a level of computer literacy related to their disciplinary interests in research or creative work.

All students are expected to develop the following competencies:

- Understanding the development of communication theories and technologies, along with approaches to communication drawn from the artistic, humanistic, and social sciences perspectives
- Understanding the operation of communication organizations and their roles in society
- Development of skills required to produce media content in a variety of genres and formats
- Understanding of specialized vocabularies for the academic study of and for professional careers in media

Students may focus in one or more of the following four interrelated areas of coursework:

Production: the writing, editing, and producing of work in radio, television, music and emerging media particularly for commercial, corporate, and instructional purposes.

Organization and Management: business practices and strategies for media and telecommunications institutions, industries, and professional enterprises.

Institutions: history, economics, law, regulation, and policy pertaining to the broadcast, cable, and new technology industries.

Social Processes: the psychological, social, cultural, and political analysis of media, particularly in terms of their impact on everyday life.

Theory and practice are balanced and integrated into all areas of study in Broadcasting, Telecommunications and Mass Media to allow the students to become well-rounded communications professionals, as well as knowledgeable media consumers.

Internships and Senior Seminar

All majors are required to take 1) an internship or practicum and 2) senior seminar, which together are designed to explore each student's professional future upon graduation. Hundreds of businesses, non-profit organizations, and institutions in the Philadelphia and New York metropolitan area and beyond cooperate in providing opportunities for BTMM students to work in relevant professional ways for course credit. Students interested in further academic degrees can serve as research assistants in related media organizations and institutions. To qualify for an internship, students must have at least 63 credits, have a 2.5 GPA in the major, and have completed the BTMM foundation courses.

Requirements for the degree of Bachelor of Arts:

Summary Requirements

- Temple University Core Curriculum requirements, including completion of library orientation, also known as the Temple Information Literacy Tutorial ([TILT](#)).
- School of Communications and Theater requirements.
- Minimum of 40 credits in BTMM, maximum of 54 credits in BTMM.
- Maximum of 71 credits in the School of Communications and Theater.

Major Requirements:

- BTMM Foundation Courses: 0011 (Mass Communication Theory), 0020 (Mass Media and Society) and 0040 (Media in Everyday Life) completed in the first 45 hours at Temple University. Students transferring in 45 or more credits may complete two out 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.
- C- or better in BTMM Core 0011, 0020, 0040
- C- or better in each course fulfilling requirements for major
- At least four courses numbered above 0200 to 0389
- No more than 20 semester hours of transfer credits may be applied to the BTMM major.
- All prerequisites must be met unless otherwise exempted in writing
- BTMM 0395: Senior Seminar in last 30 hours
- At least one of the following: Internship (BTMM 0391) or Practicum (one of BTMM 0371, W372, or W377)
- No more than 12 credits total among internship, practicum, independent study or independent project courses
- GPA 2.00 in major
- No more than 8 credits of Kinesiology activities courses

Suggested Semester-by-Semester Plan

Year 1 Fall				
Department	Course #	Course Name	Hours	RCI
Eng	C050	College Composition	3	CO
Math	C055	College Mathematics or other math core	3	QA
SCT		Freshman Seminar	1	
Select one Foundation course from:				
BTMM	0011	Mass Communication Theory	4	
BTMM	0020	Mass Media and Society	4	
BTMM	0040	Media in Everyday Life	4	
BTMM	Core	Library Orientation (TILT)	0	
Select one Arts Core course from:				
FMA	0155	Intro to Film and Video Analysis	3	
Phil	C061	Art and Society	3	AR
Theater	C025	Acting for Non-Majors	3	AR
	or others		3	
Total			14	

Year 1 Spring				
Department	Course #	Course Name	Hours	RCI
Math	C065	Elements of Mathematical Thought	3	QB
	or other math core			
Select one Foundation Course from:				
BTMM	0011	Mass Communication Theory	4	
BTMM	0020	Mass Media and Society	4	
BTMM	0040	Media in Everyday Life	4	

<i>Select one course from:</i>		Consult with Advisor		
BTMM	0055	Intro to Media Management and Organization	3	
BTMM	0070	Intro to Media Technology	3	
BTMM	0114	Mass Communication Research	3	
BTMM	0123	The Broadcasting System	3	
<i>Select one American Culture Core course from:</i>				AC
Anthro	C064	American Culture	3	
Hist	C068	U.S. History Since 1877	3	
THM	X080	Leisure in American Culture	3	AC/WI
	or others			
IH	X051	Intellectual Heritage I	3	IA
Total			16	

Year 2 Fall				
Department	Course #	Course Name	Hours	RCI
IH	X052	Intellectual Heritage II	3	IB
<i>Select one Sci & Tech Core course from:</i>				SA
Phy	C053	Physics: Motion & Matter	4	
Phy	C055	Light, Art, and Nature	4	
Phy	C067	Acoustics	4	
	or other science core		4	
BTMM		Select 100 or 200 level	3-4	
BTMM	Foundation	Select from 0011, 0020, 0040	4	
<i>Select one Individual and Society course from:</i>				IN
Anthro	R060	Intro to Anthropology	3	
GUS	R055	Urban Society: Race, Class and Community	3	
Law and Business	C001	Law In Society	3	
Phil	C062	Morality and the Law	3	
Soc	R059	The Sociology of Race and Racism	3	
Soc	C066	Money: Who Has It, Who Doesn't, Why It Matters	3	
	or other IN core		3	
Total			17-18	

Year 2 Spring				
Department	Course #	Course Name	Hours	RCI
<i>Select from: SB Science Courses</i>				SB
Sci & Tech			3-4	
<i>Select one International Studies/Lang course from:</i>				IS
Lang	0051		3-4	
Anthro	C061	Cultures of the World	3	IS
Anthro	C065	Origins of Cultural Diversity	3	IS
Dance	C115	Dance in Human Society	3	IS
	or other third world		3	
BTMM	Elective	Select 0200-0389	3-4	
BTMM	Elective	0100-0289	3-4	
Elective		Open Elective - Pick One	3	
Total			15-19	

Year 3 Fall				
Department	Course #	Course Name	Hours	RCI
<i>Select one Writing course from:</i>				WI
BTMM	W273	Writing Workshop	3	

	W321	History of Broadcasting	4	
	W333	Global Telecommunications	4	
	W343	Mass Media and Children	4	
	W349	Advanced Topics	3	
	W372	Broadcast Production Practices	3	
<i>Select one Race course from:</i>				RS
	Core	Race	3	
Elective		Open Elective -Pick One	3	
BTMM Elective	0100-0289	BTMM Elective - Pick One	3	
<i>Select one International Studies/Lang course from:</i>				IS
Lang	0052		3-4	
	or other third world		3	
Total			15-17	

Year 3 Spring				
Department	Course #	Course Name	Hours	RCI
BTMM	0200-0389	BTMM Elective - Select one	3-4	
Elective		Open Elective - Select one	3	
Elective		Open Elective - Select one	3	
BTMM	0200-0389	BTMM Elective - Select one	3-4	
Elective		Open Elective - Select one	2	
Elective		Open Elective - Select one	3	
Total			17-19	

Year 4 Fall				
Department	Course #	Course Name	Hours	RCI
Elective		Open Elective - Select one	3	
BTMM	0391	Internship	2	
BTMM	0395	Senior Seminar	3	
BTMM	Elective	BTMM Elective - Select one	3-4	
Elective		Open Elective - Select one	2	
Elective		Open Elective - Select one	3	
Total			16-17	

Year 4 Spring				
Department	Course #	Course Name	Hours	RCI
BTMM	Elective	BTMM Elective - Select one	3-4	
BTMM	0391	Internship	2	
Elective		Open Elective - Select one	3	
Elective		Open Elective - Select one	3	
Elective		Open Elective - Select one	3-4	
Total			15-17	

***Four year total must equal 126 credit hours.**

Communications Major

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www.temple.edu/sct/comm-major/index.html

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 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, including the University Core Curriculum, and School requirements, with a minimum of 126 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	0011	Mass Communication Theory	4	
BTMM	0055	Intro. to Media Management and Organization	3	
FMA	0155	Introduction to Film and Video Analysis	3	
JOUR	C055	Journalism and Society	3	IN
JOUR	0150	Writing for Journalism	3	
STOC	0065	Public Speaking	3	
Theater	C110	The Collaborative Art	3	AR
Comm	0396	Communications Senior Seminar	3	

- Distribution Requirement: Three SCT courses from three different departments. If numbered 200-300, these courses can also satisfy the level requirements below.
- Required SCT Course Levels: 200 or above: Minimum four courses and 12 credits. 300 or above: Minimum two courses and 6 credits (Internships and Independent Studies are excluded from this category). Outside SCT at 100 or above: 12 credits.
- At least four other courses (minimum 12 s.h.) in the major must be taken from SCT courses at the 200 level or higher. Internships, Independent Study, Special Projects, and Senior Seminar may not be used to fulfill this requirement.
- At least two courses (minimum 6 s.h.) in the Major must be taken from SCT courses at the 300 level, including one writing-intensive course. (Permission of the instructor may be required for Main Campus upper-division production courses in BTMM and FMA because of space limitation. Prerequisites in all departments apply.) Internships, Independent Study, Special Projects, and Senior Seminar may not be used to fulfill this requirement.
- Students must take, beyond the eight (8) required courses, one course in each of three (3) different SCT departments. This can be satisfied through SCT prerequisites, SCT distribution courses [Selected 200 and 300 level courses above] or SCT electives.
- At least 12 s.h. outside of SCT must be taken at the 100 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 and Media Arts

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www.temple.edu/fma/

The Film and Media Arts 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 will be trained in developing content as well as craft, theory, and practice. In learning independent and commercial 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 and television industries.

The department brings in guest media makers and visiting professors from diverse backgrounds for special lectures and workshops. Students may also select elective courses from other departments in the School of Communications and Theater in such areas as telecommunications, journalism, and theater. A highly-recognized graduate program offers undergraduates numerous opportunities to work on advanced productions and participate in advanced research 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 entire Film and Media Arts faculty will participate in the review of each student's work in the Basic Core production/studies courses.

Special Programs and Internships

The Film and Media Arts Department offers special programs for study and research in London, Rome, and Tokyo. Additionally, many organizations in the Philadelphia, New York, and Washington, D.C. metropolitan areas cooperate in providing opportunities for student professional internships. The department also offers a summer internship program in Los Angeles.

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 126 credit hours. Students must complete:

1. University Core requirements
2. School of Communications and Theater requirements
3. At least 42 credits and no more than 54 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 begin the 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	0100	Media Arts I	4	
FMA	0101	Media Arts II	4	
FMA	0102	The Production of Media Culture	3	
FMA	0155	Intro to Film and Video Analysis	3	

At the completion of these courses, students will choose to enter the Production Thesis, the Media Culture Thesis, or the Non-Thesis sequence.

Production Thesis Sequence

Sequence Directors:

Eran Preis

215-204-6991

epreis@temple.edu

Michelle Parkerson

215-204-9598

mparkers@temple.edu

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 Senior Project 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	0200	Videography	4	
		or		
	0210	Film Making		
		or		
	0241	Experimental Video and Multimedia		
FMA	0201	Writing for Media	4	
FMA		Production Elective	4	
FMA		Studies or second Production Elective	4	
FMA	0382	Senior Project I	4	
FMA	0383	Senior Project II	4	
FMA		Advanced Writing Intensive Elective	4	WI

Media Culture Thesis Sequence

Paul Swann, Sequence Director

215-204-1735

pswann@temple.edu

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	0200	Videography	4	
		or		
	0210	Film Making		
		or		
	0241	Experimental Video and Multimedia		

FMA		200 or 300 level Studies Course*	4	
FMA		200 level Production or Studies Elective	4	
		(with faculty advisor's approval)		
FMA		200 level Production or Studies Elective	4	
		(with faculty advisor's approval)		
FMA	0380	Senior Media Culture Thesis I**	4	
FMA	0381	Senior Media Culture Thesis II	4	
FMA		300 level Production or Studies Elective	4	
*A writing intensive course will also fill the requirement for an advanced writing intensive studies course listed below.				
**Serves as required advanced writing intensive course.				

General Sequence

Michael Kuetemeyer, Sequence Director
215-204-3922
mku@temple.edu

This sequence is designed for students who wish to have a more general approach to the major. Working closely with their advisors, students will choose from a range of studies; this includes elective courses that complete a balanced, liberal arts approach to media study. Students take one production or writing course in videography, experimental video, film, or screenwriting. Students may take one additional 300-level production or screenwriting course for which they have completed the prerequisite. 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	0200	Videography	4	
		<i>or</i>		
	0210	Film Making		
		<i>or</i>		
	0241	Experimental Video and Multimedia		
FMA		200 or 300 level Studies Course*	4	
FMA		200 level Studies Elective	4	
		(with faculty advisor's approval)		
FMA		200 level Studies or Production Elective	4	
		(with faculty advisor's approval)		
FMA		Advanced Writing Intensive Studies Elective	4	WI
FMA		300 level Studies Elective		
		(with faculty advisor's approval)	4	
FMA		300 level Production Elective	4	
		(for which the student has completed the prerequisites)		
		<i>or</i>		
		300 level Studies Elective	4	
		(with faculty advisor's approval)		
*A writing-intensive course will also fill the requirement for an advanced writing-intensive studies course listed below.				

Department of 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 and sciences. The department also believes that effective writing is central to communication and is, therefore, integral to the department curriculum.

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, graphic designers, 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 media honor society, Kappa Tau Alpha. Additionally, every spring the department awards thousands of dollars in scholarships to deserving majors. Once a year, the department holds an induction ceremony for the outstanding majors and hosts a nationally-known speaker.

There are also active student organizations affiliated with national groups. 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 126 semester hours of credit with a cumulative average of 2.0 overall and in the major.

Students must meet:

1. University Core requirements
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, some of which also count toward the University Core Curricular requirements:

Degree Requirements				
Department	Course #	Course Name	Hours	RCI
History	CO67	U.S. History to 1877	3	AC
History	CO68	U.S. History since 1877	3	AC
Political Science	CO51	The American Political System	3	AC
Political Science	0145	American State and Local Politics	3	
Sociology	CO50	Intro to Sociology	3	IN
<i>Plus one of the following:</i>				
Economics	CO50	Introduction to the Economy	3	IN
Economics	CO51	Macroeconomic Principles	3	IN
Economics	CO52	Microeconomic Principles	3	IN
Economics	CO55	Global Economic Issues	3	IS
Economics	R065	Economics of Diversity	3	RS
<i>Plus one of the following:</i>				
Statistics	C021	Statistical Methods and Concepts	3	QB
Mathematics	C067	Elements of Statistics	3	QB
Psychology	C067	Foundations of Statistical Methods	3	QB
Sociology	C067	Social Statistics	3	QB

Total			21	

Of the 126 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 126 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 Sec. Ed. 0317, Topical Studies, 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 0040 must complete that requirement before enrolling in Journalism 0150.

Specific Major Requirements

To receive the degree of Bachelor of Arts, students must satisfactorily complete a minimum of 126 credit hours in the University with at least 35 credits in Journalism (depending on the sequence) but no more than 46 credits in Journalism; Broadcasting, Telecommunication and Mass Media (BTMM); or Advertising. Students are cautioned to plan their program so they do not exceed the 46-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 C055 (Journalism and Society) and Journalism 0150 (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
JOUR	C055	Journalism and Society	3	IN
JOUR	0150	Writing for Journalism	3	
JOUR	0151	Audio/Visual Newsgathering Techniques	3	
JOUR	0152	Design for Journalism	3	
Total			12	
Advanced Courses				
Department	Course #	Course Name	Hours	RCI
JOUR	0260	Electronic Information Gathering	3	
JOUR	W382	Journalism and the Law	3	WI
JOUR		Studies Elective	3	
Total			9	
Capstone Course				
Department	Course #	Course Name	Hours	RCI
JOUR	0388	Multimedia Urban Reporting Lab	4	

Sequence Requirements				
See individual Sequence sections				
Total Number of Journalism Credits required = 35-38, depending on sequence				

Note: Students placed into English 0040 must pass (with a C or better) the two-credit Mass Media Writing lab, JOUR 0051. Completion of JOUR CO55 and 0150 with grades of C or better is required before students enroll in any Journalism classes numbered higher than 0150.

Broadcast Journalism Sequence

Karen Turner, JD, Director
215-204-8386
kturner@temple.edu

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 Courses				
Department	Course #	Course Name	Hours	RCI
JOUR	0234	Broadcast News Writing	3	
JOUR	0336	Radio News Reporting	3	
JOUR	0337	Television News Reporting	3	
JOUR	0338	Broadcast News Producing	3	
Recommended Electives				
Department	Course #	Course Name	Hours	RCI
JOUR	0216	Broadcast Performance	4	
JOUR	0372	Production Practicum - Temple Update	3	

Magazine Sequence

Laurence Stains, Director
215-204-1844
lstains@temple.edu

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
JOUR	0222	Introduction to Magazines	3	
JOUR	W231	Magazine Article Writing	3	WI
<i>Choose two of the following:</i>				
Department	Course #	Course Name	Hours	RCI
JOUR	0354	Magazine Article Editing	3	
JOUR	0355	Advanced Magazine Writing	3	
JOUR	0356	Publication Design	3	

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

JOUR	O251	Public Affairs Reporting	3	
JOUR	O255	Editing the News	3	
JOUR	O344	Investigative Reporting	3	
JOUR	O389	Internship	1-3	

Photography for the Mass Media Sequence

Edward J. Traves, Ph.D., Director
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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
JOUR	0362	Photography	4	
JOUR	0363	Photojournalism	2	
JOUR	0366	Documentary Photography	3	
JOUR	0368	Photography Seminar I	2	
JOUR	0369	Photography Seminar II	2	
Recommended Electives:				
Department	Course #	Course Name	Hours	RCI
JOUR	0360	Visual Communication	3	
JOUR	0364	Photographic Portfolio	2	
JOUR	0365	Photography Special Projects	1-4	

New Media Interdisciplinary Concentration

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The New Media Interdisciplinary Concentration 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 200/300 level.

The following courses are required for the NMIC concentration:

Department	Course #	Course Name	Hours	RCI
NMIC	0001	Intro to Interdisciplinary New Media	3	
NMIC	0002	Introduction to Interdisciplinary New Media 2	3	
NMIC	0302	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 and Organizational Communication

Aram A. Aghazarian, Chair
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The Department of Strategic and Organizational Communication 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 126 semester hours of credit with a cumulative average of 2.0 overall and in the major. Students must meet:

1. University requirements
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	0065	Public Speaking	3	
STOC	0070	Communicating Leadership	3	
STOC	0100	Introduction to Communication Theory	3	
STOC	0160	Strategies and Tactics of Persuasion	3	

Department Concentrations

The department offers three concentrations: Public Communication, Organizational Leadership, 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.

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 s.h.)	
Department Core Requirements			(12 s.h.)	
Concentration Core Requirements			(18 s.h.)	
Department	Course #	Course Name	Hours	RCI
STOC	R150	Campaigns and Movements	3	WI, AC, RS
STOC	0164	Argumentation	3	

STOC	0260	Political Communication	3	
STOC	0264	Rhetorical Theory	3	
STOC	W350	Analysis of Public Discourse	3	WI
STOC	0360	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	0170	Introduction to Organizational Communication	3	
STOC	0270	Leading Groups and Team Building	3	
STOC	0221	Introduction to Public Relations	3	
STOC	0139	Special Topics in Public Relations	3	
STOC	0239	Special Topics in Public Relations	3	
STOC	0339	Special Topics in Public Relations	3	
Recommended Courses outside the Department				
Department	Course #	Course Name	Hours	RCI
Psychology	0041	Social Psychology	3	
AOD	0214	Conflict and Communication	3	
AOD	0314	Negotiation and Mediation	3	
Phil	0062	Morality and the Law	3	
PoliSci	0150	U.S. Public Policy	3	
PoliSci	0151	Public Policy Analysis	3	
Engl	0181	Literature and Criticism	3	
Engl	0384	Theories of Discourse	3	
HRM	0315	Power, Influence, and Negotiation	3	
Special Topics, Independent Study, and Internships				
Department	Course #	Course Name	Hours	RCI
STOC	0166	Special Topics in Public Communication	3	
STOC	0266	Special Topics in Public Communication	3	
STOC	0366	Special Topics in Public Communication	3	
STOC	0367	Independent Study in Public Communication	1-4	
STOC	0368	Independent Study in Public Communication	1-3	
STOC	0369	Internship in Public Communication	3	

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 s.h.)	
Department Core Requirements			(12 s.h.)	
Concentration Core Requirements			(12 s.h.)	
Department	Course #	Course Name	Hours	RCI
STOC	0170	Introduction to Organizational Communication	3	
STOC	0270	Leading Groups and Team Building	3	
STOC	0272	Research Methods	3	
STOC	0370	Collaborative Advocacy (Capstone)	3	
Required Courses in other STOC Concentrations			(6 s.h.)	
Department	Course #	Course Name	Hours	RCI
STOC	0221	Introduction to Public Relations	3	
STOC	W350	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	0183	Leading Mediated Groups and Organizations	3	
STOC	0282	Global Communication and Leadership	3	
STOC	W284	Diverse Communication and Leadership	3	WI
STOC	0380	Communicating Organizational Change (Preq: STOC 0170)	3	
STOC	0383	Organization Networks and Networked Organizations (Preq: STOC 0170)	3	
STOC	0385	Special Topics in Organizational Leadership	3	
STOC	W398	Independent Research in Organizational Leadership	3	WI
STOC	0399	Internship in Organizational Research	3	

Recommended Courses outside the department

Department	Course #	Course Name	Hours	RCI
AOD	0066	Interpersonal Communication through the Life Span	3	
AOD	0214	Conflict and Communication	3	
AM ST	C062/HO92	Working in America	3	AC
HIST	0103/H193	World Economy since 1945	3	
HRM	0200	Introduction to Human Resources Management	3	
Legal St	W109	Law and Ethics in Business	3	WI
MIS	0085	Principles of Information Systems	4	
PHIL	C050	Philosophical Challenges to the Individual	3	IN
POLISCI	0158	Business and Public Policy	3	
PSYC	0215	Foundations of Industrial and Organizational Psychology	3	
SOC	W248	Sociology of Organizations	3	WI

Special Topics and Independent Study

Department	Course #	Course Name	Hours	RCI
STOC	0185	Special Topics in Organizational Leadership	3	
STOC	0285	Special Topics in Organizational Leadership	3	
STOC	0385	Special Topics in Organizational Leadership	3	
STOC	0397	Independent Study in Organizational Leadership	3	
STOC	W398	Independent Research in Organizational Leadership	3	WI
STOC	0399	Internship in Organizational Leadership	3	

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, and persuasion, and is satisfied through completion of 36 semester hours with a cumulative average of 3.0 in the major.*

Required Courses for Public Relations Concentration			(36 credits)	
Department Core Requirements			(12 s.h.)	
Concentration Core Requirements			(18 s.h.)	
Department	Course #	Course Name	Hours	RCI
STOC	W110*+	News Writing and Media Relations	3	WI
STOC	0220	Media Information Gathering and Evaluation	3	
STOC	0221	Introduction to Public Relations	3	
STOC	0223	Fundamentals of Public Relations	3	
STOC	W323	Advanced Public Relations Writing	3	WI
STOC	0324	Public Relations Management and Problems (capstone)	3	
*Required course for all PR majors. Prerequisite for STOC 0220, 0221, 0223, 0323, and 0324. May take concurrently with STOC 0220 and 0221 with special permission.				
+Transfer students whose previously accepted credits do not meet this requirement may take concurrently with STOC 0220 and 0221 with special permission.				
Required Courses in other STOC Concentrations			(6 s.h.)	
Department	Course #	Course Name	Hours	RCI
Select one course from the following:				
STOC	0170	Introduction to Organizational	3	

		Communication		
STOC	0270	Leading Groups and Team Building	3	
STOC	0282	Global Communication and Leadership	3	
STOC	0380	Communicating Organizational Change	3	
<i>Select one course from the following:</i>				
STOC	R150	Campaigns and Movements	3	
STOC	0164	Argumentation	3	
STOC	0260	Political Communication	3	
STOC	0264	Rhetorical Theory	3	
STOC	W350	Analysis of Public Discourse	3	WI
Recommended Courses outside the Department				
Department	Course #	Course Name	Hours	RCI
Journalism	0382	Law and Ethics	3	
Marketing	0081	Introduction to Marketing	3	
Political Science	C051	The American Political System	3	AC
Psychology	C060	Psychology as a Social Science	3	IN
Special Topics, Independent Study, and Internships				
Department	Course #	Course Name	Hours	RCI
STOC	0139	Special Topics in Public Relations	3	
STOC	0239	Special Topics in Public Relations	3	
STOC	0339	Special Topics in Public Relations	3	
STOC	0338	Directed Readings in Public Relations	3	
STOC	0334	Independent Study in Public Relations	3	
STOC	0337	Internship in Public Relations	3	

Theater

Daniel Boylen, Chair
Kimmika Williams-Witherspoon, Ph.D., Undergraduate Advisor
Tomlinson Theater 200
215-204-8417
kwilli01@temple.edu
www.temple.edu/theater

The objective of the undergraduate curriculum in Theater is to introduce students to the broad view of the theater as an important cultural institution and at the same time provide the opportunity to develop creative, cognitive, and communication skills.

Specifically, we aim to:

- Offer essential training in theater and the related arts so that the student is prepared for further training and/or experience at the graduate and/or professional levels;
- Provide the opportunity for the student to develop as high a level of cognitive and communications (reading, writing, speaking, movement) skills as the individual's own capacities permit;
- Provide through the production program an arena for optimum development of social and living skills; and
- Cultivate the enlargement of interests to the end that the student's potential for achievement, life enjoyment, and responsibility to a democratic and diverse society is vastly extended.

These objectives are facilitated by the University requirement that all undergraduate students complete a common Core of approximately 36 credits in addition to their major area. Further, the department requires study in one subject outside of Theater to encourage further the enlargement of the student's interests.

In addition to the intensive classes in all disciplines, the department encourages workshop productions done by students, faculty, or staff. These opportunities augment participation in major productions and are a natural extension of classroom work.

The student's curriculum is intended to balance work within the Department of Theater and work in broad areas of education outside the department with practical experience in the many phases of theater production. The successful student can leave

the program with a background of basic skills and information as well as practical experience in the theatrical discipline. The Theater major provides an excellent educational opportunity for students, regardless of career objectives.

The Theater department is accredited by NAST, The National Association of Schools of Theater.

Faculty Advising

Advising is an important part of the education of students in Theater. Majors are first assigned to the Academic Advising Center and later to a faculty advisor. Students are encouraged to consult their advisor on academic matters, production experiences, and career objectives.

Requirements for the Degree

The Bachelor of Arts degree in Theater is organized to provide Theater core courses that each entering class takes together throughout their four-year program and emphasis areas that can be selected. The degree will be awarded to students who have met the following requirements:

- Graduation requirements of Temple University, including successful completion of the University Core Curriculum.
- Completion of the following required Theater foundation courses with a grade of C or better in each course
- Completion of a minimum of 63 s.h. outside of Theater
- No more than 20 credits of work in the major field may be transferred from another institution. Students must complete at least 16 s.h. of Theater credits at Temple.
- 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 0040 and the required mathematics course(s).

Theater Foundation Courses

Department	Course #	Course Name	Hours	RCI
Theater	0119	Creativity: Basic	3	
Theater	0011	Introduction to Theater Process	3	
Theater	0027	Introduction to Acting	3	
Theater	0041	Technical Theater Production	3	
Theater	0243	Principles of Design	3	
Theater	W303	Classical Tradition	3	WI
Theater	W304	The Romantic Tradition	3	WI
Theater	0305	Modern Directions	3	
Theater	0307	Seminar in Drama	3	
		<i>or</i>		
	0372	History of Modern Scenic Design	3	
		<i>or</i>		
	0312	American Musical Theater	3	
Theater	0335	Introduction to the Director's Art	3	
Theater	0100	Production Practicum		
		(1 s.h. each semester the student is enrolled as a major)	Up to 8	
Art History	Elective	One course	3	AR
		(may also satisfy the University Core Curriculum Arts requirement)		
Required Elective		One course in non-dramatic literature	3	
		Exploratory concentration 12 s.h. in any one department or interdisciplinary study planned with the student's advisor and approved by the Department Chair.	** 12	

** The concentration may include the required course in art history or the required course in non-dramatic literature. It may not include English C050.

The following courses can be repeated for credit in Theater:

Department	Course #	Course Name	Hours	RCI
Theater	0117	Performance Art	3	

Theater	0121	Voice for the Actor	3	
Theater	0123/0223	Basic Movement/Movement for the Actor	3	
Theater	0125	Acting Workshop	3	
Theater	0126	Basic Acting Technique	3	
Theater	0127	Speech for the Actor	3	
Theater	0225	Intermediate Acting	3	
Theater	0246	Stage Management I	3	
Theater	0277	Scene Painting II	3	
Theater	0307	Seminar in Drama	3	
Theater	0319	Acting for Film and TV	3	
Theater	0325	Advanced Acting	3	
Theater	0328	Stage Combat	3	

Requirements for a Minor in Theater

Transfer credits are not accepted for credit for the minor in theater. Students must receive the permission of their advisor before starting in this program. Once the minor has been approved, students must follow the academic rules of the Department of Theater for all theater courses. Minor credit is not given for theater grades below C. Students must maintain at least a 2.0 GPA in the minor. Students with Theater averages under 2.0 for more than two semesters will be dropped from the program. Students with averages under 2.0 may not begin the program.

Requirements for the Minor in Theater				
Required Courses				
Department	Course #	Course Name	Hours	RCI
Theater	C110	Collaborative Art	3	AR
Theater	0011	Introduction to Theater Process	3	
Theater	0100	Production Practicum (Two Semesters)	2	
Theater	W303	The Classical Tradition	3	WI
	W304	The Romantic Tradition	3	WI
	0305	Modern Directions	3	
** Plus three courses from the selection below for a total of 20 s.h. **				
The minor course studies should be developed with an advisor in the Department of Theater.				

Additional courses for students interested in theater history and literature				
Department	Course #	Course Name	Hours	RCI
Theater	W303	The Classical Tradition	3	WI
Theater	0305	Modern Directions	3	
Theater	0372	History of Modern Scenic Design	3	
Theater	W304	The Romantic Tradition	3	WI
Theater	0307	Seminar in Drama	3	
Theater	0363	History of Costume and Architectural Decor	3	

Additional courses for students interested in theater performance				
Department	Course #	Course Name	Hours	RCI
Theater	C025	Acting for Non-Majors	3	AR
Theater	0120	Basic Acting II	3	
Theater	0126	Basic Acting Technique	3	
Theater	0225	Intermediate Acting	3	
Theater	0325	Advanced Acting	3	
Theater	0121	Voice for the Actor	3	
Theater	0123	Basic Movement	3	
Theater	0127	Speech for the Actor	3	
Theater	0223	Movement for the Actor	3	

Additional courses for students interested in theater design and technology				
Department	Course #	Course Name	Hours	RCI
Theater	0041	Technical Theater Production	3	
Theater	0276	Scene Painting I	3	
Theater	0351	Lighting for the Theater	3	
Theater	0360/0361	Costume Design I/Costume Design II	3-4	
Theater	0341	Technical Direction for the Theater	3	
Theater	0243	Introduction to Design	3	
Theater	0373	Drawing and Rendering Technique	3	
Theater	0352/0353	Lighting Design I/Creativity in Lighting	3	
Theater	0378/0379	Scene Design I/Scene Design II	3	

Additional courses for students interested in theater producing/directing				
Department	Course #	Course Name	Hours	RCI
Theater	0041	Technical Theater Production	3	
Theater	0246	Stage Management I	3	
Theater	C025	Acting for Non-Majors	3	AR
Theater	0335	Introduction to the Director's Art	3	
Theater	0243	Introduction to Design	3	

The following are suggested four-year course plans for the student entering with no high school deficiencies and passing the placement tests in English and mathematics:

General Theater Studies

First Year				
Department	Course #	Course Name	Hours	RCI
Theater	0011	Introduction to the Theater Process	3	
Theater	0027	Introduction to Acting	3	
Theater	0119	Creativity: Basic	3	
Theater	0100	Production Practicum (Both Semesters)	2	
English	C050/R050	College Composition (First Semester – Core)	3	CO/RS
IH	X051	Intellectual Heritage (Second Semester)	3	IA
Core		Core Elective: American Culture	3	AC
Core		Core Elective: Quantitative Reasoning A core (First Semester)	3	QA
Core		Core Elective: Quantitative Reasoning B core (Second Semester)	3	QB
Electives		<i>Select two: Open Electives</i>	6-8	

Second Year				
Department	Course #	Course Name	Hours	RCI
Theater	0041	Technical Theater Production	3	
Theater	0243	Introduction to Design	3	
Theater	0100	Production Practicum (both semesters)	1	
Elective		<i>Select one: Theater or Open Elective</i>	3-4	
IH	X052	Intellectual Heritage (Core)	3	IB
Core		Core Elective: Science A (First Semester)	4	SA
Core		Core Elective: Science B (Second Semester)	3-4	SB
Core		<i>Select one: Core Elective</i>	3	
Elective		<i>Select one: Open Elective</i>	3-4	
Art History		(Theater Core) (See Advisor)	3	
		Exploratory Concentration ¹ (See Note at End)		

Third Year				
Department	Course #	Course Name	Hours	RCI
Theater	W303	The Classical Tradition	3	WI
Theater	W304	The Romantic Tradition	3	WI
Theater	0100	Production Practicum (Both Semesters)	2	
Elective		<i>Select one:</i> Theater or Open Elective	3-4	
Core		Non-Dramatic Literature (Theater Core)	3	
Core		Core Elective: Language or International Studies	3-4	LA or IS
Core		Core Elective: Language or International Studies	3-4	LB or IS
Core		Core Elective: Individual and Society	3	IN
Electives		<i>Select two:</i> Open Electives	6-8	
		Exploratory Concentration ¹ (See Note at End)		

Fourth Year				
Department	Course #	Course Name	Hours	RCI
Theater	0305	Modern Directions	3	
Theater	0307	Seminar in Drama	3	
	0372	<i>or</i> History of Modern Scenic Design	3	
	0312	<i>or</i> American Musical Theater	3	
Theater	0335	Introduction to Director's Art	3	
Theater	0100	Production Practicum (Both Semesters)	2	
Electives		<i>Select two:</i> Theater or Open Electives	6-8	
Electives		<i>Select three:</i> Open Electives	9-12	
		Exploratory Concentration ¹ (See Note at End)		

Acting Emphasis

First Year				
Department	Course #	Course Name	Hours	RCI
Theater	0011	Introduction to Theater Process	3	
	0027*	Introduction to Acting	3	
	0100	Production Practicum (Both Semesters)	2	
	0119*	Creativity: Basic	3	
English	C050/R050	College Composition (First Semester)	3	CO/RS
IH	X051	Intellectual Heritage (Second Semester)	3	IA
Core	Elective	American Culture	3	AC
Core	Elective	Quantitative Reasoning A core (First Semester)	3	QA
Core	Elective	Quantitative Reasoning B core (Second Semester)	3	QB
Elective		<i>Select one:</i> Open Elective	3-4	

Second Year				
Department	Course #	Course Name	Hours	RCI
Theater	0041	Technical Theater Production	3	
Theater	0100	Production Practicum (Two Semesters)	1	
Theater	0121*	Voice for the Actor	3	
Theater	0123*	Basic Movement	3	
Theater	0126*	Basic Acting Technique	3	
Theater	0243	Introduction to Design	3	
IH	X052	Intellectual Heritage (Core)	3	IB
Core		Core Elective: Science A (First Semester)	4	SA
Core		Core Elective: Science B (Second Semester)	3-4	SB
		Elective or Exploratory Concentration ¹ (See Note at End)		
Art History		(Theater Core) (See Advisor)		

Third Year				
Department	Course #	Course Name	Hours	RCI
Theater	0127*	Speech for the Actor	3	
Theater	0225*	Intermediate Acting	3	
Theater	W303	The Classical Tradition	3	WI
Theater	W304	The Romantic Tradition	3	WI
Theater	0328	Stage Combat	3	
Theater	0100	Production Practicum (Both Semesters)	2	
Core		Core Elective: Language or International Studies	3-4	LA or IS
Core		Core Elective: Language or International Studies	3-4	LB or IS
Core		Core Elective: Individual and Society	3	IN
		Non-Dramatic Literature (Theater Core) (See Advisor)		
		Exploratory Concentration ¹ (See Note at End)		

Fourth Year				
Department	Course #	Course Name	Hours	RCI
Theater	0305	Modern Directions	3	
Theater	0307	Seminar in Drama	3	
	0372	History of Modern Scenic Design	3	
	0312	American Musical Theater	3	
Theater	0325*	Advanced Acting	3	
Theater	0326*	Thesis for Acting Emphasis	3	
Theater	0329*	Theater as a Profession	3	
Theater	0335	Introduction to the Director's Art	3	
Theater	0100	Production Practicum (Both Semesters)	2	
Electives		<i>Select two:</i> Open Electives	3-4	
		Exploratory Concentration ¹ (See Note at End)		

NOTE: Asterisk (*) indicates required course for the Acting Emphasis. Each course in this Emphasis must be passed with a B or better in order to move on to the next level.

Design Emphasis

First Year				
Department	Course #	Course Name	Hours	RCI
Theater	0011	Introduction to Theater Process	3	
Theater	0027	Introduction to Acting	3	
Theater	0041	Technical Theater Production	3	
Theater	0119	Creativity: Basic	3	
Theater	0100	Production Practicum (Both Semesters)	2	
English	C050/ R050	College Composition (First Semester)	3	CO/ RS
IH	X051	Intellectual Heritage (Second Semester)	3	IA
Core		Core Elective: American Culture	3	AC
Core		Core Elective: Quantitative Reasoning A (First Semester)	3	QA
Core		Core Elective: Quantitative Reasoning B (Second Semester)	3	QB
Elective		Open Elective	3-4	

Second Year				
Department	Course #	Course Name	Hours	RCI
Theater	0243	Principles of Design	3	

Theater	0351	Lighting for the Theater	3	
Theater	0373	Drawing and Rendering Techniques	3	
Theater	0352	Lighting Design I	3	
		<i>or</i>		
	0378	Scene Design I	3	
		<i>or</i>		
	0360	Costume Design I	4	
Theater	0100	Production Practicum (Both Semesters)	2	
IH	X052	Intellectual Heritage (Core)	3	IB
Core		Core Elective: Science A (First Semester)	4	SA
Core		Core Elective: Science B (Second Semester)	3-4	SB
Core		Core Elective: Individual and Society	3	IN
		Art History (Theater Core) (See Advisor)	3	

Third Year				
Department	Course #	Course Name	Hours	RCI
Theater	W303	The Classical Tradition	3	WI
Theater	W304	The Romantic Tradition	3	WI
Theater	0341	Technical Direction for the Theater	3	
		<i>or</i>		
	0351	Lighting for the Theater	3	
		<i>or</i>		
	0367	Costume Production	3	
		<i>and</i>		
Theater	0363	History of Costume and Architectural Décor	3	
Theater	0378	Scene Design I	3	
		<i>or</i>		
	0352	Lighting Design I	3	
		<i>or</i>		
	0368	Draping and Flat Pattern Drafting	3	
Theater	0100	Production Practicum (Both Semesters)	2	
Elective		<i>Select one:</i> Theater or Open Elective	3-4	
Core		Core Elective: Language or International Studies	3-4	LA or IS
Core		Core Elective: Language or International Studies	3-4	LB or IS
Elective		<i>Select one:</i> Open Elective		
		Non-Dramatic Literature (Theater Core) (See Advisor)		
		Exploratory Concentration ¹ (See Note at End)		

Fourth Year				
Department	Course #	Course Name	Hours	RCI
Theater	0305	Modern Directions	3	
Theater	0307	Seminar in Drama	3	
		<i>or</i>		
	0372	History of Modern Scenic Design	3	
		<i>or</i>		
	0312	American Musical Theater	3	
Theater	0335	Introduction to the Director's Art	3	
Theater	0353	Creativity in Lighting	3	
		<i>or</i>		
	0379	Scene Design II	4	
		<i>or</i>		
	0361	Costume Design II	3	
Theater	0100	Production Practicum (Both Semesters)	2	
Electives		<i>Select two:</i> Open Electives	6	
		Exploratory Concentration ¹ (See Note at End)		

¹Exploratory concentration (12 s.h.) in any one department or interdisciplinary study planned with the student's advisor and approved by the Department Chair. The concentration may include the required course in art history or the required course in non-dramatic literature. It may not include English C050. Students could begin taking the concentration starting second semester freshman year, or if their schedule permits it could be done in one semester.

COLLEGE OF EDUCATION

Founded 1919

Kent McGuire, Dean
238 Ritter Annex
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Philadelphia, PA 19122-6091
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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 Core requirements, including 6 credits of mathematics and 6 credits of 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: Ed 0122 and Ed 0255.

Students must be admitted to a certification program in order to enroll in the professional certification sequence and student teaching.

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 website 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 and 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.

Academic Policies and 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 Ed 0122 and Ed 0255, 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

Credits from ROTC and preparatory courses do not count towards the total of 128 s.h. 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 chairperson 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 Office of Student Services – Ritter Annex 238 -- and must be submitted, upon completion, to the Advising Office.)

College Graduation Requirements

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 128 semester hours with a minimum cumulative GPA of 3.0. These credit hours are satisfied by taking courses in three categories: (1) University Core; (2) Professional Education core; (3) Certification Courses (including student teaching) and program requirements.

In addition to fulfilling the University core 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	XO60	Education and Schooling in America	3	AC, WI
Education	0122	The Developing Individual Across the Lifespan	3	
Education	0155	Inclusive Education for a Diverse Society	3	
Education	0205	Curriculum Instruction and Technology	3	
Education	0206	Assessment and Evaluation	3	
Education	0224	Service Learning	2-3	
Education	0225	Field Experience: Managing the Contemporary Classroom	3	

Education	0255	Effective Use of Instructional Technology in Classrooms	3	
Total			23–24	
Note: Ed 0122 and Ed 0255 must be passed with a C+ or better.				

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.

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
- 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 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. As of September 1, 2000, the required tests include the Praxis I and Praxis II series. Students should check with the Office of Student Services 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 Department Chairperson 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 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.

Student Contact Information

Office of Undergraduate Education

Dr. Patricia Louison, Director
215-204-8011
Patricia.Louison@temple.edu

Office of Student Services

College of Education
238 Ritter Annex
1301 Cecil B. Moore Ave.
Philadelphia, PA 19122
215-204-8011 (phone)
215-204-4383 (fax)
Hours: 8:30 a.m. - 5:00 p.m. Monday through Friday.

Academic Advisors

- Herb Isakoff
215-204-5635
hisakoff@temple.edu
- Maggie Nerz
215-204-6081
margaret.nerz@temple.edu
- Jeannette Perez
215-204-3867
jeannette.perez@temple.edu

Applied Communication for Professional Educators

Offered as a program within Adult and Organizational Development (AOD)

Joseph Folger, Coordinator
215-204-1890
joseph.folger@temple.edu

This degree 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 situations 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.

Requirements

- Must complete 33 credit hours in the major.
- Complete the following course requirements in Adult and Organizational Development (AOD).

Prerequisite Core Course Requirements

Students must complete the following two courses with a minimum grade of "C" to be admitted to the Applied Communication for Professional Educators major:

Required Courses				
Department	Course #	Course Name	Hours	RCI
AOD	W051	Introduction to Communication for Educators	3	WI
AOD	0066	Interpersonal Communication through the Lifespan	3	
Total			6	

Required Courses for the Major				
Department	Course #	Course Name	Hours	RCI
AOD	0114	Conflict Resolution in Education	3	
AOD	0176	Team Process in Education	3	
AOD	0201	Research Methods in Communication Sciences	3	
AOD	0214	Conflict and Communication	3	
AOD	0215	Mediation: Principles and Practices	3	
AOD	0315	Negotiation Processes	3	
AOD	0350	Organizational Communication	3	
AOD	0376	Facilitating Group Decision-Making	3	
AOD	0380	Field Research: Conflict Practice in Professional Settings	3	
Total			27	

Electives				
Department	Course #	Course Name	Hours	RCI
AOD	0117	Nonverbal Communication	3	
AOD	0218	Leadership and Communication	3	
AOD	0396	Internship in Applied Communication: Adult & Organizational Development	3	
Total			9	

Career and Technical Education

Dr. Thomas J. Walker, Program Director
215-204-8374
thomas.walker@temple.edu

Ms. Joy Barcus, Undergraduate contact
Ritter Hall 346
215-204-8376
joybarcus@comcast.net

Career and Technical Education programs prepare teachers for secondary, K-12, and post-secondary classrooms in the fields of business, marketing and distribution, health occupations, gainful home economics, industrial occupations, and off-farm agriculture.

Business, Computer, and 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*.

This curriculum is designed to prepare students who expect to teach business subjects in K-12 and the junior college level in public and private schools. Subject area content and professional education content are combined with general education content 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 (Student Teaching in Sec Ed 0384), BCIT students must have completed (with a 3.0 cumulative average) the business education, career and technical education, and professional course sequence requirements as well as academic specialization.

General Studies, Pre-professional Course Sequence and Core Requirements

Several restrictions and additions to the requirements listed above apply to students in this program.

1. All students must take English W104 (Writing for Business and Industry) as an additional Writing and Composition requirement.
2. All students must take a Statistics course.

Academic Specialization

Department	Course #	Course Name	Hours	RCI
Accounting	0001	Principles of Accounting I	3	
Accounting	0002	Principles of Accounting II	3	
Accounting	0011	Intermediate Accounting I	3	
Accounting	0126	Accounting Information System	3	
Computer Information Sciences	C055	Computers and Applications	4	SB
Computer Information Sciences	Elective	See Program Advisor	3	
Economics	C051	Macroeconomic Principles	3	IN
Economics	C052	Microeconomic Principles	3	IN
English	W104	Writing for Business and Industry	3	WI
Finance	0101	Intro to Financial Markets*	3	
Law	0101	Law of Contracts	3	
Law	C001	Law and Society	3	IN
Marketing	0081	Introduction to Marketing	3	
Advanced Keyboarding			NC	
Subtotal			37	

Note: Intermediate Accounting I and II and Accounting Information Systems must be taken in the junior or senior years.

*Introduction to Financial Markets has a Prerequisite - The completion of a lower-level division course in the Fox School of Business Management.

Certification Requirements/Experiences

Department	Course #	Course Name	Hours	RCI
Business Education	0241	Teaching Microcomputer Applications	3	
CTE	0101	Principles of Career and Technical Education	3	
CTE	0103	Curriculum in Career and Technical Education	3	
CTE	0390	Teaching Applications for Children	3	

Education	0384	Student Teaching in Secondary Education	9	
Education	0388	Senior Seminar	3	
CTE	0399	Supervised Work Experience	NC	
Subtotal			24	

Total Hours Required for Graduation	128	
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Career and Technical/Industrial Education

Dr. Thomas J. Walker, Lead Professor
215-204-8374
thomas.walker@temple.edu

Ms. Joy Barcus, Undergraduate contact
Ritter Hall 346
215-204-8376
joybarcus@comcast.net

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*.

This curriculum leads to a B.S. in Education degree (with a specialization in teaching or technical training in industry). The courses taken satisfy requirements for state certification in career and technical education and for the degree and are available on a part-time basis.

General Studies, Professional Course Sequence and Core Requirements

Several restrictions and additions to the requirements listed above apply to students in this program.

1. All students must take English W104 (Writing for Business and Industry) as an additional writing and composition requirement. (3 s.h.)
2. All students must take Statistics C011 (Basic Quantitative Foundations for Business and Economics) as an additional mathematics requirement.
3. To meet the requirements in social science, all students must take Economics C051 (Macroeconomic Principles), and Sociology R064 (American Ethnicity). (6 s.h.)

Program Requirements				
Career and Technical Education				
Department	Course #	Course Name	Hours	RCI
CTE	0101	Principles of Career and Technical Education	3	
CTE	0102	Teaching Strategies in Career and Technical Education	3	
CTE	0103	Curriculum in Career and Technical Education	3	
Education	0385	Student Teaching in Sec Ed/CTE	9	
CTE	0315	Credit By Exam	24	
	0399	<i>or</i> Supervised Work Experience	1-6	
Subtotal			45-48	

Note: Career & Technical Education 0399 is not required for students entering the program with appropriate occupational experience and who have passed the state's occupational competency test. Such students, who are matriculated and have completed 90 s.h. of acceptable coursework, may arrange to have up to 24 s.h. recorded toward their degree through payment of the required fees.

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.

Department	Course #	Course Name	Hours	RCI
Electives (Open)			3-9	

Total Semester Hours		128	
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Marketing 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*.

This curriculum is designed to prepare students who expect to teach marketing subjects in K-12 and the junior college level in public and private schools. Subject area content and professional education content are combined with general education content 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.

Academic Specialization

Department	Course #	Course Name	Hours	RCI
Accounting	0001	Principles of Accounting I	3	
Law	0101	Law of Contracts	3	
Marketing	W160	Consumer and Buyer Behavior	3	WI
Economics	C051	Macroeconomic Principles	3	
English	W104	Writing for Business Industry	3	WI
Human Resources	0083	Organizational and Management***	3	
Journalism	0226	Introduction to Marketing***	3	
CTE	0390	Teaching Applications for Children	3	
Subtotal			24	

***Upper-division courses, plus the required marketing and business course(s) in the School of Business.

Certification Requirement

Department	Course#	Course Name	Hours	RCI
CTE	0101	Principles of Career and Technical Education	3	
CTE	0102	Teaching Strategies in Career and Technical Education	3	
Education	0384	Student Teaching in Secondary Education	9	
Education	0388	Senior Seminar & Performance Assessment	3	
CTE	0324	Cooperative Education	3	
CTE	0330	Coordination Methods	3	
CTE	0390	Teaching Applications for Children	3	
CTE	0399	Supervised Work Experience	3	
Marketing Education	0220	Product Information	3	
Marketing Education	0221	Color, Design, and Fashion	3	
Marketing Education	0222	Teaching Salesmanship, Advertising, and Display	3	
Subtotal			39	

Certification Programs:

Cooperative Education

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 make application 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 and Technical Certification Program

This curriculum, which is offered in cooperation with the Pennsylvania Department of Education, is designed to prepare persons to teach vocational industrial subjects on the secondary, post-secondary, and junior 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 seven 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 and/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 or both (a third certificate may be obtained by taking additional course work beyond the 128 credits). Students must be accepted into the certification program prior to taking methods courses (see advisor). 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
215-204-6129
csoundy@temple.edu

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. In addition, a third certificate may be obtained by taking additional course work (beyond the 128 credits required for the double certificate program).

General Studies, Professional Course Sequence and Core 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
Literature Requirement: <i>Choose one of the following:</i>				
English	C056	American Literature	3	AC
English	X084	Introduction to Literature	3	AR/WI
English	W082	Introduction to Fiction	3	WI
English	0114	Survey of English Literature: Beginnings to 1660	3	
English	0115	Survey of English Literature: 1660-1900	3	
English	0116	Survey of American Literature I	3	
English	0117	Survey of American Literature II	3	
Linguistics Requirement: <i>Choose one of the following:</i>				
English	0111	Introduction to Linguistics	3	
Anthropology	0127	Fundamentals of Linguistic Anthropology	3	
Comm. Sciences	0108	Introduction to Linguistics	3	
*In addition to taking the required two course sequence in Science, students must take at least one additional course in Science.				

Department	Course #	Course Name	Hours	RCI
Social Science Requirement: <i>Choose two of the following:</i>				
Economics	C050	Introduction to the Economy	3	IN
Economics	C051	Macroeconomic Principles	3	IN
Economics	C052	Microeconomic Principles	3	IN
Economics	0054	Economic Principles for Education Majors	3	
Economics	C055	Global Economics	3	IS
Geography & Urban Studies	X050	Environment and Society	3	IN
Geography & Urban Studies	X060	World Urban Patterns	3	IS
Geography & Urban Studies	X080	Geography of the United States & Canada	3	AC
Geography & Urban Studies	R055	Urban Society: Race, Class, and Community	3	IN, RS

Program Requirements (for existing program)

Elementary Education Foundation Requirements

Elementary Education Foundation Requirements				
Department	Course#	Course Name	Hours	RCI
Education	0305	Art/Music/Dance/Creative Performance	3	
Elementary Education	0230	Practicum: Teaching Elementary Child N-6	2-3	
Elementary Education	0231	Practicum: Teaching Math/Science to Elementary Child N-6	2-3	
English Education	W260	Teaching Integrated Language, Reading & Writing	6	WI
Math Education	0141	Teaching Mathematics: N-6	3	
Science Education	0150	Teaching Science: N-6	3	
Social Studies	0160	Teaching Social Studies: N-6	3	
Education	0382	Student Teaching in Elem/Spec Ed/Ech Ed	9-11	
Education	0388	Senior Seminar	3	
Subtotal			34-42	

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	0320	Curriculum Development & Implementation in Early Childhood Programs	3	
Early Childhood Education	0321	Family/School/ Community Environments for Young Children	3	
Early Childhood Education	0322	Observing, Documenting, & Assessing Young Children's Learning	3	
Early Childhood Education	0324	Integrated Programming for Young Children	3	
Education	0383	Student Teaching in Elem Ed/Ech Ed	9-11	
Subtotal			21-23	

Special Education Option for Students Admitted for Fall 2003

All requirements for the Elementary Education program must be completed, and 5 s.h. of Student Teaching Elementary/Special Education 0381 must be in a Special Education placement. In addition, the following courses must be completed.

Note: A new sequence of courses for special education certification was implemented for students admitted after July 1, 2003. Students should contact the Office of Student Services for specific details about these requirements.

Department	Course#	Course Name	Hours	RCI
Special Education	0226	Field Experience-Special Education	3	
Special Education	0230	Inclusive Education Practices	3	
Special Education	0312	Methods and Curriculum for Students with Disabilities	3	
Special Education	0331	Community Resources and Collaboration in Special Education	3	
Special Education	0332	Assessing and Teaching Students with Mild Disabilities	3	
Special Education	0390	Practicum in Special Education	3	
Education	0381	Student Teaching in Elementary/Special Education	9	
Total			27	

Total Elementary Education Program			
University Core, General Education & Professional Education Core Courses	76		
Elementary Education Courses	34		
Additional Certificate Courses (Early Childhood 9 s.h. or Special Education 12 s.h.)	9-12		
Additional Credits	9		
TOTAL SEMESTER HOURS	128-131		

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

In order to maintain 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.

Secondary English

Dr. Michael Smith, Program Advisor
215-204-6137
Ritter Hall 445
mwsmith@temple.edu

General Studies, Professional Course Sequence and Core Requirements

All of the requirements listed above apply to this program.

Secondary Education

Department	Course #	Course Name	Hours	RCI
English Education, Secondary Education	0341	Teaching Language and Communication in the Secondary School	3	
English Education, Secondary Education	0342	Teaching Oral and Written Communication in the Secondary School	3	
Secondary Education	W371	Reading Problems in the Secondary School	3	WI
Education	0384	Student Teaching in Secondary Education	9-11	
Education	0388	Senior Seminar	3	
Subtotal			21-23	

Academic Specialization

English

The English major for English Education certification students requires twelve courses:

- Five introductory courses
- Two courses in linguistics, one of which must be at the 200 level (Note: If the 100-level linguistics course is not taken in the Department of English, completing the major will require thirteen courses).
- One course in Shakespeare
- One African American Literature course
- One 300-level writing seminar
- Two electives (Note: The major must include three courses at the 200-level and one at the 300 level. Both electives must be at the 200-level unless students fulfill the African American Literature requirement with a 200-level course.

At least four courses in total must be at the 200 level or above.

Department	Course #	Course Name	Hours	RCI
English	W100	Introduction to English Studies	3	WI
English	0114	Survey of English Literature: Beginnings to 1660	3	WI
English	0115	Survey of English Literature: 1660-1900	3	
English	0116	Survey of American Literature	3	
English	0117	Survey of American Literature II	3	
Communication Sciences	0108	Introduction to Linguistics	3	
English	0111	Introduction to Linguistics	3	
		or		
Anthropology	0127	Fundamentals of Linguistics Anthropology		
English	0212	Linguistics and Grammar	3	
		or		
	0213	History of the English Language		
		or		
	0214	Semantics		
English	W133	Shakespeare	3	WI
English	R125	African American Literature I	3	RS
		or		

	R126	African American Literature II		
	R283	<i>or</i> Blacks/Literature/Drama/Media		
Two Electives			6	
Writing Seminar			3	
Subtotal			39	

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	0610	Language Study I: Assessment of English Learners' Language Literacy Development	3	
TESOL	0614	Approaches of Teaching Second/Foreign Language	3	
TESOL	0616	Curriculum and Assessment in TESOL	3	
TESOL	0620	Linguistic and Cultural Diversity in the ESL Classroom	3	
Subtotal			12	

Secondary Foreign Language Education

Dr. Jill Swavely-Gardner, Program Advisor
 215-204-6120
jmswav@temple.edu

Foreign Language certification is offered in French, German, Hebrew, Italian, Latin, Portuguese, and Spanish.

General Studies, Professional Course Sequence and Core Requirements

In addition to the Literature requirements listed above (see Other Requirements for College of Education Students), all students must take one of the following:

Department	Course #	Course Name	Hours	RCI
English	W101	Developing Prose Style	3	WI
		<i>or</i>		
English	W103	Writing the Research Essay	3	WI
Subtotal			3	

Program Requirements for Secondary Education

Department	Course #	Course Name	Hours	RCI
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Education	0384	Student Teaching in Secondary Education	9-11	
Education	0388	Senior Seminar	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 0051 and 0052).

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 Speech 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 0051 and 0052.

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: 0-128

Total Semester Hours for Certification in Two Foreign Languages: 136-140

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

Currently, the Secondary Education program in Mathematics is under review and awaiting approval. All students enrolling in this program for the first time in 2005-2006 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 in Mathematics. This is to assure that your intended program of study will be compatible with the proposed requirements.

Dr. Jacqueline Leonard, Lead Professor

215-204-8042

jacqueline.leonard@temple.edu

General Studies, Professional Course Sequence and Core Requirements

Several restrictions and additions to the requirements listed above (see Other Requirements for College of Education Students) apply to students in this program:

- The Mathematics requirement cannot be met by C055 (College Mathematics).
- The Mathematics requirements are listed in the program description below.
- Philosophy C066 (Introduction to Logic) is required for all students.

*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 Secondary Education	0146	Methods and Materials in Secondary Mathematics (taken in conjunction with student teaching)	3	
Mathematics Secondary Education	0366	Teaching of Problem Solving	3	
Education	0384	Student Teaching in Secondary Education	9-11	
Education	0388	Senior Seminar	3	
Subtotal			18-20	

Academic Specialization

Department	Course #	Course Name	Hours	RCI
Mathematics	CO75	Calculus I	4	QB
Mathematics	0086	Calculus II	4	QB
Mathematics	0127	Calculus III	4	
Mathematics	W141	Basic Concepts of Mathematics	3	WI
Mathematics	0147	Linear Algebra	3	
Mathematics	0203	Theory of Numbers	3	
Mathematics	W205	Modern Algebra	3	WI
Mathematics	0233	Introduction to Probability Theory	3	
Mathematics	0234*	Mathematical Statistics	3	
Mathematics	0241	Introduction to Real and Complex Analysis I	3	
Mathematics	0242	Introduction to Real and Complex Analysis II	3	
Mathematics	0271	Modern Geometry I	3	
Mathematics	0305	Topics in Modern Algebra	3	
Philosophy	C066	Introduction to Logic (This course will also fulfill a University Core requirement.)	3	QB
	Electives		3-7	
Subtotal			48-52	

*Math 0234 - equivalent Stat 0021 and Stat 0022.

Social Studies Education

Dr. Christine Woyshner, Program Advisor

215-204-6147

christine.woyshner@temple.edu

Department	Course #	Course Name	Hours	RCI
Social Studies	0365	Methods and Materials in Secondary Social Studies	3	
Sec. Ed.	W371	Reading Problems in the Secondary School	3	WI
Education	0384	Student Teaching in Secondary Education	9-11	
Education	0388	Senior Seminar	3	
Subtotal			18-20	

History

Department	Course #	Course Name	Hours	RCI
History	C067	U.S. History to 1877	3	AC
History	C068	U.S. History since 1877	3	AC
History (Course that meets Race Requirement)	R109	Imperialism, Race, & Empire	3	RS
	R160	Race & Ethnicity in American History	3	RS
	R161	African American History to 1865	3	RS
	R162	African American History 1865-Present	3	RS
	R267	Race & the U.S. Constitution	3	RS
History	0156	Gender, Class, Nation	3	
	0157	Gender, War, & Society	3	
	0172	Sexuality & Gender in American Society	3	
	0287	Women in U.S. History	3	
History (select two courses)	C062	World History Modern	3	IS
	0103	World Economy Since 1945	3	
	R109	Imperialism, Race, & Empire	3	RS
	0200	The City in History	3	
	0202	Third World Women's Lives	3	
	0203	Comparative Feudalism	3	
	0245	Revolutionary Europe	3	
History	C063	War and Society	3	IS
	0176	History of the Am. Economy & Am. Business	3	
	0177	U.S. Environmental History	3	
	0181	United States at War	3	
	0291	Superpower America	3	
History	R267	Race and the U.S. Constitution	3	RS
	0273	History of the American Presidency	3	
History	W386	American History Writing Seminar	3	WI
	W387	European History Writing Seminar	3	WI
	W388	Third World History Writing Seminar	3	WI
	W397	Contemporary Theory & Prac. of History	3	WI
History	Elective	(Elective must be approved by advisor) Recommended History 0167	3	

History courses above have the following requirements to fulfill the second major in the College of Liberal Arts' History Department:

- Students must complete ten courses in History
- At least seven of these ten course must be at the 100 level or higher
- At least three of these ten courses must be at the 200 and 300 levels
- A maximum of three of these ten courses can be at the core level
- At least 15 of the credits must be in U.S. History

Anthropology (3 credits must be taken)

Department	Course #	Course Name	Hours	RCI
Anthropology	R060	Introduction to the Physical Environment	3	RS
Anthropology	C061	World Urban Patterns	3	IS
Anthropology	C065	Geography of the United States and Canada	3	AC

Sociology (3 credits must be taken)

Department	Course #	Course Name	Hours	RCI
Sociology	C050	Introduction to Sociology	3	IN
Sociology	C059	The Sociology of Race & Racism	3	IN, RS
Sociology	R064	American Ethnicity	3	RS
Sociology	0145	Marriage & Family	3	
Sociology	0215	Society & Personality	3	
Sociology	0218	Socialization	3	
Total			128	

Economics (3 credits must be taken)

Department	Course #	Course Name	Hours	RCI
Economics		Varies	3	

Geography and Urban Studies (3 credits must be taken)

Department	Course #	Course Name	Hours	RCI
Geography	C052	Introduction to the Physical Environment	4	SB
Geography	C060	World Urban Patterns	3	IS
Geography	C080	<i>or</i> Geography of the United States & Canada	3	AC

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 above apply to students in this program.

- The Mathematics requirement cannot be met by C055 (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. This course, if appropriate, may also fulfill the Language and International Studies requirement of the University Core.

Program Requirements

Secondary Education (for all Science certification areas)

Department	Course#	Course Name	Hours	RCI
Secondary Education	W371	Reading Problems in the Secondary School	3	WI
Science Education (Secondary)	0355	The Teaching of Science in Secondary Schools	3	
Education	0384	Student Teaching in Secondary Education	9-11	
Education	0388	Senior Seminar	3	
Subtotal			18-20	

Academic Specialization (for Biology)

Department	Course #	Course Name	Hours	RCI
Mathematics	C075	Calculus with Applications I	4	QB
Mathematics	0076	Calculus with Applications II	4	
		<i>or</i>		
Statistics	C021	Statistical Methods & Concepts	3	
Biology	C083	General Biology	3	SA

Biology	C084	General Biology	3	SB
Biology	0103 & 0104	Introduction to Biology	4	
Biology	0203	Genetics	4	
Biology	W204	Cell Structure and Function	4	WI
Biology	0317	General Microbiology	3	
Biology	Elective	Two electives	6	
Chemistry	C071 & C072	General Chemistry I & II	6	SA, SB
Chemistry	C073 & C074	General Chemistry Laboratory I & II	2	SA, SB
Chemistry	0121 & 0122	Organic Chemistry I & II	6	
Chemistry	0123 & 0124	Organic Chemistry Laboratory I & II	2	
Environmental Engineering Technology	C010	Introduction to the Environment	3	SB
Physics	C085 & C086	Introduction to General Physics I & II	8	SA, SB
Science	0362	Ecology & Field Biology for Teachers	3	
Subtotal semester hours for Biology			65-68	3

Academic Specialization (for Chemistry)

Department	Course #	Course Name	Hours	RCI
Mathematics	C085 & 0086	Calculus I & II	8	QB
Mathematics	0127	Calculus III	4	
Biology	C083 & C084	General Biology I & II	8	SA, SB
Chemistry	C071 & C072	General Chemistry I & II	6	SA, SB
Chemistry	C073 & C074	General Chemistry Laboratory I & II	2	SA, SB
Chemistry	0121 & 0122	Organic Chemistry I & II	6	
Chemistry	0123 & 0124	Organic Chemistry Laboratory I & II	2	
Chemistry	0213	Techniques of Chemical Measurement I	3	
Chemistry	0231	Physical Chemistry Lecture I	3	
Chemistry	0232	Physical Chemistry Lecture II	3	
Chemistry	0301	Inorganic Chemistry	3	
Geology	C081	Environmental Resources	4	SB
Physics	C085 & C086	Introduction to General Physics I & II	8	SA, SB
Subtotal semester hours for Chemistry			60	

Academic Specialization (for Earth and Space Science)

Department	Course #	Course Name	Hours	RCI
Mathematics	C075 & C076	Calculus with Applications I & II	8	QB
Biology	C083 & C084	General Biology I & II	8	SA, SB
Chemistry	C071 & C072	General Chemistry I & II	6	SA, SB
Chemistry	C073 & C074	General Chemistry Laboratory I & II	2	SA, SB
Geology	C050	Introduction to Geology	4	SA
Geology	C062	Oceanography or See Advisor	4	SB
Geology	C081	Environmental Resources	4	SB
		or		
<i>Select two courses from among:</i>				
Geology	0201	Mineralogy I	4	
	0202	Mineralogy II	4	
	0211	Facies Models	4	
	0212	Paleontology & Stratigraphy	4	
<i>Select one additional course with advisor's approval :</i>				
Physics	C056	Introduction to Astronomy	4	SB
Physics	C085 & C086	Introduction to General Physics I & II	8	SA, SB
Science, Secondary Education	0365	Meteorology for Teachers	3	

Subtotal semester hours for Earth Space Science	51	
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Academic Specialization (for General Science)

Department	Course #	Course Name	Hours	RCI
Mathematics	C075 & 0076	Calculus with Applications I & II	8	QB
Biology	C083 & C084	General Biology I & II	8	SA, SB
Chemistry	C071 & C072	General Chemistry I & II	6	SA, SB
Chemistry	C073 & C074	General Chemistry Laboratory I & II	2	SA, SB
Geology	C050	Introduction to Geology	4	SA
Geology	C062	Oceanography <i>or</i> See Advisor	4	SB
Physics	C056	Introduction to Astronomy	4	SB
Physics	C085 & C086	Introduction to General Physics I & II	8	SA, SB
Science, Secondary Education	0362	Ecology & Field Biology	3	
Science, Secondary Education	0365	Meteorology for Teachers	3	
Subtotal semester hours for General Science Certification			50	

Academic Specialization (for Physics)

Department	Course #	Course Name	Hours	RCI
Mathematics	C085	Calculus I	4	QB
Mathematics	0086	Calculus II	4	
Mathematics	0127	Calculus III	4	
Biology	C083 & C084	General Biology	8	SA, SB
Chemistry	C071	General Chemistry I	3	SA, SB
Chemistry	C073	General Chemistry Lab I	2	SA, SB
Physics	C087 & C088	Elementary Classical Physics I & II <i>or</i>	8	SA, SB
Physics	0121 & 0122	General Physics I & II	8	SA, SB
Physics	0161	Computing and Scientists	3	
Physics	0171	Optics	3	
Physics	0188	Introduction to Modern Physics	3	
Physics	0187	Electricity and Magnetism	4	
Physics	0231	Thermodynamics and Kinetic Theory	3	
Plus any course to be determined by advisor.				
Subtotal semester hours for Physics			49	

COLLEGE OF ENGINEERING

Keya Sadeghipour, Dean
Engineering and Architecture Building
Third Floor
1947 N. 12th Street
Philadelphia, PA 19122
215-204-7800
engineer@temple.edu
www.eng.temple.edu/

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.

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 ENGR 0380 - 0383 or the Internship courses ENGR 0385 - 0388. These programs are managed by the Director for Career Services in the College of Engineering.

Honor Societies, Awards, and Student Associations

Professional Societies and 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 323
 215-204-8825
sridenou@temple.edu

Advising Centers for the Major in the College of Engineering:

Civil and Environmental Engineering Dept
 215-204-7814
ceed@temple.edu

Electrical and Computer Engineering Dept
 215-204-7597
eegrad@temple.edu

Mechanical Engineering Dept
 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 Office.

All students in the 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 and Regulations

Please see [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 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 website at www.temple.edu/engineering/current/studenthandbook.htm.

College Graduation Requirements

Anticipation of Graduation - All 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 course work. 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 course work taken as a non-matriculated student.

Non-Traditional Credits - A maximum of 12 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 course work. 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 steven.ridenour@temple.edu or 215-204-8825.

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 and Environmental Engineering

Philip Udo-Inyang, Acting Chair and Program Coordinator
Room 514, Engineering and Architecture Building
215-204-7831

Program Goals, Objectives and 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.

Foundation Science and Math Courses in Civil Engineering

Department	Course #	Course Name	Hours	RCI
Math	C085	Calculus I	4	QB
Math	0086	Calculus II	4	
Math	0127	Calculus III	4	
Math	0251	Differential Equations	3	
Physics	C087	Elementary Classical Physics I	4	SA
Physics	C088	Elementary Classical Physics II	4	SB
Chemistry	C071	General Chemistry I	3	SA

Chemistry	C073	General Chemistry Laboratory I	1	SA
Subtotal			27	

Required Communications, Humanities, and Social Science

Department	Course #	Course Name	Hours	RCI
English	C050	College Composition	3	CO
Core	Electives	Humanities and Social Science Various*	21	CORE
Subtotal			24	

*See advisor for recommended courses, particularly if a transfer student.

Required Engineering Courses for Civil Engineering

Department	Course #	Course Name	Hours	RCI
Civil Engineering	0005	Surveying	2	
Civil Engineering	0015	Surveying	1	
Civil Engineering	0211	Structural Analysis	3	
Civil Engineering	0212	Structural Analysis Lab	1	
Civil Engineering	0231	Soil Mechanics	3	
Civil Engineering	0232	Soil Mechanics Lab	1	
Civil Engineering	0241	Construction Materials Laboratory	2	
Civil Engineering	0251	Hydrology and Hydraulic Engineering	3	
Civil Engineering	0262	Steel and Concrete Design	4	
Civil Engineering	0341	Water and Wastewater Systems Design	3	
Civil Engineering	0342	Transportation Engineering	3	
Civil Engineering	0344	Construction Engineering	3	
Civil Engineering	0348	Probability and Statistics	3	
Civil Engineering		Electives	9	
Electrical Engineering	0063	Electrical Devices and Systems I	4	
Engineering	0001	Introduction to Engineering	3	
Engineering	0011	Engineering Graphics	3	
Engineering	0131	Engineering Statics	3	
Engineering	0132	Engineering Dynamics	3	
Engineering	0133	Mechanics of Solids	3	
Engineering	W233	Materials Science for Engineers	3	WI
Engineering	W241	Economic Analysis	3	WI
Engineering	0253	Mechanics of Fluids	3	
Engineering	0271	Classical and Statistical Thermodynamics	3	
Engineering	0360	Engineering Seminar	1	
Engineering	W361	Senior Design Project I	3	WI
Engineering	W362	Senior Design Project II	3	WI
Mechanical Engineering	0006	Measurements of Fluids & Energy Lab	1	
Subtotal			80	
TOTAL Hours for Civil Engineering Major			131 (Minimum)	

Electrical Engineering

Saroj K. Biswas, Chair and Program Coordinator
Room 708, Engineering and Architecture Building
215-204-8403
saroj.biswas@temple.edu
www.temple.edu/engineering/ece/index.htm

Program Goals, Objectives and 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 Bioengineering in Electrical Engineering. The objective of the Bioengineering concentration is to prepare students for careers in the emerging areas of biomedical signal and image processing, assistance devices for the impaired, and bioelectronics. The Bioengineering in Electrical Engineering concentration utilizes courses in Biology, and Mammalian Anatomy and Physiology from the Department of Biology at Temple University into the curriculum. The curriculum in Electrical Engineering is accredited by the Accreditation Board of Engineering and Technology ([ABET](#)). The curriculum features required courses in Mathematics, Chemistry, Physics, Humanities and Social Sciences, Composition and Writing, and the fundamentals of Electrical Engineering. The ABET minimum requirement for graduation is 124 semester hours, and students must satisfy the minimum requirement in each category as shown below; however, the sum of the minimum in each category is not 124 semester hours. Students should consult the Department Chair or their academic advisor for any questions concerning the credit distribution.

Curriculum

Electrical Engineering:

Curriculum	Courses	Credits
	(minimum)	(minimum)
Mathematics	6	18
Basic Sciences	3	11
Composition and Writing	2	6
Humanities and Social Sciences	6	18
Engineering	26	65
Minimum requirement		124

Computer Engineering Concentration:

Curriculum	Courses	Credits
	(minimum)	(minimum)
Mathematics	6	18
Basic Sciences	3	11
Composition and Writing	2	6
Humanities and Social Sciences	6	18
Engineering and Computer Science	26	65
Minimum requirement		124

Bioengineering in Electrical Engineering Concentration:

Curriculum	Courses	Credits
	(minimum)	(minimum)
Mathematics	6	18
Basic Sciences and Biology	6	24
Composition and Writing	2	6
Humanities and Social Sciences	6	18
Engineering	24	58
Minimum requirement		124

Most technical courses in this program are offered during the day only.

Foundation Science and Math Courses in

Electrical Engineering, and Computer Engineering Concentration

Department	Course #	Course Name	Hours	RCI
Math (Calculus Sequence)	C085	Calculus I	4	QB
	0086	Calculus II	4	
	0127	Calculus III	4	
	0251	Differentiated Equations	3	
Electrical Engineering	0230	Stochastic Processes and Signals and Systems	3	
Physics	C087	Elementary Classical Physics I	4	SA
	C088	Elementary Classical Physics II	4	SB
Chemistry	C071	General Chemistry I	3	SA
Math Elective or EE 0350		Electrical Engineering curriculum only <i>Consult academic advisor</i>	3	
Math Elective or CIS 0066		Computer Engineering Concentration <i>Consult academic advisor</i>	3	
Subtotal			32	

Foundation Science and Math Courses in

Bioengineering in Electrical Engineering Concentration

Department	Course #	Course Name	Hours	RCI
Math (Calculus Sequence)	C085	Calculus I	4	QB
	0086	Calculus II	4	
	0127	Calculus III	4	
	0251	Differential Equations	3	
Electrical Engineering	0230	Stochastic Processes and Signals and Systems	3	
Physics	C087	Elementary Classical Physics I	4	SA
	C088	Elementary Classical Physics II	4	SB
Biology	C083	General Biology I	4	SA
	C084	General Biology II	4	SB
	0233	Mammalian Anatomy	4	
	0334	Mammalian Physiology	4	
		Bioengineering in Electrical Engineering Concentration <i>Consult academic advisor</i>		
Subtotal			42	

Required Communications, Humanities, and Social Science

Department	Course #	Course Name	Hours	RCI
English	C050	College Composition	3	CO
English	W102	Technical Writing	3	WI
Core	Electives	Humanities and Social Science* Electives	18	CORE
Subtotal			24	
* See advisor-recommended courses, particularly if a transfer student.				

Required Courses: Electrical Engineering (65 s.h. minimum)

Department	Course #	Course Name	Hours	RCI
Required Electrical Engineering Courses (44 hours)				
Electrical Engineering	0007	Electrical Applications	2	
	0008	Electrical Applications Lab	1	
	0161	Electrical Engineering Science I	4	

	0165	Electrical Engineering Science II	4	
	0156	Digital Circuit Design	3	
	0157	Digital Circuit Design Lab	1	
	0210	Signals: Continuous and Discrete	4	
	0220	Intro to Electromagnetic Fields and Waves	3	
	0230	Stochastic Processes in Signals and Systems	3	
	0235	Microprocessor Systems	3	
	0236	Microprocessor System Lab	1	
	0254	Microelectronic Devices	3	
	0255	Microelectronic Devices Lab	1	
	0282	Classical Control Systems	3	
	0300	Analog and Digital Communications	3	
	0301	Analog and Digital Communications Lab	1	
	0350	Modern Control Systems	3	
	0351	Modern Control Systems Lab	1	
EE	Electives	(can be either 3 or 4 hour courses)	13	
Required Engineering Courses (13 hours)				
ENGR	0001	Introduction to Engineering	3	
	0131	Engineering Statics	3	
	0186	Engineering Analysis and Applications	2	
	0360	Engineering Seminar	1	
	W361	Engineering Design Project I	3	WI
	W362	Engineering Design Project II	3	WI
CIS	C071	Computer Programming in C	4	QB

Total Hours for Electrical Engineering Major:	124 (minimum)
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Required Courses: Computer Engineering Concentration (65 s.h. minimum)

(Other required courses for this concentration are listed above with Electrical Engineering Major Requirements - Science and Math / Communications, Humanities, and Social Science)

Department	Course #	Course Name	Hours	RCI
Electrical Engineering (40 hours)	0007	Electrical Applications	2	
	0008	Electrical Applications Laboratory	1	
	0161	Electrical Engineering Science I	4	
	0165	Electrical Engineering Science II	4	
	0156	Digital Circuit Design	3	
	0157	Digital Circuit Design Lab	1	
	0210	Signal: Continuous and Discrete	4	
	0230	Stochastic Processes and Signals and Systems	3	
	0235	Microprocessor Systems	3	
	0236	Microprocessor Systems Laboratory	1	
	0245	Embedded System Design	3	
	0246	Embedded System Design Lab	1	
	0300	Analog and Digital Communications	3	
	0301	Analog and Digital Communications Laboratory	1	
	0311	Computer Network Communication	3	
	0335	Advanced Microprocessor Systems	3	
EE	Electives	(can be either 3 or 4 hour courses)	9-12	
Engineering (10 hours)	0001	Introduction to Engineering	3	
	0186	Engineering Analysis and Applications	2	
	0360	Engineering Seminar	1	
	W361	Senior Design Project I	3	WI
	W362	Senior Design Project II	3	WI
CIS (16 hours)	0066	Mathematical Concepts in Computing	4	
	0067	I	4	
	0068	Program Design and Abstraction	4	
	C071	Data Structures	4	
		Computer Programming in C		QB

Total Hours for Computer Engineering Concentration:			124 (minimum)	

Required Courses: Bioengineering in Electrical Engineering Concentration (65 s.h. minimum):

Total Hours for Bioengineering Concentration: 124 s.h.

(Other required courses for this concentration are listed above with Electrical Engineering Major Requirements - Science and Math / Communications, Humanities, and Social Science)

Department	Course #	Course Name	Hours	RCI
Electrical Engineering (40 hours)	0007	Electrical Applications	2	
	0008	Electrical Applications Laboratory	1	
	0161	Electrical Engineering Science I	4	
	0165	Electrical Engineering Science II	4	
	0156	Digital Circuit Design	3	
	0157	Digital Circuit Design Lab	1	
	0210	Signal: Continuous and Discrete	4	
	0220	Electromagnetic Fields and Waves	3	
	0230	Stochastic Processes and Signals and Systems	3	
	0235	Microprocessor Systems	3	
	0236	Microprocessor Systems Laboratory	1	
	0282	Classical Control Systems	3	
	0300	Analog and Digital Communications	3	
	0301	Analog and Digital Communications Laboratory	1	
	0310	Digital Signal Processing	3	
EE Engineering (10 hours)	0311	Computer Network Communication	3	
	0335	Advanced Microprocessor Systems	3	
	Electives	(can be either 3 or 4 hour courses)	9-12	
	0001	Introduction to Engineering	3	
	0186	Engineering Analysis and Applications	2	
	0325	Biology for Engineers	3	
	0360	Engineering Seminar	1	
	W361	Senior Design Project I	3	WI
	W362	Senior Design Project II	3	WI
	C083	General Biology I	4	SA
	0084	General Biology II	4	
	0233	Mammalian Anatomy	4	
	0334	Mammalian Physiology	4	
Total Hours for Bioengineering in Electrical Engineering Concentration:			124 min.	

Mechanical Engineering

M. Kiani, Chair

R. Cohen, Program Coordinator

Room 607A, Engineering and Architecture Building

215-204-6245

Program Goals, Objectives and 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.

Foundation Science and Math Courses for Mechanical Engineering

Department	Course #	Course Name	Hours	RCI
Calculus Sequence Plus Elective				
Math	C085	Calculus I	4	QB
Math	0086	Calculus II	4	
Math	0127	Calculus III	4	
Math	0147	Linear Algebra	3	
Math	0251	Differential Equations	3	
Physics	C087	Elementary Classic Physics I	4	SA
Physics	C088	Elementary Classic Physics II	4	SB
Chemistry	C071	General Chemistry I	3	SA
Chemistry	C073	General Chemistry Lab	1	
Subtotal			30	

Required Communications, Humanities, and Social Science for Mechanical Engineering

Department	Course #	Course Name	Hours	RCI
English	C050	College Composition	3	CO
English	W102	Technical Writing	3	WI
Core	Electives	Humanities and Social Science Various*	21	CORE
Core	Race	Studies in Race (may satisfy another CORE category)		R
Library Skills		Temple Information Literacy Tutorial (TILT)		
Subtotal			27	

* See advisor recommended courses particularly if transfer student.

Required Engineering Courses for Mechanical Engineering

Department	Course #	Course Name	Hours	RCI
Mechanical Engineering	0004	Dynamics and Solids Laboratory	1	
	0005	Materials Laboratory	1	
	0006	Measurements of Fluids and Energy	1	
	0007	Measurements and Applications in Vibrations and Controls	1	
	0008	Energy Conversion Laboratory	1	
	0221	Dynamic Systems	3	
	0231	Machine Theory and Design	3	
	0371	Advanced Thermodynamics and Combustion	3	
	0372	Heat and Mass Transfer	3	
	0382	Vibration Mechanics and Controls	3	
Electrical Engineering	0063	Electrical Devices and Systems I	4	
	0066	Electrical Devices and Systems II	4	
Engineering	0001	Introduction to Engineering	3	
	0011	Engineering Graphics	3	
	0131	Engineering Statics	3	
	0132	Engineering Dynamics	3	
	0133	Mechanics of Solids	3	
	W233	Materials Science for Engineers	3	WI
	W241	Economic Analysis	3	WI
	0253	Mechanics of Fluids	3	
	0271	Classical and Statistical Thermodynamics	3	
	0310	Computer-Aided Design	3	
	0360	Engineering Seminar	1	
	W361	Senior Design Project I	3	WI
	W362	Senior Design Project II	3	WI
Mechanical Engineering	Electives		6	
Subtotal			71	
Total Hours for the Mechanical Engineering Major:			128	

Civil and Construction Engineering Technology

P. Udo-Inyang, Program Coordinator
Room 530, Engineering and Architecture Building
215-204-7831

Program Goals and Objectives

The baccalaureate curriculum in Civil and Construction Engineering Technology 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

Foundation Science and Math Courses in CCET

Department	Course #	Course Name	Hours	RCI
Math	C085	Calculus with Applications I	4	QB
Math	0086	Calculus with Applications II	4	
Math	Elective	Approved Math Electives	7	
Physics	C083	College Physics I	4	SA
Physics	C084	College Physics II	4	SB
Science	Elective	Geology or Chemistry	3	
Subtotal			26	

Required Communications, Humanities, and Social Science

Department	Course #	Course Name	Hours	RCI
English	C050	College Composition	3	CO
English	W102	Technical Writing	3	WI
Economics	C050 or C054	Economic Principles	3	IN
Humanities/ Social Science*	Elective	Various Core Electives	18	
Subtotal			27	
* See advisor recommended courses particularly if transfer student.				

Required Engineering Courses for CCET

Department	Course #	Course Name	Hours	RCI
CCET	0120	Construction Methods and Materials	3	
CCET	0121	Construction Estimating	3	
CCET	0122	Construction Planning and Scheduling	3	
CCET	0123	Construction Estimating Laboratory	1	
CCET	0125	Construction Contracts & Specifications	3	
CCET	0145	Structural Analysis	3	
CCET	0330	Soils and Foundations	3	
CCET	0335	Steel and Wood Design	3	

CCET	0336	Concrete and Masonry Structures	3	
CCET	0350	Applied Hydraulics	3	
CCET	0355	Transportation System Management	3	
CCET	W361	Capstone in Construction	3	WI
Subtotal for Civil & Construction Engineering Technology			34	
Civil Engineering	0005	Surveying	2	
Civil Engineering	0015	Surveying Laboratory	1	
Civil Engineering	0010	Computer and Special Topics	3	
Civil Engineering	W147	Environmental & Safety Aspects of Construction	2	WI
Civil Engineering	0241	Construction Materials Laboratory	2	
Subtotal for Civil Engineering			10	
EET	0104*	Introduction to Electrical Circuits	4	
Subtotal for Electrical Engineering Technology			4	
Engineering	0001	Introduction to Engineering	3	
Engineering	0011	Engineering Graphics	3	
Engineering	0131	Statics	3	
Engineering	0133	Mechanics of Solids	3	
Engineering	W241	Economic Analysis	3	WI
Subtotal for Engineering			15	
Engineering Tech.	0313	Professional Seminar	1	
Subtotal for Engineering Technology			1	
Specialty Electives		Must be approved prior to registration	12	
Subtotal for electives			12	
Subtotal for Required Courses			76	
* or Approved Building Systems course				
Total Required Hours for Civil & Construction Engineering Technology			128-129	

Engineering Technology

Soumitra Basu, Program Head
Room 608, Engineering and Architecture Building
215-204-8723
soumitra.basu@temple.edu
www.temple.edu/engineering/engtech/index.htm

Program Objectives

This program is offered on the Main Campus with some courses available at Temple University Ambler. Students may complete all required course work 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, manufacturing, 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

Foundation Science and Math Courses in Engineering Technology

Department	Course #	Course Name	Hours	RCI
Math	C074	Pre-Calculus	4	QA
Math	C077	Concepts of Calculus	4	QB
Math	Electives	Approved Math Electives	3	
Statistics	0103	Statistics for Engineers	3	
Physics	C083	College Physics I	4	SA
Physics	C084	College Physics II	4	SB
Chemistry	C071	General Chemistry I	3	SA
Chemistry	C073	General Chemistry Lab	1	SA
Subtotal			26	

Required Communications, Humanities, and Social Science

Department	Course #	Course Name	Hours	RCI
English	C050	College Composition	3	CO
English	W102	Technical Writing	3	WI
STOC	0065	Public Speaking	3	
Core	Electives	University Core Requirements	18-21	Core
Economics	C052	Microeconomic Principles	3	IN
Subtotal			30-33	

Required Engineering Courses for Engineering Technology

Department	Course #	Course Name	Hours	RCI
ENGR	0131	Engineering Statics	3	
ENGR	0133	Mechanics of Solids	3	
ET	0222	Applied Fluid Mechanics	3	
ET	0313	Professional Seminar	1	
ENVT	C010	Intro. to the Environment	3	SB
ET	W223	Materials Technology	3	WI
EE	0063	Electrical Devices & Systems I	4	
Electives		Technical Electives	24	
ENGR	0001	Introduction to Engineering	3	
ENGR	0011	Engineering Graphics	3	
ENGR	W241	Economic Analysis	3	WI
Subtotal			53	
Electives		Free Open Electives	15	

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.

Suggested first-year courses for this program are:

Foundation for Undeclared Engineering Majors		
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Department	Course #	Course Name	Hours	RCI
Math	C085	Calculus I	4	QB
Math	0086	Calculus II	4	
Physics	C087	Elementary Classical Physics I	4	SA
Chemistry	C071 & C073	General Chemistry I and Lab	4	SA
English	C050	College Composition	3	CO
	CORE	Requirements in Core	6	

Required First Year Engineering Courses				
Department	Course #	Course Name	Hours	RCI
Engineering	0001	Intro to Engineering	3	
Engineering	0011	Engineering Graphics	3	
		or		
Civil Engineering	0005 & 0015	Surveying and Surveying Lab	3	
		or		
Electrical Engineering	0007 & 0008	Electrical Applications and Lab	3	

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 exists to meet the ever-changing needs of society by preparing competent professionals from diverse backgrounds. The College fosters critical thinking, ethical behavior, life-long learning, and scholarship.

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 six undergraduate programs that include 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 website 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, and students interested in Health Information Management should contact the chairperson of the Health Information Management Department.

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 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 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) and Public Health should contact the College of Health Professions Undergraduate Advisor at 215-204-6779 to schedule an appointment to discuss transfer and degree completion requirements and initiate an intra-university transfer. Students in Therapeutic Recreation should contact the transfer advisor at 215-204-6733 to schedule an advising appointment. Students interested in Kinesiology should contact the advisor at 215-204-1953. Intra-University transfers 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 in 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 and 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

Students are asked to call the Health Professions Advising Office at 215-204-6779.

Communication Sciences

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Bachelor of Arts

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. In addition to taking University Core requirements, all students will complete two department core courses, 0201 and W051, 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, the department also offers a Minor, also described below.

Summary of Requirements for Graduation with Distinction in the Major

1. GPA of 3.5 or better
2. No grade of below B in the major
3. Completion of an honors paper at the end of a 3-credit independent study (Comm Sci H390) 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
Comm Sci	0201	Research Methods in Communication Sciences (F)	3	
Comm Sci	W051	Introduction to Human Communication (F)	3	WI
Total			6	

Speech-Language-Hearing Track

Speech-Language-Hearing Track: Summary of Requirements

1. University requirements

University Core Curriculum including completion of the Library Orientation, and all students must take Psych C060 for core requirement in Individual and Society

2. Major Requirements

Comm Sci W051 and 0201

3. Track Requirements

Lower-level (Comm Sci W103, 0207, 0208, 0217, 0218)

Upper-level (Comm Sci 0233, 0234, 0235, 0300, 0301, W336)

Courses in Related Disciplines (Physics C067, Psych 0131)

Course in Biological Science (Biology C084)

Speech-Language-Hearing Track: Required Courses in the Major

Department	Course #	Course Name	Hours	RCI
Comm Sci	W103	Communication Deviations and Disorders (F, S)	3	WI
Comm Sci	0207	Phonetics (F, S)	2	
Comm Sci	0208	Phonology (F, S) (Pre-req: Comm Sci. 0207)	2	
Comm Sci	0217	Grammatical Description (F)	2	
Comm Sci	0218	Language Processing (F) (Pre-req: Comm Sci. 0217)	2	
Comm Sci	0233	Basic Speech Science (S) (Pre-req: Comm Sci 0207, 0208, Physics C067)	4	
Comm Sci	0234	Basic Hearing Science (F, SS) (Pre-req.: Physics C067)	4	
Comm Sci	0235	Human Neuroscience (F, S)	4	
Comm Sci	0300	Principles of Audiology (F) (Pre-req: Comm Sci. 0234)	3	
Comm Sci	0301	Speech and Language Development (S) (Pre-req.: Comm Sci 0207, 0208)	3	
Comm Sci	W336	Orientation to Clinical Management (S)	3	WI*

		(Pre-req: Senior Status)		
Total			32	
*Indicates writing capstone for major				

Speech-Language-Hearing Track: Required Courses, Related Areas

Department	Course #	Course Name	Hours	RCI
Psychology	0200	Developmental Psychology (F, S, SS)	3	
Physics	C067	Acoustics (F)	3	SA
Biology	C084	General Biology II (S, SSII)	4	SB
Total			10	

Linguistics Track

Linguistics Track: Summary of Requirements

1. University requirements

University Core Curriculum including completion of the Library Orientation

2. Major Requirements

Comm Sci W051 and 0201

3. Track Requirements

Lower-level (Comm Sci 0108, 0207, 0208)

Upper-level (Comm Sci 0211, 0233, 0301, W360)

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
Comm Sci	0108	Introduction to Linguistics (F, S)	3	
Comm Sci	0207	Phonetics (F, S)	2	
Comm Sci	0208	Phonology (F, S) (Pre-req: Comm Sci 0207)	2	
Comm Sci	W211	Syntax (S)	3	WI
Comm Sci	0233	Basic Speech Science (S) (Pre-req: Comm Sci 0207, Comm Sci 0208, Physics C067)	4	
Comm Sci	0301	Speech and Language Development (S) (Pre-req: Comm Sci 0207, 0208)	3	
Comm Sci	W360	Field Research in Communication (S) (Pre-req: Comm Sci 0207, 0208, 0211)	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
Comm Sci	W103	Communication Deviations and Disorders (F, S)	3	WI
Comm Sci	0217	Grammatical Description (F)	2	
Comm Sci	0218	Language Processing (F) (Pre-req: Comm Sci 0217)	2	
Comm Sci	0235	Human Neuroscience (F, S)	4	
Comm Sci	0331	Language and Deafness	3	
English	0214	Semantics (F)	3	
English	0213	History of the English Language (S)	3	
Anthropology	0127	Fundamentals of Linguistic Anthropology (F, S, SS)	3	
Philosophy	0211	Intermediate Logic (S)	3	
Philosophy	0216	Philosophy of Science (S)	3	
Philosophy	0251	Philosophy of Language (F)	3	
Psychology	0236	Foundations of Cognitive Psych (S)	3	

Courses in a foreign language (including American Sign Language) beyond those numbered "52" (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
Comm Sci	W051	Introduction to Human Communication (F)	3	WI
Comm Sci	W103	Communication Deviations and Disorders (F, S)	3	WI
Comm Sci	R110	Language and Race (S)	3	RS
Comm Sci	0207	Phonetics (F, S)	2	
Comm Sci	0208	Phonology (F, S) (Pre-req: Comm Sci 0207)	2	
<i>Select either 0108 or both 0217 & 0218:</i>				
Comm Sci	0108	Introduction to Linguistics (F, S, SS)	3	
Comm Sci	0217	Grammatical Analysis (F)	2	
Comm Sci	0218	Language Processing (F) (Pre-req: Comm Sci 0217)	2	
<i>Plus, select one of the following:</i>				
Comm Sci	0301	Speech and Language Development (S)	3	
Comm Sci	W211	Syntax	3	WI

Health Information Management

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A career as a Health Information Management (HIM) professional allows students to combine interests in health care, business, and information technology. HIM professionals have expertise in health informatics, which requires knowledge of clinical medicine; the computer-based patient record; healthcare database administration; and computerized clinical information systems. This individual also has expertise in coding and classification systems, quality and human resource management, the legal aspects of health information systems, and the regulatory, and accrediting agency requirements 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, Research and Decision-Support Analyst, Clinical Data Specialist, Data Resource Administrator, Patient Information Coordinator, Director of Medical Records, 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 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 – Temple core requirements for American Culture, The Arts, English Composition, Intellectual Heritage, Individual and Society, International Studies or Language, Studies in Race, and one Writing Intensive.

2. Program requirements - Health Information Management prerequisites. The prerequisites for the Health Information Management curriculum include courses that fulfill the CORE requirements.

Quantitative Reasoning: QA: Math C055 – College Mathematics and

QB: Statistics C021 – Statistical Methods and Concepts or Mathematics C067 – Elements of Statistics or Psychology C067 – Foundations in Statistical Methods.

Science and Technology: Kinesiology C100 and C101 or Anatomy & Physiology I and II and Computer and Information Sciences C055 – Computers and Applications.

3. Electives: 7-8 credits. Strongly recommended electives include HIM 0101 (Medical Terminology) and computer science, business, and writing intensive electives.

Course Requirements for Health Information Management

Preprofessional Requirements				
Department	Course #	Course Name	Hours	RCI
Core Requirements, including the following prerequisites			55	
Math	C055	College Mathematics or equivalent QA course	3	QA
Statistics	C021	Statistical Methods and Concepts	3	QB
Math	C067	Elements of Statistics	3	QB
Psychology	C067	Fundamentals in Statistical Methods	3	QB
Kinesiology	C100	Human Anatomy & Physiology I	4	SA
Kinesiology	C101	Human Anatomy & Physiology II	4	SB
Computer & Information Sciences	C055	Computers and Applications	4	SB
Total			18	

Professional Curriculum				
Junior Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
HIM	0103	Language of Medicine	4	
HIM	0106	Health Information Systems in Acute Care	4	
HIM	0107	Healthcare Database Administration	3	
HIM	0141	U.S. Health Care System	3	
HIM	0251	Statistics, Research & Registries in Health Care	3	
Total			17	

Junior Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
HIM	0105	Legal Aspects of Health Information Management	3	
HIM	0161	Management in Health Information Systems	3	
HIM	W181	Acute Care Internship	2	WI*
HIM	0205	Health Information Systems in Nonacute Care	3	
HIM	0207	International Classification of Disease	4	
HIM	0271	Clinical Medicine I	3	
Total			18	

Senior Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
HIM	0109	Health Informatics: Infrastructure and Standards	3	
HIM	0162	Human Resource Management in Health Information Systems	3	
HIM	0203	Ambulatory Coding System	4	
HIM	0209	Quality Improvement in Healthcare	3	

HIM	0274	Clinical Medicine II	3	
HIM	W281	Nonacute Care Internship	2	WI*
Total			18	

Senior Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
HIM	0204	Health Informatics: Systems and Design	3	
HIM	0260	Current Topics & Case Studies in HIM	3	
HIM	0263	Systems Analysis in Health Information Management	3	
HIM	0282	Management Internship	3	
HIM	0342	Political, Social and Ethical Aspects of HIM	2	
HIM	0343	Healthcare Reimbursement Systems	3	
Total			17	

Total Credits Required for Graduation	125
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*Indicate writing capstone for major.

Kinesiology

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The undergraduate program in Kinesiology leading to the Bachelor of Science degree requires students to complete coursework in three broad areas: the University Core Curriculum, the Kinesiology Core, and a professional application of the discipline of Kinesiology.

The University Core Curriculum is divided into ten categories (i.e., intellectual heritage, composition and writing, individual and society, foreign language/international studies, quantitative analysis, arts, American culture, studies in race, science and technology, and library orientation). Even though there are numerous courses which can be taken to meet these requirements, the department requires Anatomy and Physiology (Kinesiology C100 and C101) for the science and technology requirement and Psychology as a Social Science (Psychology C060) 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 0001, 0202-0206) 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 professional application programs allow students to concentrate their studies in one of four areas (i.e., athletic training, exercise and sport science, teacher education (PHETE), and pre-health professional program). Students select the programs that satisfy their short term educational and professional objectives.

The **Undergraduate Athletic Training Program** prepares students to work with physically active populations at all levels of competition. The 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 course work and clinical field work experiences. This program of study is approved by the Commission on Accreditation of Allied Health Educational Program (CAAHEP) and is designed to prepare students for certification as athletic trainers by the National Athletic Trainers' Association (NATA) 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 sophomore 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.

The exercise scientist applies 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 undergraduate **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 of student teaching experience. Course work 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 course work; 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 certification. A cumulative GPA of 3.0 or greater is required for admission 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.

Kinesiology Pre-Health Professional Program

The Department of Kinesiology offers a general studies program that includes the Kinesiology Core and an expanded Liberal Arts and Sciences base under the option Pre-Health Professional Program. This combination of course work and practical experience will position the student for continued study at the graduate level in a variety of health professions, including occupational therapy and physical therapy. The program includes the standard prerequisite courses for occupational and physical therapy, but students are advised to check the prerequisites for their intended graduate program and work these into their program where elective course work is afforded. Students are also advised to maintain a minimum grade point average of 3.00 (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.

Curriculum and Degree Requirements

All students must complete 1-4 below:

1. University Core Curriculum Courses (35-40 s.h.)
2. Kinesiology Core Courses - KINES 0001, 0202-0206 (20 s.h.)
3. Forms of Movement Courses - KINES 0008-0099 (6-10 s.h.)
4. Program specific requirements and elective courses (60-70 s.h.)

Note: All courses in the Department of Kinesiology must be completed with a minimum grade of C-. The Kinesiology Core and program requirements must be satisfactorily completed prior to enrolling in any internship/externship or student teaching experience.

Professional Option Requirements

Students may select a professional application program and electives to complete the 128 semester hours required for graduation. There are four options: I. Athletic Training; II. Exercise and Sport Science; III. Physical and Health Education Teacher Education (PHETE); and IV. Kinesiology Pre-Health Professional Program. They are more fully described below.

Kinesiology Foundation Requirements

Psych C060 (3 s.h.) - Psychology as a Social Science
KINES C100 (4 s.h.) - Human Anatomy and Physiology I
KINES C101 (4 s.h.) - Human Anatomy and Physiology II

Kinesiology Departmental Requirements

KINES 0001 (3 s.h.) -Introduction to Kinesiology
KINES 0202 (4 s.h.) - Biomechanics of Human Performance
KINES 0203 (4 s.h.) - Physiological Basis of Human Performance
KINES 0204 (3 s.h.) - Motor Behavior
KINES W205 (3 s.h.) - Psychosocial Bases of Human Movement
KINES 0206 (3 s.h.) - Why Humans Move: A Philosophical and Historical Perspective

Physical Activity Requirement

KINES 0099 Physical Fitness – Majors (2 s.h.)

Lifestyle Activity

Survival Activity

Aquatics Activity

Elective Activity

Physical and Health Education Teacher Education (Phete)

PHETE Courses				
Department	Course #	Course Name	Hours	RCI
PHETE	0244	Introduction to Teaching Health Education I	1	
PHETE	0245	Introduction to Teaching Health Education II	1	
PHETE	0246	Basic Movement I	1	
PHETE	0247	Basic Movement II	1	
PHETE	0248	Advanced Movement I	3	
PHETE	0249	Advanced Movement II	3	
PHETE	0250	Micro-teaching in PHETE	1	
PHETE	0251	Tutorial in PHETE	1	
PHETE	0252	PHETE I	4	
PHETE	0253	PHETE II	4	
PHETE	0254	Teaching - School Environment	2	
PHETE	0255	Student Teaching in Health & Physical Education	12	
PHETE	0256	Developmental and Adapted Learning	3	
PHETE	0257	PHETE Practicum I	1	
PHETE	0258	PHETE Practicum II	1	
PHETE	0259	PHETE Practicum III	1	
PHETE	0260	Student Teaching Seminar	1	
Public Health Courses				
Department	Course #	Course Name	Hours	RCI
Public Health	0230	Health Science I - Physical & Environmental	3	
Public Health	0231	Health Science II - Behavioral	3	
Public Health	0232	Health Science III	3	
Public Health		Health Studies Elective	3	
Education Courses				
Department	Course #	Course Name	Hours	RCI
Education	0155	Inclusive Education for a Diverse Society	3	

Athletic Training

Kinesiology Courses				
Department	Course #	Course Name	Hours	RCI
Kinesiology	0142	Basic Techniques in Athletic Training	2	
Kinesiology	0144	Movement Injuries: Prevention & Care	3	
Kinesiology	0241	Lower Extremities: Assessment & Treatment of Injuries	3	
Kinesiology	0242	Upper Extremities: Injury Evaluation	3	
Kinesiology	0243	Head, Neck, & Spine: Assessment and Treatment of Injuries	3	
Kinesiology	0244	Organization & Administration in Athletic Training	3	
Kinesiology	0247	Practicum in Athletic Training I	3	
Kinesiology	0248	Practicum in Athletic Training II	3	
Kinesiology	0310	Physiology of Exercise	3	
Kinesiology	0341	Therapeutic Modalities in Athletic Training	4	
Kinesiology	0342	Therapeutic Exercise	4	
Kinesiology	0343	Advanced Athletic Training	3	
Kinesiology	0345	Special Topics in Athletic Training	3	

Kinesiology	0347	Practicum in Athletic Training III	3	
Kinesiology	0348	Practicum in Athletic Training IV	3	
Public Health Courses				
Department	Course #	Course Name	Hours	RCI
Public Health	0104	Nutrition & Health	3	
Public Health	0351	Emergency Medical Practice	3	

Kinesiology Pre-Health Profession Program

Kinesiology Courses				
Department	Course #	Course Name	Hours	RCI
Kinesiology	0001	The Introduction to Human Movement	3	
Kinesiology	0202	Biomechanics of Human Movement	4	
Kinesiology	0203	Physiological Basis of Human Movement	4	
Kinesiology	0204	Motor Behavior	3	
Kinesiology	W205	Psychosocial Basis of Human Movement	3	WI
Kinesiology	0206	Why Humans Move (History & Philosophy)	3	
Kinesiology	08-99	Forms of Movement (Activity Courses)	7-10	
Kinesiology	0359	Independent Study in Kinesiology	3	
Pre-Health Profession Core				
Biology	C083	General Biology I	4	SA
Biology	C084	General Biology II	4	SB
Chemistry	C071	General Chemistry I	3	SA
Chemistry	C072	General Chemistry II	3	SB
Chemistry	C073	General Chemistry Laboratory I	1	SA
Chemistry	C074	General Chemistry Laboratory II	1	SB
Physics	C083	College Physics I	4	SA
Physics	C084	College Physics II	4	SA
Psychology	0200+	Upper level elective	3	
Sociology	0100+	Upper level elective	3	
Statistics		(Math C067, Soc C067, or Psych C067 recommended)	3	
Electives		Electives	6-8	

Exercise and Sport Science

Option I - Health and Wellness				
Kinesiology Courses				
Department	Course #	Course Name	Hours	RCI
Kinesiology	0144	Movement Injuries: Care & Prevention	3	
Kinesiology	0162	Introduction to Exercise & Sport Science	3	
Kinesiology	0163	Basic Electrocardiography	3	
Kinesiology	0180	Applied Technology in Kinesiology	3	
Kinesiology	0268	Prev./Rehab Fitness Management	3	
Kinesiology	0310	Physiology of Exercise	3	
Kinesiology	0312	Exercise & Nutrient Metabolism -MG	3	
Kinesiology	0313	Exercise & Aging -UG	3	
Kinesiology	0314	Neuromuscular Principles of Strength & Conditioning	4	
Kinesiology	0360	Introduction to Exercise Testing	4	
Kinesiology	0361	Internship in Exercise Science	6-12	
Public Health	0104	Nutrition and Health	3	
Public Health	0324	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	0144	Movement Injuries: Care & Prevention	3	
Kinesiology	0162	Introduction to Exercise Science	3	
Kinesiology	0163	Basic Electrocardiography	3	
Kinesiology	0180	Applied Technology in Kinesiology	3	
Kinesiology	0310	Physiology of Exercise	3	
Kinesiology	0312	Exercise & Nutrient Metabolism	3	
Kinesiology	0313	Exercise & Aging	3	
Kinesiology	0314	Neuromuscular Principles of Strength & Conditioning	4	
Kinesiology	0360	Introduction to Exercise Science (optional)	4	
Kinesiology	0361	(Optional) Internship in Exercise Science	3-12	
Public Health	0104	Nutrition for Health	3	
Chemistry	C071	General Chemistry I	3	SA
Chemistry	C073	General Chemistry Lab I	1	SA
Chemistry	C072	General Chemistry II	3	SB
Chemistry	C074	General Chemistry Lab II	1	SB
Biology	C083	General Biology I	4	SA
Biology	C084	General Biology II	4	SB
Physics	C083	College Physics I	4	SA
Physics	C084	College Physics II	4	SB
Psychology	0200+	Upper level elective	3	
Sociology	0100+	Upper level elective	3	
Statistics		(Math C067, Soc C067, or Psych C067 Recommended)	3	

Nursing

Bachelor of Science (BSN)

Jill B. Derstine, RN, Ed.D., FAAN, 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 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.

Pre-professional Requirements for Nursing

Freshman Year, Fall Semester*				
Department	Course #	Course Name	Hours	RCI
Chemistry	C061	Introduction to Chemistry I	3	SA
Chemistry	C063	Introduction to Chemistry Laboratory I	1	SA
English	C050	College Composition	3	CO
Mathematics	C073	Intermediate Algebra	3	QA
Sociology	C050	Introduction to Sociology	3	IN
LA/IS	Core	International Studies/Foreign Language****	3	IS
Total			16	
*For students applying to Nursing Program for Fall 2007				
****One International Studies course must be non-Western or Third World				

Freshman Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	C100	Human Anatomy & Physiology I*	4	SA
Chemistry	C062	Introduction to Chemistry II	3	SB
Chemistry	C064	Introduction to Chemistry Lab II	1	SB

Intellectual Heritage	X051	Intellectual Heritage I	3	IA
Nursing	0111	Nutrition	2	
Public Health	0104	<i>or</i>		
Psychology	C060	Nutrition and Health	3	
		Psychology as a Social Science**	3	IN
Total			16-17	
*For students applying to Nursing Program for Fall 2007				
**Prerequisite for Psychology 0200 (Developmental Psychology)				

Sophomore Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	C101	Human Anatomy & Physiology II***	4	SB
Psychology	0200	Developmental Psychology	3	
Intellectual Heritage	X052	Intellectual Heritage II	3	IB
Sociology	C067	Social Statistics	3	QB
Sociology	C201	<i>or</i>		
		Statistical Methods in Sociology	4	
Core	Elective	Arts	3	AR
Total			16-17	
***Prerequisite for Nursing 0110 (Microbiology)				

Sophomore Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Nursing	0110	Microbiology	4	
Biology	C084	General Biology II	4	SB
Core	Elective	American Culture	3	AC
Core****	Elective	Foreign Language/International Studies	3-4	LB/IS
Total			14-15	
****One International Studies course must be non-Western or Third World				

(Note: Temple students who meet the University's Undergraduate Core Curriculum requirements through [the 45+ Transfer Core or Core-to-Core Transfer](#) must still take these specific courses to meet department requirements.)

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	0141	Nursing Care: Adult Client Systems	4	
Nursing	0149	Health Assessment	3	
Nursing	0145	Introduction to Nursing Systems	3	
Nursing	0147	Practicum I: Care of Adult Client Systems	2	
Nursing	0261	Pathophysiology and Applied Pharmacology for Nursing I	3	
Total			15	

Junior Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Nursing	W250	Research Methods	3	WI

Nursing	0243	Care of the Developing Family System	4	
Nursing	0244	Nursing Care Family Systems Practicum II	2	
Nursing	0245	Nursing Care: Child Practicum IIB	2	
Nursing	0262	Pathophysiology and Applied Pharmacology for Nursing II	3	
Total			14	

Senior Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Nursing	W242	Epidemiology in Nursing Systems	3	WI
Nursing	0362 or R298	Health Care of Diverse Client Systems	3	RS
Nursing	0365	Care of Chronic Ill Client Systems (Theory/Lab)	4	
Nursing	0366	Mental Health Practicum	2	
Nursing	0367	Geriatric Clinical Practicum	2	
Total			14	

Senior Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Nursing	0392	Professional Issues in Nursing	2	
Nursing	W394	Nursing Leadership	3	WI
Nursing	0395	Management Health Crisis (Theory/Lab)	4	
Nursing	0396	Advance Medical Surgical Practicum	2	
Nursing	0397	Mentorship	2	
Nursing	0399	Nursing Synthesis	1	
Total			14	

15-Month BSN 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 BSN 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	0365	Care of Chronic Ill Client Systems (Theory/Lab)	4	
Nursing	0366	Mental Health Practicum	2	
Nursing	0367	Geriatric Clinical Practicum	2	
Total			8	

Senior Year, 2nd Summer Session				
Department	Course #	Course Name	Hours	RCI
Nursing	W242	Epidemiology in Nursing Systems	3	WI
Nursing	0362	Health Care of Diverse Client Systems	3	
Total			6	

Senior Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Nursing	0392	Professional Issues in Nursing	2	
Nursing	W394	Nursing Leadership	3	WI
Nursing	0395	Management of Health Crisis (Theory/Lab)	4	
Nursing	0396	Advance Medical Surgical Practicum	2	
Nursing	0397	Mentorship	2	
Nursing	0399	Nursing Synthesis	1	
Total			14	

Advanced Placement Program for Registered Nurses

(The R.N. to B.S.N. Program)

Registered nurses who are graduates of diploma and associate degree programs may apply for admission with advanced standing. Applicants need not have completed all the pre-professional requirements before admission to the program. They should seek an appointment with the program Director to discuss the program requirements and get additional information on this curricular option. The nurse must be licensed or eligible for licensure in the Commonwealth of Pennsylvania. 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. The registered nurse may challenge certain nursing courses through written Excelsior College examinations that are scheduled several times each year. Nurses who have graduated from state-approved nursing programs in the United States and who have current nursing experience are granted 31 advanced placement credits in the nursing curriculum. Those who do not meet these criteria validate their nursing knowledge through standardized challenge tests.

Non-Matriculated Advance Placement Students

Non-matriculated students are those who have not been formally admitted to the Nursing program. Non-matriculated students are required to apply for admission before they complete 12 credits or before they enroll for their third semester.

Professional Curriculum

Requirements - Department of Nursing				
Department	Course #	Course Name	Hours	RCI
Nursing	0111	Nutrition	2	
Nursing	0112	Health Assessment for Registered Nurses	2	
Nursing	W130	Teaching Strategies for Health Professionals	3	WI
Nursing	0261	Pathophysiology and Applied Pharmacology for Nursing I	3	
Nursing	0262	Pathophysiology and Applied Pharmacology for Nursing II	3	
Nursing	W250	Research Methods	3	WI
Nursing	0291	Professional Issues for Registered Nurses	2	
Nursing	0287	Epidemiology for Registered Nurses*	2	
Nursing	0288	Community Health*	3	
Nursing	W289	Leadership in Nursing*	3	WI
Nursing	0300	Professional Seminar*	2	
		*Taken Concurrently		

Public Health

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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. The Department offers a nationally-ranked 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 fully accredited Master of Public Health program.

The Public Health major trains entry-level health educators to provide front line 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 health education 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 Core Curriculum. The department has established additional core and cognate requirements for all Public Health majors.

Public Health Major

Freshman Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
English	C050/R050	College Composition	3	WI/RS
Psychology	C060	Psychology as a Social Science	3	IN
Math	C055	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/AC/RS
Total			15-16	

Freshman Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Core	Elective	Select a course from indicated Core Area	3	AR/AC/RS
Core	Elective	Select a course from indicated Core Area	3 or 4	LB/IS
Core	Elective	Select a course from indicated Core Area	3	AR/AC/RS
Intellectual Heritage	X051	Intellectual Heritage I	3	IA
Public Health	0100	Introduction to Public Health	3	
Total			15-16	

Sophomore Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	C100	Human Anatomy and Physiology I	4	SA
Intellectual Heritage	X052	Intellectual Heritage II	3	IB
Public Health	0101	Society Drugs & Alcohol Perspectives	3	
Health Related Professions	0103	Health Psych & Human Behavior	3	
Public Health	0107	Environmental Health	3	
Total			16	

Sophomore Year, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Kinesiology	C101	Human Anatomy and Physiology II	4	SB
Public Health	0102	Disease Prevention & Control	3	
Public Health	0104	Nutrition and Health	3	
Public Health	0106	Human Sexuality	3	
English	W104	Writing for Business & Industry	3	WI
Total			16	

Junior Year, Fall Semester				
Department	Course #	Course Name	Hours	RCI

STOC	W065	Public Speaking	3	WI
Psych/Soc	C067	Foundations in Statistical Methods	3	QB
Public Health	W321	Public Health Programs	3	WI
Public Health	0302	Teaching Techniques	3	
Computer and Information Sciences	C055	Computers & Applications	4	SB
Total			16	

Junior Year, Spring Semester

Department	Course #	Course Name	Hours	RCI
Public Health	0200	Professional Seminar	3	
Public Health	0303	Teaching Health	3	
Public Health	0225	Epidemiology	3	
Public Health	W340	Public Health Program Administration	3	WI
Public Health	W312	Research Methodology	3	
Total			15	

Senior Year, Fall Semester

Department	Course #	Course Name	Hours	RCI
Public Health	0280	Internship I	5	
Public Health	0324	Counseling Techniques	3	WI
Healthcare Management	0101	Introduction to Healthcare Management	3	IN
Public Health		Elective	3	
Total			14	

Senior Year, Spring Semester

Department	Course #	Course Name	Hours	RCI
Public Health	0380	Internship II	9	
Public Health		Elective	3	
Total			12	

Transfer Student - Public Health

1st Semester Fall

Department	Course #	Course Name	Hours	RCI
Public Health	0100	Introduction to Public Health	3	
Public Health	0101	Society, Drugs & Alcohol Perspectives	3	
STOC	W065	Public Speaking	3	WI
Health Related Professions	0103	Health Psychology & Human Behavior	3	
Public Health	0107	Environmental Health	3	
Total			15	

2nd Semester Spring

Department	Course #	Course Name	Hours	RCI
Public Health	0102	Disease Prevention & Control	3	
Public Health	0104	Nutrition and Health	3	
English	W104	Writing for Business & Industry	3	WI
Public Health	0106	Human Sexuality	3	
Healthcare Management	0101	Introduction to Healthcare Management	3	IN
Total			15	

3rd Semester Fall

Department	Course #	Course Name	Hours	RCI
Public Health	0200	Professional Seminar	3	
Public Health	0302	Teaching Techniques	3	

Public Health	W321	Public Health Programs	3	WI
Public Health	W312	Research Methodology	3	WI
Computer and Information Sciences	C055	Computers and Applications	4	
Total			15	

4th Semester Spring				
Department	Course #	Course Name	Hours	RCI
Public Health	0303	Teaching Health	3	
Public Health	W340	Public Health Program Administration	3	WI
Public Health	0280	Internship I	5	
Public Health	0225	Epidemiology	3	
Total			14	

5th Semester Fall				
Department	Course #	Course Name	Hours	RCI
Public Health	0380	Internship II	9	
Public Health	0324	Counseling Techniques for Health Professionals	3	
Public Health Elective	varies	varies	3	
Total			15	

Minor in Public Health

Foundation Requirements					
Required 15 credits					
Department	Course #	Course Title	Credits	Sem.	Co-/Prereq.
Public Health	0100	Intro to Public Health	3	F/S	
Health Related Professions	0103	Health Psych/Human Behavior	3	F/S	
Public Health	0107	Environmental Health	3	F	
Public Health	0110	Contemporary Health Issues	3	F/S	
Public Health	0225	Epidemiology	3	S	Math/Psy/Soc C067
Subtotal			15		

Public Health and Society Electives				
Choose one of the following:				
Department	Course #	Course Title	Credits	Semester
Public Health	0101	Society, Drugs & Alcohol	3	F/S
Public Health	0102	Disease Prevention & Control	3	S
Public Health	0104	Nutrition & Health	3	F/S
Public Health	0106	Human Sexuality	3	F/S
Subtotal			3	

General Public Health Electives				
Choose one of the following:				
Department	Course #	Course Title	Credits	Semester
Public Health	C089	International Health	3	F/S
Public Health	0105	Violence and Injury Prevention	3	F
Public Health	0188	Health Communication	3	F
Public Health	0305	AIDS & Society	3	Inter-session/Summer
Public Health	0324	Counseling Techniques	3	F/S
Public Health	0343	Diet & Weight Management	3	S
Subtotal			3	
Total			21	

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 TR. 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 due to expansion in long-term care, physical and psychiatric rehabilitation, and services to people with disabilities.

Mission of the Department

The mission of the Therapeutic Recreation Department is to prepare recreation therapists to provide play, recreation, and leisure opportunities as a form of health promotion, rehabilitation, and disease prevention to individuals with disabilities across the lifespan. This mission is achieved through three interrelated components – teaching, research, and service. The teaching mission of the Department is to provide the best and most current teaching techniques and learning opportunities for students at all academic levels and to instill a set of values, ethics, and skills that will guide academic pursuit and professional practice. The Department's mission also includes contributing through research and other scholarly activities to the ever-changing knowledge base in health, leisure, and disability studies. Academic excellence is evident in the pass rate of alumni on the National Certifying Exam in Therapeutic Recreation and the faculty's funded research activities. The Department's service mission is emphasized through faculty and student service to local and regional agencies and organizations, including schools, community recreation providers, and health care and human services agencies. 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, or abilities.

Certification

Following satisfactory completion of all coursework and internship requirements, graduates with the B.S. 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 (BS) degree in Therapeutic Recreation (TR) 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. Students must complete University Core requirements (36-43 s.h.), including 9 semester hours of writing-intensive courses (WI). Certain courses fulfill both University Core requirements and major requirements. These include Kinesiology C100 (first level science core requirement), Psychology/Sociology C067 (second-level quantitative reasoning core requirement), Psychology C060 (Individual & Society core) and Health Related Professions C050 (Individual & Society core).

2. Major Requirements. Students must complete a set of specific courses in the major, including two credit-earning field-based clinical internships (TR 0280 and TR 0380). 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).

The following grid displays 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 Curriculum.

An asterisk (*) after the Core Indicator indicates the Writing Capstone.

Year 1 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
English	C050/	College Composition	3	CO/RC

	R050			
<i>Select one of the following Health Related Professions Courses:</i>			3	
Health Related Professions	C050	Contemporary Aspects of Disability (preferred)		IN
	0100	<i>or</i> Introduction to Health Professions		
Mathematics	C055	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			15-16	

Year 1 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Psychology	C060	Psychology as a Social Science	3	IN
Therapeutic Recreation	0108	Adapted Sport, Recreation & Inclusive Leisure Services	3	
Intellectual Heritage	X051	Intellectual Heritage 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	C100	Human Anatomy and Physiology I	4	SA
Therapeutic Recreation	0330	Foundations of Therapeutic Recreation Practice	3	
Open Elective		General Elective	3	
Intellectual Heritage	X052	Intellectual Heritage II	3	IB
<i>Select one of the following Psychology/Education courses:</i>			3	
Psychology	0200	Developmental Psychology		
Education	0122	<i>or</i> The Developing Individual Across the Life Span		
Subtotal			16	

Year 2 – Spring Semester				
Department	Course #	Course Name	Hours	RCI
Health Related Professions	0103	Health Psychology & Human Behavior	3	
STHM (External Related Elective)	C080/X080	Leisure in American Culture	3	AC/WI
Therapeutic Recreation	0332	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	C067	Foundations in Statistical Methods		QB
Sociology	C067	<i>or</i> Social Statistics		
Subtotal			15-16	

Year 3 – Fall Semester				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	0331	Assessment & Documentation	3	

Psychology	0220	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	0354	TR & Mental Health		
	0357	<i>or</i> TR & Developmental Disabilities		
Subtotal			15	

Year 3 – Spring Semester

Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	0280	Internship I (Pre-req: TR 0330, TR 0331, TR 0332)	3	
Therapeutic Recreation	0303	Health Promotion through Leisure (Pre-req TR 0108 & TR 0330)	3	
Therapeutic Recreation	0300	Professional Seminar	3	
Open Elective		General Elective	3	
<i>Select two of the following Therapeutic Recreation courses:</i>			6	
Therapeutic Recreation	0358	TR & Long Term Care		
	0355	<i>or</i> TR & Physical Disabilities		
	0356	<i>or</i> TR & Pediatric Health Care		
Subtotal			18	

Year 4 – Fall Semester

Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	W335	Clinical Procedures in TR (pre-req: TR 0280, TR 0331, TR 0332)	3	WI*
Therapeutic Recreation	0350	Administration of Therapeutic Recreation (Pre-req: TR 0280)	3	
Therapeutic Recreation	W312	Research & Evaluation (pre-req.: Stat/QB)	3	WI
Open Elective		General Elective	3	
<i>Select one of the following Therapeutic Recreation Courses:</i>			3	
Therapeutic Recreation	0354	TR & Mental Health		
	0357	<i>or</i> TR & Developmental Disabilities		
Subtotal			15	

Year 4 – Spring Semester

Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	0380	Internship II (Pre-req: All required coursework)	12	
Subtotal			12	
Total Credits Required for Degree			121 min*	
*KIN C100, Psych C067 or Soc C067, Psych C060 and HRP C050 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.)

Transfer Curriculum

The following course sequencing 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.

1st Semester - Fall				
Department	Course #	Course Name	Hours	RCI
Health Related Professions	C050	Contemporary Aspects of Disability	3	IN
Therapeutic Recreation	0108	Adapted Sport, Recreation & Inclusive Leisure Services	3	
Therapeutic Recreation	0332	Therapeutic Recreation Modalities	3	
Therapeutic Recreation	0330	Foundations of Therapeutic Recreation Practice	3	
Open Elective		Related Elective	3	
<i>Select one of the following Therapeutic Recreation Courses:</i>			3	
Therapeutic Recreation	0354	TR and Mental Health		
	0357	or TR and Developmental Disabilities		
Subtotal			18	

Second Semester - Spring				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	0300	Professional Seminar	3	
Therapeutic Recreation	0331	Assessment & Documentation	3	
Therapeutic Recreation	0303	Health Promotion through Leisure (Pre-req TR 0108 & TR 0330)	3	
Health Related Professions	0103	Health Psychology & Human Behavior	3	
<i>Select two of the following Therapeutic Recreation courses:</i>			6	
Therapeutic Recreation	0358	TR & Long Term Care		
	0355	or TR & Physical Disabilities		
	0356	or TR & Pediatric Health Care		
Subtotal			18	

3rd Semester - Summer				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	0280	Internship I	3	
Subtotal			3	

4th Semester - Fall				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	W335	Clinical Procedures in TR (Pre-req: TR 0280, TR 0331, TR 0332)	3	WI*
Therapeutic Recreation	0350	Administration of Therapeutic Recreation (Pre-req: TR 0280)	3	
Therapeutic Recreation	W312	Research & Evaluation (Pre-req: Stat/QB)	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	0354	TR & Mental Health		
	0357	<i>or</i> TR & Developmental Disabilities		
Subtotal			18	

5th Semester - Spring				
Department	Course #	Course Name	Hours	RCI
Therapeutic Recreation	0380	Internship II (Pre-req: All Required Coursework)	12	
Subtotal			12	
Total Credits Required for Degree			121 min	

COLLEGE OF LIBERAL ARTS

Founded 1884
Carolyn Adams, Acting Dean
12th Floor, Anderson Hall
1114 W. Berks Street
215-204-7747

Benjamin Rifkin, Vice Dean for Undergraduate Affairs
1206 Anderson Hall
215-204-7743
brifkin@temple.edu
www.temple.edu/CLA

Danielle Reinhart, Acting Director of the Academic Advising Center
1810 Liacouras Walk, Third Floor
215-204-7971
danielle.reinhart@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 in speech and writing, critical and analytical thinking, problem solving, and technological literacy - tools necessary for any professional career. Our courses train students to identify and evaluate sources of information in a world in which information is abundant; our students learn to use that 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 are also trained 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.

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.

In the College of Liberal Arts, scholarly excellence and originality are our highest goals. We offer a rigorous curriculum, but also demand that our students 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 intellectual growth at Temple, and lead to excellence and success in all careers.

The College's undergraduate programs prepare students to enter the world as informed, responsible citizens, as women and men making consequential choices about the future of their communities, and as leaders in the careers they choose to pursue not only immediately upon graduation, but ten, twenty and thirty years later as they move from one career to the next. Because a rapidly-changing technological society cannot prosper without men and women trained in the methods of logical inquiry, deductive reasoning, and critical analysis, the College holds fundamental assumptions about undergraduate education:

- There are certain skills and concepts basic to all academic disciplines, and their mastery is essential for all subsequent study;
- A liberal education should teach students how to learn;
- Factual knowledge has value only when the methods of inquiry which led to its creation are understood.

The undergraduate Core Curriculum is based upon the skills and knowledge essential to a liberal education. In a world which every year becomes more complex and where information becomes more highly specialized, the ability to speak and write well—to communicate and describe ideas in language that is clear and precise—is the greatest asset of an educated man or woman. The increasing reliance of society upon numbers also requires the ability to manipulate numerical data, to recognize their misuse, and to understand the multiple interpretations they often permit. Informed judgment requires of the student an awareness of the diversity of cultures and knowledge of our intellectual heritage and the major texts through which that heritage is transmitted. Personal fulfillment rests upon the appreciation of truth and beauty manifested in the works of religion, philosophy, and the arts.

Baccalaureate programs in the divisions of the College of Liberal Arts—the social sciences and the humanities—lead from the Core Curriculum toward mastery of the subject matter, methods, and values of a chosen field, and prepare the students for life after graduation, whether students embark upon a career or further study in graduate or professional programs. In conjunction with the major, many students complete pre-professional coursework required for preparation for future studies in the health sciences, dentistry, law, pharmacy, or medicine. All of our programs offer undergraduates the opportunity to work with distinguished faculty and a richly-diverse and stimulating student body as they prepare for an active role in a future of change and challenge.

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 and 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 resumes, 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

Eli Goldblatt, Director
1046 Anderson Hall
215-204-1820
eligold@temple.edu

Keith Gumery, Associate Director
1046 Anderson Hall
215-204-2072
www.temple.edu/english/fywp/

The First-Year Writing Program comprises English 0040, 0041, C050, C051, and R050. English 0040 is a 4-credit course that focuses on writing within a single theme and disciplinary approach. English C050 is a 3-credit course that takes a broader perspective, requiring students to explore a single theme from the point of view of at least two disciplines and meets the Core Composition requirement. English R050 is the same as C050 except that the readings focus on the study of race. R050 meets the Core Studies in Race requirement as well as the Core Composition requirement. English 0041 and C051 are courses designed to meet the needs of the ESL (English as a Second Language) learner, and the guidelines for English 0040 and English C050 are followed.

English 0040 and C050 form a year-long sequence to introduce students to academic discourse. Entering first-year students are either placed into the 0040-C050 sequence, placed into C050 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 0040/41 requirement, they may not enroll in English C050/C051. English C050/C051 is a prerequisite for Intellectual Heritage X051 and X052 and any upper-level course in the College of Liberal Arts. English C050/C051 or R050 may not be taken for credit by students who have successfully completed English H090.

Intellectual Heritage Program

Istvan Varkonyi, Director
samsa@temple.edu
214 Anderson Hall
215-204-8276

Marc Stier, Associate Director
marc.stier@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 is a writing-intensive two-course sequence required as part of the University Core curriculum. Through encounters with some of the rich, complex, and historically significant texts that have shaped the culture we know in the United States today, students build reading, writing, and speaking skills and intellectual curiosity and engagement. Students become familiar with some of the key concepts and moments in Western and other intellectual traditions.

Intellectual Heritage is required of all entering undergraduate students. Satisfactory completion of the Core Composition requirement is prerequisite to IH X051. IH X051 is prerequisite to IH X052. Honors sections are offered as IH X091 and X092, 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 Academic Programs/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 departmental Honors Programs. 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 twenty-first century classroom.

Five-Year Combined B.A./M.Ed. Teaching Certification Program

Matthew Badura
Program Advisor
CLA Academic Advising Center
mbadura@temple.edu

Temple's Five-Year Teacher Education Program provides an opportunity for students to obtain an undergraduate degree while simultaneously pursuing a Master's degree in education that leads to Teaching Certification in Elementary Education, Special Education, or Secondary Education for the Commonwealth of Pennsylvania.

Students in the five-year program enroll in graduate-level courses beginning in the fall semester of the junior year. After completing their undergraduate degrees, students make a seamless transition into graduate studies for one additional year.

Eligible Majors:

- Majors in most disciplines can apply for Elementary Education and Special Education Certification.
- Majors in English, Foreign Languages, History, Geography and Urban Studies, Geology, Mathematics, Biology, Chemistry, and Physics can apply for Secondary Education Certification.

Students who apply must have:

- At least 30 credit hours completed.
- A minimum cumulative GPA of 3.0.
- Compliance with university standards for performance and conduct.

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 also recognized at this annual event. These prizes are awarded competitively and are a testament to the excellence of the College of Liberal Arts undergraduates.

Phi Beta Kappa

See [Supplemental Educational Opportunities>Academic Opportunities>Honor Societies](#).

President's Scholars

See [Supplemental Educational Opportunities>Academic 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, Manager
ETC Computer Lab
AL 21 Anderson Hall
215-204-3213

General Labs

The Educational Technology Center (ETC), located in Anderson Hall Room 21, provides computing and media resources to faculty and students through out the University. A drop-in computer lab located in Anderson 21 assists students with course-related programs and computing needs.

Instructional Labs

The Center also boasts two instructional labs (AL 19 and AL 22), one production lab for Geographic Information Systems (GH 336), two labs for the social sciences (Gladfelter Hall 748 and Weiss 640), and two state-of-the-art foreign language labs (AC 103 and 104).

Media Learning Center

Frank Palazzo, Manager, Media Learning Center
AL 21 Anderson Hall
215-204-5439

The Media Learning Center, 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.

Hours of Operation:

General Labs

Anderson Lecture Hall 21 (AL-21) 8:30 a.m. – 9:00 p.m. Monday – Thursday; 8:30 a.m. - 5:00 p.m. Friday

Instructional Labs

Anderson Lecture Hall 19 and 22 (AL-19, AL-22) 8:30 a.m. – 9:00 p.m. Monday – Thursday;
8:30 a.m. - 5:00 p.m. Friday*

Anderson Classrooms 103 and 104 8:30 a.m. - 7:30 p.m. Monday – Thursday; 8:30 a.m. – 5:00 p.m. Friday*
Gladfelter Hall 336 and 741: 8:30 a.m. - 8:45 p.m. Monday – Thursday; 8:30 a.m. – 5:00 p.m. Friday
Weiss Hall 640: 8:30 a.m. - 4:30 p.m. Monday - Friday
Media Learning Center
Anderson Lecture Hall 21 (AL-21) 8:30 a.m. – 9:00 p.m. Monday – Thursday; 8:30 a.m. - 5:00 p.m. Friday

There are no evening hours during summer sessions.

* Open for classroom use only. All software and data are also available in the Anderson Hall AL-21 drop-in computer lab. To schedule a class or event in these labs, please contact cla.scheduling@temple.edu

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 website 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 on-line 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 Spring semesters, freshmen meet with advisors in a group setting to discuss course selections for the upcoming 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 good academic standing are encouraged to meet with their advisors before processing their schedules via e-mail registration. Students ineligible to use on-line 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	0109	Courtroom in American Society	3	
Anthropology	0223	Comparative Law	3	
Criminal Justice	0150	Introduction to Criminal Law	3	
Criminal Justice	0243	American Jury System	3	
Criminal Justice	0247	Criminal Procedure: Prosecution and Adjudication	3	
History	R267	Race & U.S. Constitution	3	RS
Philosophy	C062	Morality and the Law	3	IN
Philosophy	0154	Political Philosophy	3	
Philosophy	0243	Philosophy of Law	3	
Political Science	0117	American Constitutional Principles I	3	
Political Science	0118	American Constitutional Principles II: Civil Rights in America	3	
Political Science	0270	Classics in Political Philosophy	3	
Sociology	0270	Sociology of Law	3	
Sociology	0283	Social Movements	3	
Women's Studies	0273	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	0108	Introduction to Linguistics	3	
Adult and Org. Development	0214	Conflict and Communication	3	
English	W103	Writing the Research Essay	3	WI
English	W101	Developing Prose Style	3	WI
English		Upper-level literature courses	3	
STOC	0065	Public Speaking	3	
STOC	0160	Persuasion	3	

To develop analytical reasoning skills:

Department	Course #	Course Name		
Philosophy	0055	Critical Thinking	3	
Philosophy	C066	Logic	3	QB
Philosophy	0100	Introduction to Philosophy	3	

Philosophy	0121	Introduction to Ethics	3	
STOC	0164	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 and 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 course work as a student registered through the College and at least half of the courses required in the major at Temple.

Course Eligibility

All College of Liberal Arts undergraduate courses are divided into three kinds:

- Preparatory courses numbered 0001-0049: open to all students, full-time, part-time, matriculated, and non-matriculated.
- Lower-Level courses numbered 0050-0099: open to all students including non-matriculated students who are in the process of completing required remedial courses or who have completed them, and who have completed appropriate course prerequisites.
- Upper-Level courses numbered 0100-0399: open to all matriculated students who have completed all necessary remedial courses and 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, as well as a 2.0 overall in the colleges of CLA/CST and in their anticipated major. Students who have not yet completed a course in their intended major will not be eligible to IUT until they do so. Also, 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 appointment and must make alternate arrangements to discuss their remaining requirements.

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 Core, 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 at the reception desk of the Advising Center.

Placement Tests

All incoming freshmen must take diagnostic English and mathematics placement tests. Transfer students who have not completed English C050 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 preparatory composition and mathematics courses. Students assigned to English 0040/0041 must register each semester for that course until the requirement is completed. Only upon successful completion of English 0040/0041 can such students enroll in English C050/C051. 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 Core. 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 and 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, and Reinstatement

To remain in Academic Good Standing in the University, a matriculated or non-matriculated undergraduate student must achieve a semester Grade Point Average of at least a 2.0 for each semester.

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 semesters, 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 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 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. Of that, 6 semester hours must be outside the student's major division (e.g. Social Sciences or Humanities).

A maximum of 9 semester hours in preparatory courses (courses numbered 0001-0049) may be applied to any baccalaureate degree.

A maximum of 12 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.

Core

Bachelor of Arts candidates must complete the University Core requirements with the following difference: For the Core Language or International Studies requirement, the College of Liberal Arts requires candidates for the B.A. to complete one of the following options:

- Complete the third semester of a language (course number C061, except in Critical Languages) and one International Studies course or
- Complete the second semester of a language (course number 0052, except in Critical Languages) and two International Studies courses, at least one of which must be "Third World/Non-Western."

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 minor coursework in order to graduate with the minor. 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 Culture and Media Arts, 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 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 Mathematics 0015, Military Science, or RCC-Enhanced 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, 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 and 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 Steering 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, Anthropology, Asian-American Studies, Asian Studies, Cognitive Neuroscience (see Psychology), Criminal Justice, Critical Languages, Economics, English, Environmental Studies, French, Geography and Urban Studies, German, Greek and Roman Classics, Hebrew, History, Italian, Japanese, Jewish Studies, Latin American Studies, Philosophy, Political Science, Portuguese, Psychology, Religion, Russian, Sociology, Sociology of Health, Spanish, Visual Anthropology (see Anthropology), Women's Studies.

Certificates of Specialization

Students may choose to complete the requirements for an additional Certificate of Specialization. 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: 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); Latin American Studies and Spanish for Business (see Spanish); Latino Studies and Spanish for Health and Human Services Professions (see Spanish); Management Career (see Economics); Multilingual Business and Government Studies (see Spanish); Neuroscience (see Psychology); Political Economy (see Political Science); Sociology Health Research (see Sociology); Women's Studies (see Women's Studies); Writing (see English).

Student Contact Information

www.temple.edu/directories.html

African American Studies

Dr. Nathaniel Norment, Chairperson

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The mission of the Department of African American Studies 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 problem solve 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	W051	Introduction to African American Studies	3	WI
African American Studies	0052	Introduction to African Aesthetics	3	
African American Studies	0100	African Civilization	3	
African American Studies	0151	Mass Media in the Black Community	3	
African American Studies	0155 ¹	Introduction to Research Methods (offered during Fall semester only ¹)	3	
African American Studies	W398 ¹	Senior Capstone Seminar (offered during Spring semester only)	3	WI*
African American Studies	Electives	Select four (4) additional courses, two of which must be above the 100 level. ²	12	
Total			30	
* Indicates Writing Capstone.				

Note 1: Students must take AAS 0155 Research Methods and W398 Senior Capstone Seminar in sequence because students must complete in AAS W398 the research that they will design in AAS 155. Thus, complete AAS 155 in the fall—the only term in which it is offered--and then immediately enroll in AAS 398 for the spring term-- the only semester in which it is offered. The Department does not accept other research courses as substitutes for AAS 155.

Note 2: Make these selections based on the content areas in which you desire greater familiarity (e.g., AAS literature, AAS social issues, AAS psychology, etc.). Two of these four courses may be AAS-related courses 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 major. Majors must earn a grade of B or higher in external courses that they wish to apply toward the AAS major.

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	W051	Introduction to African American Studies	3	WI
African American Studies	0052	Introduction to African Aesthetics	3	
African American Studies	0100	African Civilization	3	
African American Studies	0151	Mass Media in the Black Community	3	
African American Studies	0155	Introduction to Research Methods (offered during Fall semester only)	3	
Select two (2) additional courses, one of which must be above the 100 level.			6	
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 AAS-related courses 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. Majors 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 0155.				
Total			21	

American Culture and Media Arts

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 941 Anderson Hall
 215-204-1644

The American Culture and Media Arts major combines faculty and courses from the American Studies program (in the College of Liberal Arts), the Film and Media Arts Department, and the Journalism Department (in the School of Communications and Theater). It is one of the first programs to bridge two schools at Temple, making use of the University's broadest resources. Students may choose this major from either school (CLA or SCT), with the requirements the same in either case. The major is a response to the fact that mediated culture – film, television, radio, photography, print journalism – has come to dominate the experience of Americans, while at the same time American values and traditions inform our creation and reception of the media. Academic work and fieldwork are coordinated and keyed to the student's program of study and interests. Students in the American Culture and Media Arts program develop skills in historical and contemporary research. Seniors have the opportunity to gain practical experience through our internship program, working at one of any number of media-related industries and museums in the Philadelphia area. Students graduating with the American Culture and Media Arts degree can expect to pursue careers in media-related organizations, e.g., film, video, and radio production; archival and library positions, particularly in media institutions; public relations jobs in media; museum research positions supporting exhibitions and media; and media analysis for publications. Graduates can also pursue advanced training at the graduate level in documentary film production.

A fuller description of the program can be found in [Intercollegial Programs](#).

Requirements for the Major

Department	Course #	Course Name	Hours	RCI
<i>Select one of these two:</i>			3	
FMA	0102	Production of Media Culture		
		<i>or</i>		
Journalism	C055	Journalism and Society		IN
<i>Select five courses from this list (SCT):</i>			15-20	
FMA	0155	Introduction to Film and Video Analysis		
FMA	0202	Production Research and Development		
FMA	0203	Theory and Practice of Media Culture		
FMA	W360	History of Documentary		WI

FMA	W368	History of Narrative Film		WI
Advertising	0055	Intro to Advertising		
Journalism	0222	Intro to Magazines		
Journalism	0320	Race and Racism in the News		
Journalism	0335	History of Journalism		
Journalism	0352	Gender and American Mass Media		
<i>Select five courses from this list (American Studies):</i>			15	
American Studies	0102	Technology and American Culture		
American Studies	0103	American Places: Home, City, Region		
American Studies	0104	The Arts in America		
American Studies	0105	Ideal America: Reform, Revolution and Utopia		
American Studies	0108	Immigrant Experiences in America		
American Studies	R112	African American Experiences		RS
American Studies	W118	The American Woman: Vision and Revision		WI
American Studies	0124	Political Protest and Culture in the 60s		
American Studies	0125	Photography in America		
American Studies	0126	Documentary Film and American Society		
American Studies	0127	Mass Media and American Pop Culture		
American Studies	0128	Philadelphia Neighborhoods		
American Studies	R136	Asian American Experience		RS
American Studies	W140	Radicalism in the U.S.		WI
Capstone course (choose one from this list):			3-4	
American Studies	W393	Senior Seminar in American Studies		
FMA	0380	Senior Media Culture Thesis I		
Journalism	0391	Senior Projects 1		
Total			36-42	

Distinction in Major

American Culture and Media Arts majors may graduate with distinction in the major if they have a GPA of at least a 3.5 in the major and a cumulative GPA of at least a 3.0.

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	C051 or H091	American Lives		AC
American Studies	C062 or H092	Work in America		AC
American Studies	0099	Key Documents in American Civilization		

American Culture – Select one			3	
American Studies	0104 or H194	The Arts in America		
American Studies	0110	Museums and American Culture		
American Studies	0122	Introduction to Material Culture		
American Studies	0125	Photography in America		
American Studies	0126	Film and American Society		
American Studies	0127	Mass Media and American Popular Culture		
American Studies	0150	The Documentary Mode		
Place in American Life – Select one			3	
American Studies	0103 or H195	American Places: Home, City, Region		
American Studies	0128	Philadelphia Neighborhoods		
American Studies	0130	The City: Urban Design, and American Culture		
American Studies	0131 or H196	American Frontiers		
American Studies	0143	Tourism in America		
Diversity in America – Select one			3	
American Studies	0108 or H198	Immigrant Experiences in America		
American Studies	R112	African-American Experiences		RS
American Studies	W118 or H192	American Woman: Visions and Revisions		WI
American Studies	R136	Asian-American Experiences		RS
American Studies	0142	The American Sexual Past		
American Studies	0148	Puerto Ricans in Philadelphia		
American Studies	0151	Asian American History		
American Studies	0152	Asian Diaspora		
American Studies	0153	Asian Women in Transition		
American Studies	0154	Introduction to Asian American Literature		
American Studies	H197	Quest for the American Dream		AC
Change in America – Select one			3	
American Studies	0101	Contemporary Trends in American Workplace		
American Studies	0102/H193	Technology and American Culture		
American Studies	0105/H199	Ideal America: Reform, Revolution, and Utopia		
American Studies	0106	Literature and Political Change		
American Studies	0109	Courtroom in American Society		
American Studies	0121	America in the 1950s		
American Studies	0124/H191	Political Protest and Culture in the 60's		
American Studies	R134	Literature of American Slavery		RS
American Studies	W140/H190	Radicalism in the United States		WI
American Studies	0144	Critical Moments in American Past		
American Studies	0146	Global America		
American Studies	0100	Topics in American Culture+		
+Specific subjects change each semester. See course descriptions for information on a particular offering. AS 100 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 AS core courses as well as choices from all other American Studies courses.				
American Studies		Electives (select from 0100-0399)	9	
In addition, students 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	W393	Senior Seminar in American Studies		WI*
American Studies	W394	Senior Independent Study		WI*
Total			39	

* Indicates Writing Capstone for the Major				
**We urge students to 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 W394.				

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	Electives	Select six American Studies courses, at least three of which should be taken from different American Studies Core Areas as listed under "Major Requirements."	18	

Asian American Minor

Dr. Kathleen Uno, Coordinator

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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	R136	Asian American Experiences		RS
American Studies	C051	American Lives: Asian American Lives		AC
American Studies	0154	Introduction to Asian American Literature		
American Studies	0152 or W152	Asian Diaspora		W152: WI
American Studies	0153 or W153	Asian Women in Transition		W153: WI
American Studies	0151 or W151	Asian American History		W151: WI
American Studies	0155 or R155 or W155	Asian American Topics *		RS WI
*Courses may focus on specific issues like Filipinos in America, Vietnamese and Filipinos in Diaspora, Chinatowns, Law and Public Policy.				
<i>Select one American Studies course on race or ethnicity</i> (or an alternative approved by an advisor).			3	
American Studies	0108	Immigrant Experiences		
American Studies	0148	Puerto Ricans in Philadelphia		
American Studies	R112	African American Experiences		RS
American Studies	0137	Italian/American Literature and Culture		
<i>Select one Asian Studies course</i> under an Asian Studies or cross listed number. Advisors can help choose from a list of over sixty courses.			3	
Total			18	

Anthropology

Charles Weitz, Chair
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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	RO60	Introduction to Anthropology	3	IN/RS
Anthropology	CO61/H091	Cultures of the World	3	IS
Anthropology	CO64	American Culture	3	AC
Anthropology	CO65	Origins of Cultural Diversity	3	IS
Subtotal			3	
Fundamentals				
Anthropology	W120	Fundamentals of Cultural Anthropology	3	WI
Anthropology	0124	Fundamentals of Archaeology	3	
Anthropology	0125	Fundamentals of Biological Anthropology	4	
Anthropology	0127	Fundamentals of Linguistic Anthropology	3	
Subtotal			13	

Methods – Select one: *			3-4	
Anthropology	0205	Heritage Management in Archaeology		
Anthropology	0307	Theory and Methods in Linguistics		
Anthropology	W308	Research in Visual Anthropology		WI
Anthropology	0310	Fieldwork in Ethnography		
Anthropology	0320	Field Session in Archaeology		
Anthropology	0321	Methods in Archaeology (variable topic course: Sediments, soils and geomorphology; lithic analysis; ceramic analysis; field methods)		
Anthropology	0326	Methods in Physical Anthropology (variable topic course: human osteology; primate anatomy; forensic anthropology)		
Anthropology	0334	Anthropological Problems in Visual Production		
Anthropology	W301	History of Anthropological Theory (Capstone)	3	
Anthropology	0100-0399	Electives – <i>Select Five (5):</i>	15	
		Choose from courses at the 100 level and above that have not been used to satisfy other requirements for the major		
Subtotal			21-22	
Total			37-38	
*Additional methods courses can be taken as electives; 0321 and 0326 can be taken multiple times as they are topical courses.				

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
Introductory – Select one:			3	
Anthropology	RO60	Introduction to Anthropology		IN/RS
	CO61	Cultures of the World		IS
	CO64	American Culture		AC
	CO65	Origins of Cultural Diversity		IS
Fundamentals – Select two:			6-7	
Anthropology	W120	Fundamentals of Cultural Anthropology		WI
	0124	Fundamentals of Archaeology		
	0125	Fundamentals of Biological Anthropology		
	0127	Fundamentals of Linguistic Anthropology		
Electives – Select three:			9	
Anthropology	0100-0399	Chosen from remaining courses at the 100 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	0125	Fundamentals of Biological Anthropology (Note: 0125 is the prerequisite for all courses in Biological Anthropology.)	4	
Anthropology	W120	Fundamentals of Cultural Anthropology	3	WI
<i>Select one of the following Biology sequences; you cannot mix sequences:</i>			8	
Biology	C083 and C084	General Biology I and II		SA/SB
	0101 and 0102	<i>or</i> Introduction to Biology		
<i>Select one of the following Anatomy and Physiology sequences; you cannot mix sequences</i>			8	
Kinesiology	C100 and C101	Human Anatomy and Physiology I and II		SA/SB
Biology	0233 and 0334	<i>or</i> Mammalian Anatomy and Physiology		
<i>Select two:</i>			6	
Anthropology	0161	Human Paleontology		
Anthropology	0162	Human Biology of Modern Human Populations		
Anthropology	0163	Human Population Genetics		
Anthropology	0164	Primate Behavior		
<i>Select one of the following Advanced courses:</i>			3	
Anthropology	0212	Medical Anthropology		
Anthropology	0220	Environmental Physiology		
Anthropology	0248	Introduction to Primates		
Anthropology	0280	Evolutionary Biology		
Anthropology	0326	Methods in Physical Anthropology*		
<i>Select one of these Capstone courses:</i>			3	
Anthropology	W323	Advanced Seminar in Medical Anthropology		WI
	W324	Genetic Basis of Human Variation		WI
	W325	Biocultural Adaptations in Human Populations		WI
	W327	Evolutionary Perspectives on Human Reproduction		WI
	W380	Seminar in Evolutionary Biology		WI
Electives – Select two**:			6	
Anthropology	0212	Medical Anthropology		
Anthropology	0220	Environmental Physiology		
Anthropology	0280	Evolutionary Biology		
Anthropology	0326	Methods in Physical Anthropology*		
Biology		Any upper-division courses numbered 0203 and above		
Chemistry	0371	Biochemistry I		
Chemistry	0372	Biochemistry II		
History	0257	American Medicine: A Social History		
Psychology	0200	Developmental Psychology		
Psychology	0210	Social Psychology		
Psychology	0220	Psychopathology		
Psychology	0230	Cognitive Psychology		
Psychology	0250	Learning and Behavior Analysis		
Psychology	0260	Behavioral Neuroscience		
Psychology	0265	Cognitive Neuroscience		
Sociology	0252	Health and Disease in American Society		

Total			41-42	
*Topical course which may be taken more than once				
**Cannot double-count electives and any other major requirements				

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 website 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	0158	Fundamentals of Visual Communication	3	
Anthropology	W120	Fundamentals of Cultural Anthropology	3	WI
Anthropology	0127	Fundamentals of Linguistic Anthropology	3	
Anthropology	0334	Anthropological Problems in Visual Production	3	
Subtotal			12	
<i>Select one:</i>			3-4	
Anthropology	0124	Fundamentals of Archaeology		
Anthropology	0125	Fundamentals of Biological Anthropology		
Capstone:			3	
Anthropology	W308	Research in Visual Anthropology		WI
Electives – Select six:			18	
Anthropology	0224	Art and Anthropology		
Anthropology	0233	Anthropological Film		
Anthropology	0234	Anthropology of Feature Film		
Anthropology	0237	Pictorial Lives		
Anthropology	0238	Visual Anthropology of Modern Japan		
Anthropology	0239	Anthropology and Photography		
Anthropology	0242	Anthropology of Mass Media		
Subtotal			24-25	

Total		36-37
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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	W120	Fundamentals of Cultural Anthropology		WI
Anthropology	0127	Fundamentals of Linguistic Anthropology		
Anthropology	0158	Fundamentals of Culture and Visual Communication		
Methods:			3	
Anthropology	0334	Anthropological Problems in Visual Production		
Electives – Select two:			6	
Anthropology	0224	Art and Anthropology		
Anthropology	0233	Anthropological Film		
Anthropology	0234	Anthropology of Feature Film		
Anthropology	0237	Pictorial Lives		
Anthropology	0238	Visual Anthropology of Modern Japan		
Anthropology	0239	Anthropology and Photography		
Anthropology	0242	Anthropology of Mass Media		
Total			18	

Asian Studies

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 Monte Hull, Faculty Advisor
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asianst@temple.edu
www.temple.edu/asian_studies

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 course work. 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.

Requirements for the Major

Department	Course #	Course Name	Hours	RCI
<i>Select two foundations courses from the list below. May incorporate the study of South or Southeast Asia if approved by the Asian Studies advisor.</i>			6	

Asian Studies	C084	Chinese, Japanese Culture thru Literature		IS
Asian Studies	C086	Geography of East and South Asia		IS
Asian Studies	0115	Introduction to East Asia: China		
Asian Studies	0116	Introduction to East Asia: Japan		
<i>Complete the fourth semester of a language below*:</i>			3	
Critical Languages	0161	Hindi Intermediate II		
Critical Languages	0167	Chinese Intermediate II		
Critical Languages	0171	Japanese Intermediate II		
Critical Languages	0173	Korean Intermediate II		
Asian Studies	Electives	Seven electives from three different subject areas.	21	
Asian Studies	W300	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.				

Distinction in 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 foundations courses from the list below. May incorporate the study of South or Southeast Asia if approved by the Asian Studies advisor.</i>			6	
Asian Studies	C084	Chinese, Japanese Culture thru Literature		IS IS
Asian Studies	C086	Geography of East and South Asia		
Asian Studies	0115	Introduction to East Asia: China		
Asian Studies	0116	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>				
Critical Languages	0061	Hindi Elements II	4	
Critical Languages	0067	Chinese Elements II		
Critical Languages	0071	Japanese Elements II		
Critical Languages	0073	Korean Elements II		
Total			22-26	
*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 and Society Certificate

Department	Course #	Course Name	Hours	RCI
<i>Two required courses:</i>				
Asian Studies	0100	Practical Asian Society	3	
IB	0100	Fundamentals of Asian Business	3	
Asian Studies	0104	<i>or</i> Introduction to Asian Business		
<i>(IB 0100 and Asian Studies 0104 are cross listed)</i>				
<i>Select one economics course:</i>			3	
Economics	0250	International Trade		
Economics	0251	International Financial Economics		
GSM	0380	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
Completion of the second semester of a language below*:			4	
Critical Languages	0061	Hindi Elements II		
Critical Languages	0067	Chinese Elements II		
Critical Languages	0071	Japanese Elements II		
Critical Languages	0073	Korean Elements II		
Total			19-23	

* 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.

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	C050	Introduction to Criminal Justice	3	IN
Criminal Justice	0130	Nature of Crime	3	
Criminal Justice	W145	Planned Change in Criminal Justice	3	WI*
Criminal Justice	0150	Introduction to Criminal Law	3	
Criminal Justice	0160	Introduction to Criminal Justice Research	3	
Criminal Justice	C161	Criminal Justice Research and Analysis	3	QB
Criminal Justice	electives	Eight Upper-Level Criminal Justice Electives (100 level or higher)	24	
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 0303 and CJ 0304). These courses are optional with CJ 0303 credits counting toward the major and the CJ 0304 credits (3 credits for 10 hours/week, 6 credits for 20 hours/week, or 9 credits for 30 hours/week) counting as free electives.				

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	C050	Introduction to Criminal Justice	3	IN
Criminal Justice	0130	Nature of Crime	3	
Criminal Justice	W145	Planned Change in Criminal Justice	3	WI
Criminal Justice	0150	Introduction to Criminal Law	3	
Criminal Justice		Any three Criminal Justice courses above the 0100 level	9	
Criminal Justice		Any seminar (0300 level) course	3	
Total credits required for the minor in Criminal Justice			24	

Critical Languages Center

Louis Mangione, Chair
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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 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.

Hebrew Division

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Requirements for the Major - Hebrew

Department	Course #	Course Name	Hours	RCI
Hebrew	0051	Elements I	4	LA
Hebrew	0052	Elements II	4	LA
Hebrew	C061	Intermediate I	3	LB
Hebrew	0062	Intermediate II	3	
Hebrew	W101	Advanced Hebrew	3	WI
Hebrew	Electives	Five Hebrew courses at the 200/300 level	15	
Hebrew	Elective	One Bible course at the 300 level	3	
Total			35	

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	0051 & 0052	Beginners' Hebrew I & II		LA
		<i>or</i>		
Hebrew	C061 & 0062	Intermediate I & II		LB
		Advanced students will take two electives instead of the above courses.		
<i>Two courses from the following:</i>			6	
Hebrew	0236	Israel in the Middle East		/WI
Hebrew	0242	Dev. Of Mod. Short Story		
Hebrew	0245	Agnon		
GHRC	0279 or W279	Lit. and Art of the Holocaust		
Hebrew	0379	Holocaust and Resistance		
Hebrew	Electives	Any two Hebrew courses above 100 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 0171 will need one additional elective; those who place out of 0270 will need two additional electives; those who place out of 0271 will need three additional electives.

Department	Course #	Course Name	Hours	RCI
Critical Languages	0171	Japanese Intermediate II	3	
Critical Languages	0270	Japanese Advanced I	3	
Critical Languages	0271	Japanese Advanced II	3	

<i>Select one course from the following listing:</i>			3	
Critical Languages	W120/H190	Japanese Popular Culture and Literature		WI
Critical Languages	0121/0222	Japanese Literature in Film		
Critical Languages	0220/0220	Survey of Japanese Literature: Ancient		
Critical Languages	0221/0221	Survey of Japanese Literature: Modern		
<i>Select any two courses that focus exclusively on Japan</i>			6	
Total credits required for this program			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
Critical Languages	0070	Japanese Elements I	4	LC
Critical Languages	0071	Japanese Elements II	4	LC
Critical Languages	C170	Japanese Intermediate I	3	LC
Critical Languages	0171	Japanese Intermediate II	3	
Critical Languages	0270	Japanese Advanced I	3	
Critical Languages	0271	Japanese Advanced II	3	
Total credits required for this program			20	

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
Critical Languages	0066	Chinese Elements I	4	
Critical Languages	0067	Chinese Elements II	4	LC
Critical Languages	C166	Chinese Intermediate I	3	LC
Critical Languages	0167	Chinese Intermediate II	3	
Critical Languages	0266	Chinese Advanced I	3	
Critical Languages	0267	Chinese Advanced II	3	
Total credits required for this program			20	

Economics

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Contact: William Holmes, Faculty Advisor
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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 0288.

B.A. Major Requirements

Department	Course #	Course Name	Hours	RCI
Economics	C051/H091	Macroeconomic Principles/Honors Macroeconomic Principles	3	IN
Economics	C052/H092	Microeconomic Principles/Honors Microeconomics Principles	3	IN
Statistics	C021	Statistical Methods and Concepts	3	QB
Statistics	0022	Selected Statistical Topics	3	
Economics	0201	Intermediate Microeconomic Analysis	3	
Economics	0202	Intermediate Macroeconomic Analysis	3	
Economics	W302	Economics Writing Seminar	3	WI
Economics	0200+	Four electives in economics at the 0200 level or above. Finance 0101 may be substituted for one of these.	12	
Two additional electives	0100+	Courses in economics at the 0200+ level or courses in the College of Liberal Arts at the 100+ level related to the student's program in economics.*	6	
Total			39	
* 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 0240 (Mathematical Economics), Economics 0241 (Introduction to Econometrics), and courses in calculus and linear algebra in the Mathematics Department.				

Minor Requirements

(For Liberal Arts and all other colleges allowing a minor in Economics)

Department	Course #	Course Name	Hours	RCI
Economics	C051/H091	Macroeconomic Principles/Honors Macroeconomic Principles	3	IN
Economics	C052/H092	Microeconomic Principles/Honors Microeconomic Principles	3	IN
Economics	0201	Intermediate Microeconomic Analysis	3	
		or		
	0202	Intermediate Macroeconomic Analysis		
Economics	0200+	Three electives in economics at the 0200 level or above. If both 0201 and 0202 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
Economics	C050	Introduction to the Economy	3	IN
	C052/H092	<i>or</i> Microeconomic Principles/Honors Micro. Principles		
Accounting	0001	Principles of Accounting*	3	
Human Resource Management	0083	Organization and Management	3	
Psychology	0215	Industrial and Organizational Psychology	3	
Marketing	0081	<i>or</i> Introduction to Marketing		
Statistics		One course selected in consultation with the certificate advisor.	3	
Approved Elective - Select one:			3-4	
Accounting	0002	Principles of Accounting**		
Economics	C051	Macroeconomic Principles		IN
Economics	0282	Economics of American Industry		
Economics	0265	Economics of Sports		
Economics	0286	Economics of Organizations		
Marketing	0081	Introduction to Marketing		
Human Resource Management	0200	Introduction to Human Resource Management		
Computer and Information Sciences	C055	Computers and Applications		SB
Geography and Urban Studies	0130	Economic Geography		
Political Science	0158	Business and Public Policy		
Political Science	0261	Politics of the Global Economy		
Psychology	0215	Industrial and Organizational Psychology		
Sociology	W248	Sociology of Organizations		WI
Total			18-19	
* Students may not double count either Marketing 0081 or Psychology 0215 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, able to analyze problems, to do careful and inventive research, to argue and to 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 forty 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	W100	Introduction to English Studies	3	WI
English	0114	Survey of English Literature: Beginnings to 1660	3	
English	0115	Survey of English Literature: 1660-1900	3	
English	0116	Survey of American Literature I	3	
English	0117	Survey of American Literature II	3	
English	100+ level courses	Three English Electives	9	
English	200+ level courses	Three English Electives	9	
English	W300 level courses	One Senior Capstone Course	3	WI*
Total			36	
*Indicates writing capstone for the major				

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
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<i>Select two Literature Surveys from:</i>			6	
English	0114	Survey of English Literature: Beginnings to 1660		
English	0115	Survey of English Literature: 1660-1900		
English	0116	Survey of American Literature I		
English	0117	Survey of American Literature II		
<i>Select four Electives in English, no more than two of which are in writing (creative, technical, or business):</i>				
English		100 and 200 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	W101	Developing Prose Style		WI
English	W102	Technical Writing		WI
English	W103	Writing the Research Essay		WI
English	W104	Writing for Business and Industry		WI
English	0200	Career Internship		
English	0201	Advanced Composition		
Creative Writing			3-9	
English	W107	Creative Writing: Poetry		WI
English	W108	Creative Writing: Fiction		WI
English	0109	Creative Writing: Plays		
English	W202	Advanced Creative Writing: Fiction		WI
English	W203	Advanced Creative Writing: Poetry		WI
English	0204	Advanced Creative Writing: Plays		
English	0205	Writers at Work		
Writing Theory			3-9	
English	W105	Literacy and Society		WI
English	W106	Texts/Cultures of Science		WI
English	W112	Technologies of Writing		WI
English	0212	Linguistics and Grammar		
English	0213	History of the English Language		
English	0214	Semantics		
English	0284	Theories of Discourse		
English	W310	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.

Offered jointly by the College of Liberal Arts and College of Science and Technology, Environmental Studies includes both B.A. and B.S. options. A minor also is offered.

The program and its requirements are described in full in [Intercollegial Programs](#).

French

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Requirements for the Major

- Prerequisites: French 0051, 0052, 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 C061 may begin with French 0062 or at the 100 level, as appropriate.
- Students who place out of C061 will need one additional elective; those who place out of 0062 will need two additional electives.

Department	Course #	Course Name	Hours	RCI
French	C061	Intro to French III	3	LB
French	0062	Intermediate	3	
French	0223	French Literary History to 1750	3	
French	0224	French Literary History Post 1750	3	
French	W232	Diction and Style	3	WI
French	300-level	<i>Select three Literature courses</i>	9	
<i>Select two or more electives numbered 100 or above.*</i>			6	
Total			30	
*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.				

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 0051 with a minimum grade of C or equivalent placement.

Department	Course #	Course Name	Hours	RCI
French	0052	Introduction to French II	4	LA
French	C061	Introduction to French III	3	LB
French	0062	Intermediate	3	
<i>Select a minimum of two courses from:</i>			6	
French	0121	Conversation I		
French	W122	Focus on Composition		WI

French	0123	Concentrated Reading		
French	0125	French for Business and Tourism		
Select a minimum of one course from:			3	
French	0220	Culture and Civilization		WI
French	0223	French Literary History to 1750		
French	0224	French Literary History Post 1750		
French	W232	Diction and Style Advanced		
French	0250	Grammar		
Total			19	

Requirements for the Special Foreign Language Certificate in French

Six courses (20 semester hours) beginning with French 0051, including French 0125 (French for Business). French 0121 (Conversation) or French 0220 (Culture and Civilization) or an upper-level course is also required.

Department	Course #	Course Name	Hours	RCI
French	0051	Introduction to French I	4	LA
French	0052	Introduction to French II	4	LA
French	C061	Introduction to French III	3	LB
French	0062	Intermediate	3	
French	0125	French for Business and Tourism	3	
Select one course from:			3	
French	0121	Conversation I		
French	0220	Culture and Civilization or another 100/200 level Elective		
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 and Urban Studies

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The Department of Geography and Urban Studies offers a major in which students gain an understanding of this combined field by taking several basic required courses, supplemented by upper-level electives.

Within these guidelines, it is possible for students to choose courses that focus chiefly on geographical studies, including the major distributions of physical and natural phenomena across the globe, the relationship of environment and society, and the concepts underlying spatial analysis and industrial location; or they may choose a program that emphasizes urban studies, exploring 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. Curricular choices often overlap both fields and also take advantage of offerings in cartography and geographic information systems (GIS). Each student's

program is developed with the departmental advisor to suit individual interests and is designed to facilitate career opportunities or further education.

Requirements for the Major

Department	Course #	Course Name	Hours	RCI
<i>Select one of the following courses:</i>			3	
GUS	C050	Environment & Society		IN
GUS	C062	<i>or</i> Geography of World Affairs		IS
<i>Select one of the following courses:</i>			3	
GUS	R055	Urban Society: Race, Class and Community		IN/RS
GUS	C060	<i>or</i> World Urban Patterns		IS
<i>Select one statistics course:</i>			3-4	QB
Sociology	0201	Statistical Methods in Sociology		
Math	C067	<i>or</i> Elements of Statistics		
Psychology	C067	<i>or</i> Foundations in Statistical Methods		
Sociology	C067	<i>or</i> Social Statistics		
		<i>or</i> Another appropriate statistics course with written approval of the faculty advisor		
<i>Select two of the following five intermediate courses:</i>			6	
GUS	0130	Economic Geography		
GUS	W131	Urban Systems in a Global Society		
GUS	0150	The Urban Environment		
GUS	W156	Environment & Development		
GUS	0175	Urban Geography		
GUS	W282	Research Methods in GUS	3	WI
GUS	W300	Sr. Seminar/Capstone	3	WI
GUS	Electives	<i>Select five electives, at least four of the courses must be 100+ level.</i>	15	
TOTAL			36-37	

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 3.00 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	C050	Environment & Society		IN
GUS	C062	<i>or</i> Geography of World Affairs		IS
GUS	R055	<i>or</i> Urban Society: Race, Class &		IN/RS

GUS	C060	Community <i>or</i> World Urban Patterns		IS
GUS	Electives	<i>Select five electives, at least four of the courses must be 100+ level.*</i>	15	
*One cognate course can substitute for an elective with written permission from the faculty advisor.				
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

Membership in the National Honorary Society in Geography is available to majors selected on the basis of GPA. Initiations are held each year, and student members can submit articles to the GTU journal and apply for national scholarships.

Internships

Students are encouraged 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 course also includes class meetings at which assigned articles and each student's work experience are discussed in a seminar format. See the Undergraduate Chair for more details and for information on possible internship sites.

Double major with the College of Education

It is now possible to become certified as a secondary school social studies teacher by combining a major in Geography and Urban Studies with a major in Social Studies Education. It is also possible to gain certification through a GUS 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 and Tourism

Students may take a series of courses that examine the rapidly-growing fields of tourism and recreation from an urban/geographical perspective. Two certificates are available; please see the School of Tourism and Hospitality Management section for more information on these program requirements.

Certificate of Specialization in the Geography of Tourism

The courses in this certificate program examine all the world's culture regions and the linkages among them. Courses can be selected based on a student's interest in 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. Some students might also want to study geographical information systems (GIS) to assess the character of specific tourist destinations.

Certificate in the Geography of Sports, Recreation and 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

Department	Course #	Course Name	Hours	RCI
German	C061	Introduction to German III	3	LB
German	0062	Intermediate German	3	
German	W231	Composition and Conversation	3	WI*
German	0232	Culture and Civilization	3	
German	Electives	<i>Select six: 100, 200, and 300 level courses</i>	18	
Total			30	

* Indicates writing capstone for the major

Note: Students who place out of C061 will need one additional elective; those who place out of 0062 will need two additional electives. 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 faculty 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 0051 or equivalent placement with a minimum grade of C.

Department	Course #	Course Name	Hours	RCI
German	0052	Introduction to German II	4	LA
German	C061	Introduction to German III	3	LB
German	0062	Intermediate German	3	
German	W231	Composition and Conversation	3	WI
German	0232	Culture and Civilization	3	
German	Electives	<i>Select two from 100, 200, and 300 level courses</i>	6	
Total			22	

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	0051	Beginning German I	4	LA
German	0052	Beginning German II	4	LA
German	C061	Intermediate German I	3	LB
German	0062	Intermediate German II	3	
German	0120	German for Business and Travel	3	
<i>Select one course from:</i>			3	
German	W231	Composition and Conversation		WI*
German	0232	Culture and Civilization		
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.

Greek and Roman 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.

Classics offers a sound liberal arts background: Classics majors have held senior positions in government, law, and public service organizations, have founded and headed profit and non-profit 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.

The organization for majors and minors is Zeta Beta Chapter of Eta Sigma Phi, the National Honorary Society for Classics.

Requirements for the Major

Department	Course #	Course Name	Hours	RCI
Greek/Latin	0051	Elements I	4	
Greek/Latin	0052	Elements II	4	LA
Greek/Latin	C061	Intermediate I	3	LB
Greek/Latin	0062	Intermediate II	3	
Greek/Latin	0102	Readings in Latin Literature II	3	
Greek/Latin	Electives	<i>Select two courses in Greek and/or Latin languages. If exempt from beginning Greek and/or Latin courses through placement, substitute additional electives until a total of seven language courses are completed.</i>	6-8	
One Writing Capstone:			3	
Greek/Latin	W101	Readings in Greek/Latin Literature I*		WI
<i>Select one from:</i>			3	
GRC	0251/W251	Classical Greek and Roman Mythology		/WI
GRC	0252/W252	<i>or</i> Comparative Mythology		/WI
<i>Select two:</i>			6	
GRC	C071-0399	Electives**		
Total			35-37	
*Capstone Course in Major; select Greek or Latin.				
**May include advanced courses in Greek and/or Latin. Or, may include related courses in other departments, per departmental approval.				

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.

Requirements for the Minor

Department	Course #	Course Name	Hours	RCI
Greek/Latin	0051-0062	Intermediate II or proficiency	0-14	
GRC	0251/W251	Classical Greek and Roman Mythology	3	/WI
GRC	0252/W252	Comparative Mythology		
GRC	Electives	Four additional courses (see note below)	12	
Total			15-29	

Note: Minimum of two of these courses must be above the 0100 level. Courses must fall under the following categories: a. Advanced courses in Greek 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.

Required Courses for the Ancient Mediterranean Studies Minor

Department	Course #	Course Name	Hours	RCI
Greek/Latin	0051-0052	Elements II or proficiency	0-8	
<i>Select one of the following:</i>			3	
GRC	0251/W251	Classical G&R Mythology		/WI
	0252/W252	Comparative Mythology		/WI
	0253	Hebrew, Myth and Legend		
	W254	Classical Epic		WI
<i>Select two courses:</i>			6	
GRC	0263/W263	The Ancient City*		/WI
	0264/W264			
	0265/W265			
	0266/W266			
	0267/W267			
GRC	Elective	One additional course at or above 0100^	3	
Total			12-20	
Study Abroad				

*Cycle of five cities offered: Jerusalem, Augustan Rome, Byzantium, Periclean, Hellenistic Alexandria.

^Courses can be from this department or from another department such as: Anthropology, Art History, Religion, History, or Philosophy, as approved by GRC Classics department advisors.

GRC Majors and Minors are encouraged to study a semester at Temple's Rome Campus.

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, and minors as well as 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 courses numbered below 100 are beginning courses. Courses numbered between 0100 and 0199 are intermediate courses, and courses numbered above 200 are advanced courses. There are no prerequisites for any history course.

- The major in history requires thirty-six (36) credit hours, of which at least twenty-four (24) must be at the 100 level or more, including at least twelve (12) credits at the 200 and 300 levels.
- Courses are divided into three categories: a) Comparative, Global, and Third World; b) European; and c) United States. Students must take a minimum of two (2) courses whose predominant content is Third World, two (2) in US, and two (2) in European. In each area, one course must be 100 level or above.
- 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 at least one writing seminar in their senior year: History W386, Writing Seminar in American History; W387, Writing Seminar in European History; W388, Writing Seminar in Third World History; or History W397, Writing Seminar in the Contemporary Theory and Practice of History. This course counts as one of the four required above 200.

Requirements for the Major

Minimum of 12 courses in History, distributed as follows				
Department	Course #	Course Name	Hours	RCI
<i>Select up to four courses at the Lower Level</i>			0-12	
History	0001-0099	Introductory Level		
<i>Select a minimum of four courses at the 100 level</i>			12+	
History	0100-0199	Intermediate History Courses		
<i>Select a minimum of three history elective courses at the 200 level</i>			9+	
History	0200-0399	Advanced History Courses		
<i>Select one Capstone Writing Seminar:</i>			3	
History	W386	Writing Seminar in American History		WI*
		<i>or</i>		
History	W387	Writing Seminar in European History		WI*
		<i>or</i>		

History	W388	Writing Seminar in Comparative, Global, Third World History		WI*
		<i>or</i>		
History	W397	Writing Seminar in Contemporary Theory and Practice of History		WI*
Total			36	

* Indicates writing capstone for major

Distinction in Major

Students must successfully complete a sequence of History W380, Historiography and Research Methods (offered in Spring 2005) and the History Honors Capstone (also to be offered in Spring 2005). 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 100-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 GPAs to the History Honors Committee or to any member of the History faculty. For more information, contact Professor Kathleen Biddick, Director, History Honors Program, kbiddick@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 100 or above and at least two courses (2) must be numbered 200 or above.

Department	Course #	Course Name	Hours	RCI
<i>Select up to two from the following:</i>			6	
History	C060	Third World History		IS
History	C061	World History—Ancient		IS
History	C062	World History—Modern		IS
History	C063	War and Society		IS
History	C065	Gender and History		IS
History	C066	Modern Europe		IS
History	C067	U.S. History to 1877		AC
History	C068	U.S. History Since 1877		AC
<i>Select at least two 100 level courses.</i>			6	
History	0100-0199	Intermediate History Courses		
<i>Select at least two 200 level courses.</i>			6	
History	0200-0399	Advanced History Courses		
TOTAL			18	

Italian

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Requirements for the Major

- Students who place out of Italian C061 will need one additional elective; those who place out of Italian 0062 will need two additional electives.

Department	Course #	Course Name	Hours	RCI
Italian	C061	Italian Language III	3	LB
Italian	0062	Intermediate Italian	3	
Italian	W250	Composition II: Advanced Writing Skills	3	WI*
Italian	Electives	<i>Select seven courses numbered 100+</i>	21	
Total			30	
*Indicates writing capstone for the major				

Requirements for the Minor

- Students who place out of Italian 0052 will need one additional elective; students who place out of C061 will need two additional electives; students who place out of 0062 will need three additional electives.

Department	Course #	Course Name	Hours	RCI
Italian	0052	Italian Language II	4	LA
Italian	C061	Italian Language III	3	LB
Italian	0062	Intermediate Italian	3	
Italian	Electives	<i>Select three courses numbered 100+</i>	9	
Total			19	

Requirements for the Special Foreign Language Certificate in Italian

Six courses (20 semester hours), beginning with Italian 0051 and including Italian 0127—Italian for Business and Travel

Department	Course #	Course Name	Hours	RCI
Italian	0051	Italian Language I	4	LA
Italian	0052	Italian Language II	4	LA
Italian	C061	Italian Language III	3	LB
Italian	0062	Intermediate Italian	3	
Italian	0127	Italian for Business	3	
Italian	Elective	<i>Select one course numbered 100+</i>	3	
Total			20	

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 two thousand 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 secular Jewish Studies, a five course mini-minor.

Requirements for the Major

Department	Course #	Course Name	Hours	RCI
Language Requirement				
Hebrew	0062	Intermediate II <i>or</i> Equivalent approved by a faculty advisor	3	
Jewish Studies	0110-0122	Select one introductory course from JS 0110-0122	3	
Religion*	Electives	Two relevant courses	6	
History*	Electives	Two relevant courses	6	
Hebrew*	Electives	Two courses in language or literature	6	
Jewish Studies	Electives	Four electives numbered 100+	12	
Jewish Studies	W342	Independent Jewish Studies	3	WI
Total			39	
*Students should select courses in these Departments that are related to Jewish language, religion and culture.				

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 (W342: 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	C061	Intermediate I <i>or</i> Equivalent approved by a faculty advisor	3	LB
Jewish Studies	0110-0122	One introductory course from JS 0110-0122	3	
Religion*	Elective	One relevant course	3	
History*	Elective	One relevant course	3	
Hebrew*	Elective	One course in language or literature	3	
Jewish Studies	Electives	Three upper-level electives	9	
Total			24	
*Students should select courses in these Departments that are related to Jewish language, religion and culture.				

Requirements for the Secular Jewish Studies Certificate

Department	Course #	Course Name	Hours	RCI
Jewish Studies	0180	Jewish Secularism/Jewish Civilization I <i>or</i>	3	
Jewish Studies	0181	Jewish Secularism/Jewish Civilization II		

Select four of the following electives:			12	
Jewish Studies	0005	The Image of the Jew in the Motion Picture		WI
Jewish Studies	W122	Modern Jewish History		
Jewish Studies	0141	Mideast Literature in Translation		
Jewish Studies	0211	The Philosophies of Judaism		
Jewish Studies	0223	Jewish Experience in America		RS WI
Jewish Studies	R234	Antisemitism/Holocaust/Racism		
Jewish Studies	W255	Jews, Judaism and the Modern World		
Jewish Studies	0299	Jewish Studies Internship /Practicum		
Jewish Studies	0333	Women in Judaism		WI
Jewish Studies	W342	Independent Study in Jewish Studies		
Total			15	

Latin American Studies

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The Latin American Studies Center offers three academic programs for undergraduates: the Latin American Studies Major, the Latin American Studies Minor, and the Latin American Studies Semester (LASS).

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

Department	Course #	Course Name	Hours	RCI
Introduction to Latin American Studies - Select one:			3-6	
LAS	C050	Perspectives on Latin America <i>or</i> The Latin American Studies Semester Program (LASS)		IS
LAS	Electives	<i>Select nine courses, excluding LAS C050 and W315.</i>	27	
Spanish-American Literature Courses - Select one:			3	
Spanish	0230	Spanish-American Culture & Civilization <i>or</i> any 0300 level		
	0240	Spanish-American literature course taught in Spanish <i>or</i> Introduction to Spanish-American Literature		
LAS	W315	Latin American Studies Seminar	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	C050	Perspectives on Latin America <i>or</i> Latin American Studies Semester Program (LASS)		IS
LAS	Electives	Select four or five courses depending on number of credits of chosen introductory course.	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 <i>or</i> LASS <i>or</i> Proficiency examination	0100+	Latin American Studies Semester	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) is a 15-credit total immersion, interdisciplinary program designed to teach students to speak Spanish or to increase greatly their Spanish language fluency in one semester. The course meets daily from 9:00 a.m. to 3:00 p.m., and includes, in addition to Spanish language skill acquisition, the study of Latin America through social science, literature, and film. The highlight of the course is a trip to Mexico during the Spring Break. LASS is offered each spring semester.

Lesbian, Gay, Bisexual and Transgender (LGBT) Minor

Patricia Melzer, Advising Coordinator
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215-204-6953
pmelzer@temple.edu

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
LGBT	0237	Gay and Lesbian Lives	3	
LGBT	0299	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	R152	Politics of Diversity	3	WR
Women's Studies (cross-listed as English W275)	W363	Feminist Theory	3	WI
Sociology (cross-listed as Women's Studies 0235)	0246	Sexuality and Gender	3	
Sociology (cross-listed as Women's Studies 0246)	0228	Men and Masculinity	3	
History (cross-listed as Women's Studies 0172)	0172	Sexuality and Gender in American History	3	
Anthropology	0255	Gender in Cross-Cultural Perspectives	3	
Total			18	

Intercollegial B.A. Degree in Mathematical Economics

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Ritter Annex 623

215-204-8169

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Boris A. Datskovsky, Advisor, Department of Mathematics

Wachman Hall 632

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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*.

Organizational Studies

This program was dropped from the College of Liberal Arts curriculum, and students may no longer declare this major.

All Organizational Studies majors have received graduation reviews outlining remaining requirements and have signed a "Student Agreement of Understanding" with the College of Liberal Arts Academic Advising Center. If you have questions regarding your remaining coursework, please contact Ms. Danielle Reinhart, Acting Director of Academic Advising for the College of Liberal Arts, at claac@temple.edu or 215-204-8115

Philosophy

Paul Taylor, Chair

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Paul Crowe, Undergraduate Advisor

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www.temple.edu/philosophy

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	C066	Introduction to Logic	3	QB
Philosophy	0161	History of Philosophy – Greek	3	
Philosophy	0172	History of Philosophy – Modern	3	
<i>Select one Introductory Philosophy course:</i>			3	
Philosophy	0100	Introduction to Philosophy		
Philosophy	H191	<i>or</i> Honors Introduction to Philosophy		
<i>Select one Ethics course:</i>			3	
Philosophy	0222	Contemporary Ethical Theory		
Philosophy	0226	<i>or</i> Classics in Moral Philosophy ¹		
<i>Select one Senior Seminar:</i>			3	
Philosophy	0298	Senior Seminar		
Philosophy	0294	<i>or</i> Pre-Med Tutorial		
Philosophy	0293	<i>or</i> Pre-Law Tutorial		
<i>Six additional Philosophy courses at the 100+ level</i>			18	
Total			36	
¹ For scheduling reasons, especially for transfer students, another ethics-related course is often substituted.				

Suggestions for the Philosophy Major with a Pre-Law Emphasis

Department	Course #	Course Name	Hours	RCI
Philosophy	C050	Philosophical Challenges to the Individual	3	IN
Philosophy	0055	Critical Thinking	3	
Philosophy	0161	History of Philosophy – Greek	3	
Philosophy	0172	History of Philosophy – Modern	3	
Philosophy	0243	Philosophy of Law	3	
Philosophy	0293	Pre-Law Tutorial	3	
Philosophy	0198	Pre-Law Internship	3	
Philosophy	0100+	5 additional philosophy courses at the 100+ level	15	
Total			36	

Distinction in Major

Successful completion of Philosophy 0299, Honors Thesis.

Requirements for the Minor

Department	Course #	Course Name	Hours	RCI
<i>Select one Introductory Philosophy course:</i>			3	
Philosophy	0100	Introduction to Philosophy		
Philosophy	H191	Honors Introduction to Philosophy		
Philosophy	C050	Philosophical Challenges to the Individual		IN

Select one from the following list:			3	
Philosophy	C066	Introduction to Logic		QB
Philosophy	0055	Critical Thinking		
Select one History of Philosophy course:			3	
Philosophy	0161	History of Philosophy – Greek		
Philosophy	0172	History of Philosophy – Modern		
Select one Ethics course:			3	
Philosophy	0222	Contemporary Ethical Theory		
Philosophy	0226	Classics in Moral Philosophy ¹		
Three additional Philosophy courses:				
Philosophy	0100+	Three electives numbered at the 100 level or higher	9	
Total			21	

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	C051	The American Political System (Honor Students take H091)	3	AC
Political Science	C052	Foreign Government and Politics (Honor Students take H092)	3	IS
Political Science	C053	International Politics (Honor Students take H093)	3	IS
Political Science	W101	Introduction to Political Philosophy	3	WI
Political Science	W340	Capstone in Political Science	3	WI
Political Science	Electives	Select 6 courses in the 100 level or higher	18	
Total			33	

Note: Courses should be sequenced so that students take the introductory courses before the upper-level courses. PS C051 is an introduction to U.S. politics and should be taken before upper-level courses in this area. Similarly, PS C052 introduces foreign governments and precedes upper-level courses in this field. PS C053 introduces International politics and is a prerequisite for upper-level courses in this subject matter. PS W101* introduces Political Theory and should be taken after a student has had several political science courses and should precede upper-level theory courses. PS W340* is the Capstone course for the major and should be taken in the senior year after the completion of PS C051, C052, C053, W101 and four Political Science courses numbered 100 or higher. Not all courses are offered every semester. Please check the *Schedule of Classes* for actual course offerings each semester.

Requirements for the Minor

Department	Course #	Course Name	Hours	RCI
Introduction - select two			6	
Political Science	C051	The American Political System (Honor Students take H091)		AC
Political Science	C052	Foreign Government and Politics (Honor Students take H092)		IS
Political Science	C053	International Politics (Honor Students take H093)		IS
Political Science	W101	Introduction to Political Philosophy		WI
Political Science	Electives	Select four courses numbered 102 or above	12	
Total			18	

Special Programs

The **Political Science Honors Program**: The honors program is open to majors who exhibit particular promise in the field. The program enables majors to develop the analytic and research skills necessary for graduate or professional school and for careers in political research. Students entering the junior or senior year who have at least a 3.4 GPA overall and a 3.5 GPA in political science may apply for admission. Completion of the program involves achieving grades of B or better in two honors seminars and enables the student to graduate with "Distinction in the Major."

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).

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. Karen Owens, Coop and Internship Coordinator, for more information (Gladfelter Hall, Room 457; phone: 215-204-6795; e-mail: KarenMOwens@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 website, 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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Elective Psychology Courses numbered 100-199 and above

Each term the Psychology Department will offer a few courses which 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 C060. Psychology majors taking these courses will receive elective CLA credit which will contribute to the CLA upper level course requirement.

Psychology 0396-0397 Research Problems

One or two terms of Psychology 0396-0397 maybe 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 is an important course to have on your record when making application to graduate school. The maximum credit permissible for 0396-0397 is 8 s.h.; a maximum of 4 credits each in 0396 and 0397.

Psychology 0398-0399 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 Dr. Margo Storm for information about our internships, 215-204-3409 or mstorm@temple.edu.

Requirements for the Major

41 Credit Hours in Psychology

Introductory Courses Required:

Department	Course #	Course Name	Hours	RCI
Psychology	C060	Psychology as a Social Science	3	IN
Psychology	0070	Psychology as a Natural Science	3	
Psychology	C067	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	C071	Human Biology		
		or		
Biology	C083	General Biology I		
		or		
Chemistry	C071/C073	General Chemistry I and Lab		
		or		
Physics	C085	Introduction to General Physics I		
Subtotal			3-4	

Methods Courses Required:

Department	Course #	Course Name	Hours	RCI
Psychology	0122	Inferential Methods in Psychology	3	
		(Prerequisite: Psychology C067 or equivalent)		
Psychology	W123	Scientific Thinking in Psychology	4	WI
		(Prerequisite: Psychology C060, 0070, C067)		
Subtotal			7	

Foundation Courses (200 Level):

Three courses required – at least one each from the BBC Area (0230, 0240, 0250, 0260, 0265, 0280) and one from the DCS Area (0200, 0210, 0215, 0220). The third foundation course can be in either area. Foundation courses are prerequisites for the advanced (300-level) areas.

Department	Course #	Course Name	Hours	RCI
<i>Select one course from the DCS area (Prerequisite: Psychology C060):</i>			3	
Psychology	0200	Introduction to Developmental Psychology		
Psychology	0210	Foundations of Social Psychology		
Psychology	0215	Foundations of Industrial and Organizational Psychology		
Psychology	0220	Foundations of Psychopathology		
<i>Select one course from the BBC area (Prerequisite: Psychology 0070):</i>			3	
Psychology	0230	Foundations of Cognitive Psychology		
Psychology	0240	Foundations of Evolutionary and Comparative Psychology		
Psychology	0250	Foundations of Learning and Behavior Analysis		
Psychology	0260	Foundations of Behavioral Neuroscience		
Psychology	0265	Foundations of Cognitive Neuroscience		
Psychology	0280	Foundations of Sensation and Perception		
<i>Select one course from either the DCS or BBC area</i>			3	
Subtotal			9	

Advanced Courses (300 Level):

Choose three from any of the advanced courses (0300-0390) for which you have completed the prerequisite foundation course. These courses cover specialty areas within particular fields of psychology.

Developmental:

DSC Area - Social Science Fields:

Department	Course #	Course Name	Hours	RCI
Psychology	0301	Phases of Development: Infancy (Prerequisite: Psychology 0200)		
Psychology	0304	Personality, Social and Emotional Development (Prerequisite: Psychology 0200)		
Psychology	0305	Cognitive and Language Development (Prerequisite: Psychology 0200)		
Psychology	0306	Neuroscience of Development and Aging (Prerequisite: Psychology 0260 or 0265)		
Psychology	0307	Theories of Development (Prerequisite: Psychology 0200)		

Social and Organizational:

DSC Area - Social Science Fields:

Department	Course #	Course Name	Hours	RCI
Psychology	0311	Social Cognition (Prerequisite: Psychology 0210)		
Psychology	0312	Psychological Studies of Social Issues (Prerequisite: Psychology 0210)		
Psychology	0316	Survey Research (Prerequisites: Psychology 0122 and Psychology 0215)		
Psychology	0317	Personnel Psychology (Prerequisite: Psychology 0215)		
Psychology	0318	Human Performance Improvement (Prerequisite: Psychology 0215)		
Psychology	0319	Computer Applications in Psychology (Prerequisites: Psychology 0067 or equivalent and Psychology 0215)		

Clinical:

DSC Area - Social Science Fields:

Department	Course #	Course Name	Hours	RCI
Psychology	0321	Clinical Psychology: Research and Practice (Prerequisite: Psychology 0220)		
Psychology	0322	Psychoanalytic Theory (Prerequisite: Psychology 0220)		
Psychology	0323	Child Psychopathology and Treatment (Prerequisite: Psychology 0220)		

Cognitive:

BBC Area - Natural Science Fields:

Department	Course #	Course Name	Hours	RCI
Psychology	0331	Problem Solving and Creative Thinking		
		(Prerequisite: Psychology 0230)		
Psychology	0332	Human Memory		
		(Prerequisite: Psychology 0230)		

Evolutionary/Comparative:

BBC Area - Natural Science Fields:

Department	Course #	Course Name	Hours	RCI
Psychology	0341	Neurobiology and Evolution of Social Behavior		
		(Prerequisite: Psychology: 0240 or 0260 or 0265)		

Learning and Behavior Analysis:

BBC Area - Natural Science Fields:

Department	Course #	Course Name	Hours	RCI
Psychology	0351	Direct Applications of Behavioral Principles		
		(Prerequisite: Psychology 0250)		
Psychology	0352	Experimental Psychopathology		
		(Prerequisite: Psychology 0250)		

Neuropsychology:

BBC Area - Natural Science Fields:

Department	Course #	Course Name	Hours	RCI
Psychology	0361	Psychopharmacology		
		(Prerequisite: Psychology 0260)		
Psychology	0366	Neurobiology of Learning and Memory		
		(Prerequisite: 0265)		

Sensation and Perception:

BBC Area - Natural Science Fields:

Department	Course #	Course Name	Hours	RCI
Psychology	0381	Research Methods in Perception		
		(Prerequisite: Psychology 0280)		
Psychology	0382	Visual Recognition		
		(Prerequisite: Psychology 0280)		

Subtotal of Advanced Courses	9	
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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 300 level course required:

(Seniors only - minimum of 90 credits completed and completion of both Method Level Courses)

Department	Course #	Course Name	Hours	RCI
Psychology	W371	Capstone: History of Psychology		WI
Psychology	W372	Capstone: Fields of Psychology		WI
Psychology	W373	Capstone: Special Topics		WI
Psychology	W374	Capstone: Research		WI
Psychology	W375	Capstone: Honors		WI
Subtotal			4	

Major Total	41-42	
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Individual Study Courses:

(Permission of the instructor required.)

Department	Course #	Course Name	Hours	RCI
Psychology	0391	Research Problems Honors		
Psychology	0392	Research Problems Honors		
Psychology	0393	Research Problems Honors		
Psychology	0394-0395	Independent Study In Neuroscience		
		(Prerequisite: Psychology C067, Psychology 0122)		
Psychology	0396-0397	Research Problems		
		(Prerequisite: Psychology 0070, Psychology 0122, Psychology W123)		
Psychology	0398-0399	Practicum I - II		
		(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 0391-0394 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. L. Kidder, e-mail: kidderl@temple.edu.

Department	Course #	Course Name	Hours	RCI
Psychology	0391 – 0393 W395	Honors Program	1-4	WI

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	C060	Psychology as a Social Science	3	IN
Psychology	0070	Psychology as a Natural Science	3	
Psychology	C067	Foundation in Statistical Methods	3	QB
Psychology	0122	Inferential Methods in Psychology	3	
Psychology	W123	Scientific Thinking in Psychology	4	WI
Subtotal			16	
Department	Course #	Course Name	Hours	RCI
Foundation Courses – Select one:				
Psychology	0200	Developmental Psychology		
Psychology	0210	Foundations of Social Psychology		
Psychology	0215	Foundations of Industrial and Organizational Psychology		
Psychology	0220	Foundations of Psychopathology		
Psychology	0230	Foundations of Cognitive Psychology		
Psychology	0240	Foundations of Evolutionary and Comparative Psychology		
Psychology	0250	Foundations of Learning and Behavior Analysis		
Psychology	0260	Foundations of Behavioral		
Psychology	0265	Foundations of Cognitive Neuroscience		
Psychology	0280	Foundations of Sensation and Perception		
Subtotal			3	
Department	Course #	Course Name	Hours	RCI
Advanced Courses – Select one:				
Psychology	0301	Phases of Development: Infancy		
Psychology	0304	Personality, Social, and Emotional Development		
Psychology	0305	Cognitive and Language Development		
Psychology	0306	Neuroscience of Development and Aging		
Psychology	0307	Theories of Development		
Psychology	0311	Social Cognition		
Psychology	0312	Psychological Studies of Social Issues		
Psychology	0316	Survey Research		
Psychology	0317	Personnel Psychology		
Psychology	0318	Human Performance Improvement		
Psychology	0319	Computer Applications in Psychology		
Psychology	0321	Clinical Psychology: Research and Practice		
Psychology	0322	Psychoanalytic Theory		
Psychology	0323	Child Psychopathology and Treatment		
Psychology	0341	Neurobiology and Evolution of Social Behavior		
Psychology	0351	Direct Applications of Behavioral Principles		
Psychology	0352	Experimental Psychopathology		
Psychology	0361	Psychopharmacology		

Psychology	0366	Neurobiology of Learning and Memory		
Psychology	0381	Research Methods in Perceptions		
Psychology	0382	Visual Recognition		
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 (e.g., Biology, HPERD, Business, Health Professions) 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.

The last decade of the twentieth century is designated as the "Decade of the Brain." Cognitive neuroscience is an emerging interdisciplinary field with a focus on a fundamental mystery of science: how the mind arises from the brain. We believe that undergraduates might find attractive the opportunity to take a group of courses that would qualify for a minor in this intellectually fascinating and rapidly-emerging field. Some of these students may be Psychology majors, whereas others may be majoring in Biology (including pre-med), Anthropology, Philosophy, Communication Sciences, or Computer and Information Science. 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	0265	Foundations of Cognitive Neuroscience	3	
Psychology	0230	Foundations of Cognitive Psychology	3	
Comm Science	0235	Human Neuroscience	4	
<i>Select three cognitive neuroscience elective courses from the following listing:</i>			10-13	
Biology	0352	Neurobiology		
Philosophy	0144/0244	Introduction to the Philosophy of the Mind		
Psychology	0394/0395	Independent Study in Neuroscience		
English	0111	Introduction to Linguistics		
Comm Science	0108	<i>or</i> Introduction to Linguistics		
Psychology	0306	Neuroscience of Development and Aging		
Psychology	0361	Psychopharmacology		
Psychology	0366	Neurobiology of Learning and Memory		
Total			20-23	

Religion

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www.temple.edu/religion

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.

The concentrations within the major differ only in emphasis. Religion and Public Life prepares students for careers in law, public policy, human and social services, medicine, and healthcare. Religions in a Global Context is of special value to those looking toward careers in the international area or involving religious diversity. Both concentrations are also excellent preparation for graduate work in religious studies, law, medicine, the humanities, and the social sciences.

B.A. Requirements Required of All Majors and Minors:

Department	Course #	Course Name	Hours	RCI
<i>Select two of these introductory courses below:</i>			6	
Religion	C050	Introduction to Asian Religions		IS
Religion	C051	Introduction to Western Religion		IS
Religion	C052	Religion in America		AC
Religion	C053	Introduction to World Religions		IS
<i>Additional Requirements of the Major (See concentrations below):</i>				
Religion		Seven more Religion courses, no more than two numbered below 100. (One of the seven courses may be outside Religion Dept., if CLA credit is given for the course.)	21	
Religion	W370*	Capstone Seminar in Religion	3	WI
Total			30	

*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 prerequisite. It will be offered only in Spring Semester, so students should plan accordingly.

All Religion majors must select one of the two options for concentration.

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.

Religion and Public Life

Concentration I: Religion and Public Life: Provides opportunities to explore and examine in depth the various dimensions and issues of public life that stem from religious beliefs, behaviors, and institutional legacies. By investigating the religious dimensions of a range of challenging issues, the student gains an awareness of the dilemmas and prospects religion offers to contemporary society.

Required: Seven of the following courses. No more than two numbered below 0100.

Note:

- Courses numbered 0100-0199 deal with African and Asian religions.
- Courses numbered 0200-0299 deal with Western religions.
- Courses numbered 0300-0399 deal with religion and contemporary issues.

Department	Course #	Course Name	Hours	RCI
Religion	C054	Religion and Society		IN
Religion	C055	Racial Justice: A Religious Mandate for Obedience & Revolt		RS
Religion	C081	Religion and the Arts		AR
Religion	0151	Introduction to African-American Religion		
Religion	0158	African Religions and New World Culture		
Religion	0203	The Islamic State		
Religion	0205	Women in Islam		
Religion	0208	Islam in America		
Religion	0224	What is Judaism?		
Religion	0234	Judaism and Literature		
Religion	0253/W253	What is Christianity?		/WI
Religion	0301	Women in Religion and Society		
Religion	0304	Earth Ethics		
Religion	0306	The Holocaust: Resistance and Response		

Religion	0307	Ethics of Human Institutions		
Religion	0326	Philosophy of Religion		
Religion	0341	Religion and Psychology		
Religion	W343	Death and Dying		WI
Religion	0350	Religion and Human Sexuality East and West		
Religion	0352	Religion and Bioethics		
Religion	0358	Cults and Sects		
Religion	0359	Religion and Science		
Subtotal			24	

Religions in a Global Context

Concentration II: Religions in a Global Context: Provides opportunities to explore and examine in depth a variety of religious traditions. While investigating the philosophies, practices, history, and cultural implications of those traditions, the student gains insight into religion as a cross-cultural dimension of human experience.

Required: Seven of the following courses. No more than two numbered below 0100.

Note:

- Courses numbered 0100-0199 deal with African and Asian religions.
- Courses numbered 0200-0299 deal with Western religions.
- Courses numbered 0300-0399 deal with religion and contemporary issues.

Department	Course #	Course Name	Hours	RCI
Religion	0106/W106	Religions of India		/WI
Religion	0115	Introduction to Zen Buddhism		
Religion	0116	Chinese Religions – Confucius to Mao		
Religion	0117	YI Ching, Taoism and Zen		
Religion	0118	Chinese Buddhism		
Religion	0119	Japanese Religions		
Religion	0120	Japanese Buddhism		
Religion	0122/W122	Introduction to Buddhism		/WI
Religion	0151	Introduction to African American Religion		
Religion	0157	Traditional Religions of Africa		
Religion	0158	African Religions and New World Culture		
Religion	0200/W200	Introduction to Islam		/WI
Religion	0202	Religion in the Ancient Near East		
Religion	0205	Women in Islam		
Religion	0207	Islamic Mysticism		
Religion	0208	Islam in America		
Religion	0224	What is Judaism?		
Religion	W240	Introduction to the Bible		WI
Religion	0241	Introduction to New Testament		
Religion	0245	History of Christianity I		
Religion	0246	History of Christianity II		
Religion	0253/W253	What is Christianity?		/WI
Religion	0256	Jesus in the Gospels		
Religion	0326	Philosophy of Religion		
Religion	0327	Comparative Philosophy of Religion		
Subtotal			24	

Minor Requirements

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		Two of the introductory Religion courses (see major)	6	
Religion		Four Religion courses (no more than one below 100)	12	
Total			18	

Note: While a concentration is not required for the minor, students may choose to concentrate in "Religion and Public Life" by taking Religion C052 and C053 and at least three upper-level Religion courses in that concentration, or in "Religions in the Global Context" by taking Religion C050 and C051 and at least three upper-level Religion courses in that concentration.

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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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. Russia 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 US 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 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.

Students who major, minor or earn the certificate in 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 or minor in Russian do so in combination with another academic program.

The Temple Russian program strongly encourages students to participate in study abroad through accredited programs (see below) and is ready to help students apply for scholarships to help make that possible. 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. The Russian major, minor and certificates are transitioning to new and exciting programs designed to meet students' needs to develop strong language skills for professional opportunities or personal fulfillment.

Students who begin first-year Russian and students who declare a Russian major, minor or certificate prior to the fall of 2006 will be permitted to finish the Russian major in accordance with requirements established before the proposed program is implemented; however, these students may choose, in consultation with the Russian advisor, to follow the new program (as listed below).

Students who begin first-year Russian in fall 2006 or later will be required to complete the new Russian major, minor or certificate program. Students who do not take first-year Russian at Temple (heritage and transfer students) but who declare a Russian major, minor or certificate between Fall 2006 and Fall 2008 will be bound by this proposed curriculum, but will work with the Russian Section Head and advisors in the Academic Advising Center to arrange for appropriate substitutions as necessary.

Because the Russian major, minor and certificate are in transition, students may not be able to find the exact courses they need in any given semester, but equivalent substitutions are possible in this period of transition. Students must see the faculty advisor for Russian to arrange for such substitutions. The full roster of courses for the new academic programs in Russian will be introduced by 2010.

Students majoring or minoring in Russian, as well as students seeking the certificate in Russian, are *strongly encouraged* to participate in study abroad in Russia. 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 for 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 for Students Declaring the Major in Fall 2006 or later

Prerequisites: Placement into Russian 0225 or 0227. Heritage students of Russian, i.e., students who speak Russian in their homes, are required to take Russian 0227 and should see the faculty advisor for Russian for this placement. Students with no Russian language background take Russian 0051, First-Year Russian I, and continue to take Russian through fourth-semester Russian, Russian 0062. Successful completion of Russian 0062 or the equivalent is the prerequisite for entrance into Russian 0225, a course required for the Russian major.

Department	Course #	Course Name	Hours	RCI
Russian	0055	Russian Culture (taught in English)	3	
Russian	0225*	Third Year Russian I	4	
Russian	0226*	Third Year Russian II	4	
Russian	0231	Fourth Year Russian I	3	WI*
Russian	0232	Fourth Year Russian II	3	
Russian	0295	Independent Study	2	
Russian	Electives	12 credits of upper-level Russian electives selected in consultation with the faculty advisor for Russian.**	12	
Total			31	
*Heritage students of Russian (students with a home background in which Russian is spoken) take Russian 0227, 0228 and a 2-credit independent study (Russian 0296) instead of Russian 0225-0226.				
**Students may substitute History 0146 or 0254 for one of the upper-level culture courses with permission of the faculty advisor, resulting in 30 credits for the major.				
Note: Students beginning Russian 0225 or higher in Fall 2006 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.

Minor in Russian for Students Declaring the Minor in Fall 2006 or Later

Prerequisites: Placement into Russian 0225 or 0227. Heritage students of Russian, i.e., students who speak Russian in their homes, are required to take Russian 0227 and should see the faculty advisor for Russian for this placement. Students with no Russian language background take Russian 0051, First-Year Russian I, and continue to take Russian through fourth-semester Russian, Russian 0062. Successful completion of Russian 0062 or the equivalent is the prerequisite for entrance into Russian 0225, a course required for the Russian minor.

Department	Course #	Course Name	Hours	RCI
Russian	0055	Russian Culture	3	
Russian	0225*	Third Year Russian I	4	
Russian	0226*	Third Year Russian II	4	
Russian	Electives	Two 100 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 0227, 0228 and a 2-credit independent study (Russian 0296) instead of Russian 0225-0226.				
**Students may substitute History 0146 or 0254 for one of the upper-level culture courses with permission of the faculty advisor, resulting in 18 credits for the minor.				
Note: Students beginning Russian 0225 or higher in Fall 2006 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 for Students Declaring the Certificate in Fall

2006 or later

Prerequisites: Placement into Russian 0225 or 0227. Heritage students of Russian, i.e., students who speak Russian in their homes, are required to take Russian 0227 and should see the faculty advisor for Russian for this placement. Students with no Russian language background take Russian 0051, First-Year Russian I, and continue to take Russian through fourth-semester Russian, Russian 0062. Successful completion of Russian 0062 or the equivalent is the prerequisite for entrance into Russian 0225, a course required for the Russian certificate.

Department	Course #	Course Name	Hours	RCI
Russian	0225*	Third Year Russian I	3 (Prior to Fall 2006) or 4 (as of Fall 2006)	
Russian	0226*	Third Year Russian II	3 (Prior to Fall 2006) or 4 (as of Fall 2006)	
Russian	0231	Fourth Year Russian I	3	WI*
Russian	0232	Fourth Year Russian II	3	
Total			14	
*Heritage students of Russian (students with a home background in which Russian is spoken) take Russian 0227, 0228 and a 2-credit independent study (Russian 0296) instead of Russian 0225-0226.				

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 course work. 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.

Requirements for the Major

Department	Course #	Course Name	Hours	RCI
Sociology	elective	One course numbered under 200 (except for C067)**	3	
Sociology	C201	Statistical Methods in Sociology***	4	QB
Sociology	0260	Research Design and Method***	4	
Sociology	0241	Development of Sociological Thought	3	
Sociology	elective	One course at any level	3	
Sociology	elective	One course at the 100 level or above	3	
Sociology	electives	Three courses at the 200 level or above	9	
Social Science	electives	Two cognate courses at the 100+ 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	0301	Doing Sociological Fieldwork^	4	
	0302	<i>or</i> Data Analysis^		
Sociology	W380	Sociology in the Real World	3	WI*
Total			42	
*Indicates writing capstone for major				
**Prerequisite for courses numbered 200+				
***Students must take 0201 prior to or concurrently with 0260				
^Students must complete 0201 & 0260 before taking either of the advanced methods courses, 0301 or 0302				

Requirements for the Health Track in Sociology

Department	Course #	Course Name	Hours	RCI
Sociology	elective	One course numbered under 200 (except for C067)**	3	
Sociology	C201	Statistical Methods in Sociology***	4	QB
Sociology	0260	Research Design and Methods***	4	
Sociology	0241	Development of Sociological Thought	3	
Sociology	W380	Sociology in the Real World^	3	WI*
Sociology		One course at any level^^	3	
Sociology		One course at the 100 level or above	3	
Sociology		Three courses at the 200 level or above	9-10	
Elective	Elective	Two health-related courses. See advisor for approved list	6	
<i>Select one Advanced Methods course:</i>			4	
Sociology	0301	Doing Sociological Fieldwork #		
		<i>or</i>		
Sociology	0302	Data Analysis #		
Total			42-43	
*Indicate writing capstone for major				
**Prerequisite for courses numbered 200+				
***Students must take 0201 prior to or concurrently with 0260.				
^Sociology 0380 is a health-related course for students in the Health Track.				
^^Students may use core courses to fulfill this requirement.				
# Students must complete 0201 & 0260 before taking either of the advanced methods courses, 0301 or 0302.				

Distinction in 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 Minor in Sociology

The minor in sociology requires a minimum of six courses, including courses on diversity and health. This program is not open to students majoring in sociology or the Health Track in Sociology.

Department	Course #	Course Name	Hours	RCI
Sociology	elective	One course under the 200 level except for Sociology C067	3	
Sociology		One course at any level	3	
Sociology		One course at the 100 level or above	3	
Sociology		Three courses at the 200 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, including courses on diversity and health. 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 200 level except Sociology C067	3	
Diversity focus - Select one:			3	
Sociology	X059	The Sociology of Race and Racism		XN
Sociology	X064	American Ethnicity		XC
Sociology	C081	Men and Women in American Society		AC
Sociology	0128	Men and Masculinity		
Sociology	R279	Racial and Ethnic Stratification		RS
Sociology	0258	Women and Work		
Sociology	0280	Constructing Race and Ethnicity		
Health-related courses - Select three:			9-10	
Sociology	0152	Health and Disease in American Society		
Sociology	0153	Sociology of Aging		
Sociology	0182	Human Sexuality		
Sociology	W209	Introduction to Population Studies: Demography		WI
Sociology	0246	Sexuality and Gender		
Sociology	W248	Sociology of Organizations		WI
Sociology	0259	Health and Reproduction		
Sociology	0295	Internship in Sociology		
Sociology		One course at 100 level or above	3	
Minor Total			18-19	

Summary of 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.

Requirements for the Certificate in Health Research

Department	Course #	Course Name	Hours	RCI
Sociology	0152	Health and Disease in American Society	3	
Sociology	C201	Statistical Methods*	4	QB
Sociology	0260	Research Design and Methods*	4	
<i>Select one from the following list:</i>			3-4	
Sociology	0301	Doing Sociological Fieldwork*		

Sociology	0302	Data Analysis*		
Sociology	0295	Internship in Sociology*		
Health related courses - Select one:			3	
Sociology	0153	Sociology of Aging		
Sociology	0182	Human Sexuality		
Sociology	W209	Introduction to Population Studies: Demography		WI
Sociology	0246	Sexuality and Gender		
Sociology	W248	Sociology of Organizations		
Sociology	0259	Health and Reproduction		WI
Certificate Total			21	
*Students must take C201 prior to or concurrently with 0260.				
**Students must complete C201 & 0260 before taking either of the advanced methods courses, 0301 or 0302.				
Certificate students may substitute 0295 for the advanced methods courses, but must still have completed				
C201 & 0260 before taking 0295. In order to fulfill the methods requirement, the internship must have a				
health research focus.				

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 Othella Vaughn Award, Robert K. Merton Award, and the Sociology Prize.

Spanish and Portuguese

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The Department of Spanish and Portuguese provides instruction in the Spanish and Portuguese languages as well as the cultures, literatures, and linguistics of these languages.

Coursework in Spanish or Portuguese develops proficiency in the four basic skills: speaking, listening, reading, and writing. The department also provides specialized instruction in Business Spanish, Medical Spanish, Spanish for Legal Services, and Spanish Translation Skills. Opportunities are available for the advanced undergraduate study of the literature and linguistics of Spanish and Portuguese as well as in-depth study of Hispanic and Luso-Brazilian culture through film and art.

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 summer programs in Spain, Mexico, and Brazil.

Temple's new computer language center, also known as the Special Learning Environment for the Foreign Languages, is available to students of all proficiency levels.

Active Spanish and Portuguese student associations thrive in the department. Each spring outstanding students are recognized in the initiation ceremony for Sigma Delta Pi, the National Hispanic Honor Society.

Graduates of the Department of Spanish and Portuguese find careers in a wide range of areas, including education, business, government and social service, and travel and tourism.

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 W215 (the capstone course) is a requirement of all majors and a prerequisite for all 0300 level courses. Spanish W102 (Composition and Conversation), or permission of instructor, is a prerequisite for most 0200 level courses.

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 ten courses is required.

Department	Course #	Course Name	Hours	RCI
Spanish	C061	Prerequisite	3	
Spanish	100 level	A maximum of two electives may be selected	0-6	
Spanish	W102	Composition and Conversation (prerequisite for most 200 level courses)	3	WI
Spanish	W215	Advanced Writing Skills	3	WI*
Spanish	200 level	A maximum of three electives may be selected at the 200 level**	0-9	
Spanish	300 level	A minimum of three electives must be selected at the 300 level.	9	
Total			30	
*Indicates writing capstone for the major.				
**A maximum of seven required and elective courses may be selected at the 100 and 200 levels, depending on proficiency.				
Note: Up to two Portuguese courses may be taken in place of two Spanish 100-200-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	C061	Prerequisite	3	
Spanish	W102	Composition and Conversation (or elective)**	3	WI
Spanish	100 level	A maximum of two elective courses may be selected at this level.	0-6	
Spanish	200-300 level	Three Business/Medical/Legal/Translation courses	9	
Spanish	W215	Advanced Writing Skills	3	WI*
Select one Literature course from:			3	
Spanish	0240	Introduction to Spanish American Literature		
		or		
	0241	Introduction to Spanish Literature		
Select at least two Advanced Spanish courses:			6+	
Spanish	300 level	Minimum of two courses required		
Total			30	
* Indicates writing capstone for the major.				
** The level of required and elective courses may vary according to proficiency.				
Note: Up to two Portuguese courses may be taken in place of two Spanish 100-200-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 School of Education at Temple, and satisfies the requirements for the Spanish major in the College of Liberal Arts. A total of ten courses is required.

Department	Course #	Course Name	Hours	RCI
<i>Two courses in Composition and Conversation:</i>			6	
Spanish	0101	Conversational Review		
Spanish	W102	Comp & Conversation		WI
Spanish	0103	Hispanic Readings		
Spanish	0104	Advanced Grammar and Linguistics Concepts		
Spanish	0076	Intensive Practice in 4 Skills		
Spanish	0176	Intensive Practice in 4 Skills		
Spanish	0209	Advanced Skills-Spanish Speakers		
Spanish	0211	Hispanic Readings II		
<i>One Culture and Civilization course:</i>			3	
Spanish	0213	Contemporary Spain Through Film		
Spanish	0230	Spanish American Culture and Civilization		
Spanish	0231	Hispanic Mind		
Spanish	0235	Spanish Culture and Civilization		
<i>One Linguistics course:</i>			3	
Spanish	0330	Spanish Phonetics		
Spanish	0331	Grammar Structures of Spanish I		
Spanish	0332	Grammar Structures of Spanish II		
Spanish	0333	Spanish Applied Linguistics		
Spanish	0334	History of Spanish Language		
Spanish	0335	Spanish Sociolinguistics		
<i>One Contemporary Literature course:</i>			3	
Spanish	0322	20th Century Puerto Rican Authors		
Spanish	0342	Spanish-American Short Story		
Spanish	0345	Nationalist Literature of Spanish-Americans		
Spanish	0346	Latin American Poetry		
Spanish	0351	Latin American Literature of Social Conflict		
Spanish	0371	Contemporary Spanish Novel		
Spanish	0374	Contemporary Spanish Poetry		
Spanish	0375	Contemporary Spanish Issues		
<i>One additional Literature course:</i>			3	
Spanish	0240	Intro to Spanish American Literature		
Spanish	0241	Intro to Spanish Literature		
Spanish	0300	The Art of Translation		
Spanish	0361	Survey of Spanish Literature II		
Spanish	0365	Cervantes: Don Quixote		
Spanish	0377	Hispanic Literature through Art <i>or</i> one additional contemporary literature course from the above list		
Spanish		Three electives (Spanish C061 may be taken as one of these)	9	
Spanish	W215	Advanced Writing Skills	3	WI*
Total			30	
* Indicates capstone for the major				
Note: In order to complete the ten-course requirement, students must add additional courses at the 200 or 300 levels, depending on proficiency.				
Note: Spanish W102 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	CO61	Intermediate I (or equivalent) prerequisite	0-3	LB
Spanish	100 +	A maximum of three courses at the 100 level	0-9	
Spanish	200 +	A minimum of three courses. All literature and linguistics courses at the 300 level may be used.	0-18	
Spanish	300 level	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	0051	Elements of Portuguese I*	4	LA
Portuguese	0052	Elements of Portuguese II*	4	LA
Portuguese	200/300 level	Select courses from the 200 and 300 level, with a minimum of two 300-level courses	6-12	
Total			18	
* Students may substitute intermediate or advanced level courses for the beginning 0051 and 0052.				

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 (215-204-1706).

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	0051	Basic I	4	LA
Spanish	0052	Basic II	4	LA
Spanish	C061	Intermediate Spanish	3	LB
Spanish	0101	Conversational Review	3	
Spanish	W102	Composition and Conversation	3	WI
Select one course in Spanish for Business Professions:			3	
Spanish	0216	Spanish for Business Professions		
Spanish	0212	Spanish for Health and Human Services		
Spanish	0230	Culture and Civilization of Latinoamerica		
Spanish	0235	Culture and Civilization of Spain		

Spanish	0213	Contemporary Spain through Film		
Total			20	
* Spanish 0076 and 0176 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 15 s.h. 9 credits are assigned to language instruction, 6 credits to culture and society, taught under LAS 0100. All instruction in LASS is in Spanish.				

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	0051	Basic I		LA
Spanish	0052	Basic II		LA
Spanish	C061	Intermediate I		LB
Spanish	0101	Conversational Review		
Spanish	W102	Composition and Conversation		WI
Spanish	0103	Hispanic Readings		
Spanish	0104	Advanced Grammar		
Spanish	0209	Advanced Skills for Spanish Speakers		
Spanish	0211	Hispanic Readings II		
LASS	0076/0176	Intensive Practice/Advanced Intensive Practice in the Four Skills		
		Note: Students participating in LASS 0076 must also complete Spanish 0103.		
<i>Select one course in Spanish for Business Professions:</i>			3	
Spanish	0216	Spanish for Business Professions		
Spanish	0220	Business Spanish I		
Spanish	0221	Business Spanish II		
Spanish	0222	Business Spanish III		
LAS	C050	Perspectives on Latin America <i>or</i> Completion of Latin American Studies Semester	6	IS
<i>Select one course in Business:</i>			3	
IB	0101	Fundamentals of Latin American Business		
LAS	0140	Fundamentals of Latin American Business		
Total			18-20	
* Spanish 0076 and 0176 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 15 s.h. 9 credits are assigned to language instruction, 6 credits to culture and society, taught under LAS 0100. 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	0051	Basic I		LA
Spanish	0052	Basic II		LA
Spanish	CO61	Intermediate I		LB
Spanish	0101	Conversational Review		
Spanish	W102	Composition and Conversation		WI
Spanish	0103	Hispanic Readings		
Spanish	0076/0176	Intensive Practice (LASS)*		
Spanish	0209	Spanish for Spanish Speakers		
<i>Two courses in Latin American Studies:</i>				
Latin American Studies	CO50	Perspectives on Latin America	6	
	0100	<i>and</i> Latin America Through Film and Fiction**		
<i>Select one of the following:</i>				
Latin American Studies	W138	Topics in Latino Studies	3	WI
	0148	<i>or</i> Puerto Ricans in Philadelphia		
Total			18-20	

*Spanish 0076 and 0176 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 15 s.h. 9 credits are assigned to language instruction, 6 credits to culture and society, taught under LAS 0100. 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 15-subject-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 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 (215-204-8285).

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
One to three lower level courses (choose from the following courses).			3-9	
Women's Studies	C051 or	Introduction to Women's Studies (X051 also WI)		IN
Women's Studies	X051	Gender and History		IS
Women's Studies	C065	American Women's Lives (X076 also WI)		AC
Women's Studies	C076 or	International Women's Writing		IS
Women's Studies	X076	Men and Women in American Society (X081 also WI)		AC
Women's Studies	C080	The Psychology of Women		
	C081 or			
	X081			
	0083			
Women's Studies	0100	Essential Issues in Women's Studies	3	
Six to eight upper level electives (over 100)			18-24	
Majors will also be permitted to take two of these six to 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). Majors must take two designated upper-level courses designed for students to learn how to write a research paper.				

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.				
Women's Studies	0299	Field Work in Women's Studies	3	
Women's Studies	W300	Research Seminar* (Capstone Course)	3	WI
Total			36	

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 three 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 100). See major requirements for examples.	18	
Women's Studies	0100	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	C051 or X051	Introduction to Women's Studies (XO51 also WI)	3	IN
Women's Studies	0299	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 0100 level or above.	6	
Total			12	

BOYER COLLEGE OF MUSIC AND 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, Middle States Association, National Council for Accreditation of Teacher Education, Pennsylvania Department of Education, and American Music Therapy Association.

Admissions

Entrance Requirements

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.

Undergraduate Music Entrance Examinations

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.** This may be done by writing or calling the Boyer College of Music and Dance, Temple University, Philadelphia, PA 19122; 215-204-6810. Entrance examinations are given in the Boyer College, Presser Hall, which is located on the northeast corner of 13th and Norris Streets.

The freshman and transfer application deadline is March 1st, with the priority scholarship auditions taking place in January and February. Applicants for admission to the spring semester must take the tests in December, and applications must be received no later than November 1st. Contact the Boyer College of Music and Dance at 215-204-6810, or access the website for [specific audition dates](#).

If the applicant is unable to be present because of distance, a national or a taped audition may be acceptable. National auditions are scheduled in several U.S. cities. Please refer to the [Boyer College website](#), or contact the Boyer College for specific cities and dates. All students wishing to schedule a national audition must have a completed application on file with the Office of Undergraduate Admission by November 1st. Tapes should be sent to Mr. James Short, Director of Music Admissions, Boyer College of Music and Dance, Presser Hall, Temple University, Philadelphia, PA 19122. Please clearly mark the tapes with your name, instrument, contact information, degree program, and repertoire. Students must have an application on file before audition tapes are reviewed.

Prospective composition majors should submit several representative scores at the time of their audition. Prospective theory majors should arrange for an interview with the Chair of the Theory Department.

Music Entrance Examinations

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.

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.

Audition Requirements

CLASSICAL GUITAR

Guitar Performance and Concentration

Bachelor of Music in Classical Guitar Performance

Bachelor of Music in Music Education

Bachelor of Music in Theory****

Bachelor of Music in Composition*

Bachelor of Music in Music History

Bachelor of Music in Music Therapy

All auditions must be taken on a classical guitar using classical technique.

Technique: Scales and arpeggios; an étude by Fernando Sor or equivalent.

Repertoire: A work from the 17th or 18th century, and a work from the late 19th or 20th century. These works must be performed from memory.

HARP

Harp Performance and Concentration

Repertoire:

1. A movement from a major concerto or sonata, i.e. "Allegro-Moderato" from *Concerto in B flat* by G.F. Handel.
2. A work from the major solo harp repertoire, i.e. *Impromptu* by Faure, *Scintillation* by C. Salzedo.
3. One free choice work.
4. Between 1 and 2 orchestral excerpts and/or cadenzas.

JAZZ

Jazz Instrumental Performance Major

Bachelor of Music in Jazz Performance

Technique: Scales-major and minor (harmonic and melodic). Major and minor arpeggios, triads and seventh chords will be performed two octaves (piano four octaves).

Repertoire:

1. Each applicant must perform Bags Groove and two additional jazz standards from [*The Standards Real Book*](#), [*Sher Music Company*](#). **All selections must be performed from memory.** Applicants are expected to improvise on each selection.
2. Applicants of chord instruments may be asked to accompany on various styles such as: Latin, bossa nova, and funk/rock.
3. Applicants will be required to sight read an excerpt from a big band chart and/or a selected étude.
4. Videotapes, audiotapes and/or DVD's are accepted at the discretion of the audition committee. If the student is accepted, auditions must include all of the components listed above. The sight-reading component must be replaced with an étude (either classical or jazz).

Jazz Instrumental Concentration

Bachelor of Music in Jazz Arranging/Composition**

Bachelor of Music in Music Education/Jazz Studies Component***

Bachelor of Music in Music Therapy/Jazz

Technique: Scales-major and minor (harmonic and melodic).

Major and minor arpeggios, triads and seventh chords will be performed two octaves (piano four octaves).

Repertoire:

1. Each applicant must perform Bags Groove and two additional jazz standards from [*The Standards Real Book*](#), [*Sher Music Company*](#). **All selections must be performed from memory.** Applicants are expected to improvise on each selection.
2. Applicants of chord instruments may be asked to accompany on various styles such as: Latin, bossa nova, funk/rock, etc.
3. Applicants will be required to sight read an excerpt from a big band chart and/or a selected étude.
4. Videotapes, audiotapes and/or DVD's are accepted at the discretion of the audition committee. If a student is accepted, auditions must include all of the components listed above. The sight-reading component must be replaced with an étude (either classical or jazz).

Jazz Percussion (Performance and/or Concentration)

Bachelor of Music in Jazz Performance

Bachelor of Music in Jazz Arranging/Composition**

Bachelor of Music in Music Education/Jazz Studies Component***

Bachelor of Music in Music Therapy/Jazz

Technique: Scales-major and minor (harmonic and melodic). Major and minor arpeggios, triads and seventh chords will be performed on the piano (one octave). All applicants must perform one of the two solos found on the website at the time of the audition at a tempo between 120-150 BPM.

Repertoire:

All applicants must perform one of the two solos found on the website ([Audition Requirements](#)) at the time of the audition at a tempo between 120-150 BPM. Please e-mail music@temple.edu to receive .pdf files.

1. Perform Bag's Groove and one additional jazz standard from [The Standards Real Book](#), [Sher Music Company](#). **All selections must be performed from memory.** Applicants must be able to interpret and play the melodies on the drum set and should be able to solo over the forms of both compositions.
2. Applicants may be asked to perform the following grooves with sticks and/or brushes: Bossa Nova, Samba, Funk/Rock, Jazz Waltz, Swing: Slow (60-80 BPM) Medium (100-144) Fast (180-250)
3. Applicants will be required to sight read an excerpt from a big band chart and/or a snare drum étude.
4. Videotapes, audiotapes and/or DVD's are accepted at the discretion of the audition committee. If a student is accepted, auditions must include all of the components listed above. The sight-reading component must be replaced with an étude (either classical or jazz).

Jazz Vocal Performance

Bachelor of Music in Jazz Voice Performance

Technique: Scales, major and minor (harmonic) one octave (solfege syllables preferred).

Major and minor arpeggios, triads and seventh chords will be performed one octave.

Repertoire:

1. Vocalists are expected to perform Bag's Groove and two additional jazz standards from [The Standards Real Book](#), [Sher Music Company](#). **All selections must be performed from memory.** Applicants are expected to improvise on Bag's Groove.
2. Applicants will be required to sight read material from the jazz idiom and/or a sight singing étude.
3. Videotapes, audiotapes and/or DVD's are accepted at the discretion of the audition committee. If a student is accepted, auditions must include all of the components listed above. The sight-reading component must be replaced with an étude (either classical or jazz).

Jazz Vocal Concentration

Bachelor of Music in Jazz Arranging/Composition**

Bachelor of Music in Music Education/Jazz Studies Component***

Bachelor of Music in Music Therapy/Jazz

Technique: Scales, major and minor (harmonic) one octave (solfege syllables preferred).

Major and minor arpeggios, triads and seventh chords will be performed one octave

Repertoire:

1. Vocalists are expected to perform Bag's Groove and two additional jazz standards from [The Standards Real Book](#), [Sher Music Company](#). **All selections must be performed from memory.** Applicants are expected to improvise on Bag's Groove.
2. Applicants will be required to sight read material from the jazz idiom and/or a sight singing étude.
3. Videotapes, audiotapes and/or DVD's are accepted at the discretion of the audition committee. If a student is accepted, auditions must include all of the components listed above. The sight-reading component must be replaced with an étude (either classical or jazz).

KEYBOARD

Piano Performance

Bachelor of Music in Piano Performance

Bachelor of Music in Piano Pedagogy

Technique: Scales, major and minor (melodic and harmonic), and arpeggios, major and minor, four octaves, hands together at a fast tempo. Sight reading.

Repertoire: One piece from each of the following periods, all works are to be played from memory:

Baroque: Prelude and Fugue from Bach's Well-Tempered Clavier, or a major work by Bach.

Classical: Entire sonata by Mozart, Beethoven (excluding Opus 49, Nos. 1 and 2), or Schubert.

Romantic, Impressionistic, or Contemporary: Any piece of advanced difficulty.

Harpsichord Performance

Bachelor of Music in Harpsichord Performance

Applicants without previous harpsichord study, same as piano performance audition requirements.

Applicants with some harpsichord and piano experience, the work of J.S. Bach (required in the piano audition) or another baroque work should be performed on harpsichord, with the remainder as listed in the piano requirements.

Applicants with harpsichord but no piano experience should be prepared to perform:

1. A work of J.S. Bach.
2. A work from the French baroque repertoire.
3. A Scarlatti Sonata OR an English work from the Fitzwilliam Virginal Book.
4. Sight reading.

Harpsichord Concentration

Bachelor of Music in Theory****

Bachelor of Music in Music History

Audition requirements are as follows:

1. For applicants without previous harpsichord experience, same as Piano Concentration Audition Requirements.

2. For applicants with some harpsichord experience, a work by J.S. Bach or another baroque work should be performed on harpsichord, with the remainder of the audition performed on the piano following the Piano Concentration Audition Requirements

3. Applicants with harpsichord but no piano experience should be prepared to perform a Prelude and Fugue, Invention or Sinfonia of J.S. Bach; a work from the French baroque repertoire, and a Scarlatti Sonata OR an English work from the Fitzwilliam Virginal Book.

Piano Concentration

Bachelor of Music in Music Education

Bachelor of Music in Theory****

Bachelor of Music in Composition*

Bachelor of Music in Music History

Bachelor of Music in Music Therapy

Technique: Scales, major and minor (melodic and harmonic), and arpeggios, major and minor, two octaves, hands together at a fast tempo. Sight reading.

Repertoire: One piece from each of the following periods, at least two must be from memory:

Baroque: Two- or Three-Part Invention of Bach.

Classical: First movement of a sonata by Haydn, Mozart, or Beethoven (except Opus 49, Nos. 1 and 2).

Romantic, Impressionistic, or Contemporary: Any piece equivalent in difficulty to the sonata movement above.

PERCUSSION

Percussion Performance and Concentration

A list of specific percussion audition requirements is available upon request from the Boyer College of Music: 215-204-6810.

Detailed requirements are listed on the Boyer College website at

www.temple.edu/boyer/admissions/music/undergraduate/requirements.htm.

STRINGS

String Performance

Bachelor of Music in String Performance

Technique: Scales and arpeggios, major and minor, in three octaves, and an étude of advanced difficulty.

Repertoire: Two contrasting movements of an unaccompanied Bach solo sonata or suite, a movement from a Classical sonata or concerto, and a Romantic or Contemporary work to represent the student's level of proficiency.

String Concentration

Bachelor of Music in Music Education

Bachelor of Music in Theory****

Bachelor of Music in Composition*

Bachelor of Music in Music History

Bachelor of Music in Music Therapy

Technique: Scales, major and minor, in three octaves; an étude.

Repertoire: Two contrasting movements from a Baroque sonata and a Romantic or Contemporary piece.

WINDS OR BRASS

Winds or Brass Performance

Bachelor of Music in Performance

Two movements of a sonata, concerto, or other solo work, two contrasting études, and orchestral excerpts.

Winds or Brass Concentration

Bachelor of Music in Music Education

Bachelor of Music in Theory****

Bachelor of Music in Composition*

Bachelor of Music in Music History

Bachelor of Music in Music Therapy

One movement of a solo work and two contrasting études.

VOICE

Voice Performance

Bachelor of Music in Voice Performance

Applicants should prepare an Italian song from the 17th or 18th century, an English song from the baroque or contemporary period, and an additional classical selection to be chosen by the applicant; musical theater selections, jazz, pop, or original compositions are not acceptable. All songs must be memorized and sung in their original languages. Accompanist will be provided for on-campus auditions.

Voice Concentration

Bachelor of Music in Music Education

Bachelor of Music in Theory****

Bachelor of Music in Composition*

Bachelor of Music in Music History
Bachelor of Music in Music Therapy

Applicants should prepare an Italian song from the 17th or 18th century and an English song from the baroque or contemporary period. All audition pieces must be memorized and sung in their original languages; musical theater selections, jazz, pop, or original compositions are not acceptable. Accompanist will be provided for on-campus auditions.

NOTE: Some programs have additional requirements as listed below. Those programs having additional requirements appear with asterisks which correlate to the following:

*** Bachelor of Music in Composition**

In addition to a concentration-level audition on their major instrument or voice, applicants to this degree program must submit scores and/or tapes of original compositions.

**** Bachelor of Music in Jazz Arranging and Composition**

In addition to a concentration-level jazz audition, candidates must provide a composition portfolio of three complete and contrasting pieces. Tapes and scores should be presented at the time of the audition.

***** Bachelor of Music in Music Education/Jazz Studies Component**

Applicants to this degree program are required to present jazz and classical concentration-level auditions.

****** Bachelor of Music in Music Theory**

In addition to a concentration-level audition on their major instrument or voice, applicants to this degree program must arrange for an interview with the chair of the Theory Department.

Bachelor of Music in Jazz Performance with a Music Technology Component

Candidates should expect to complete the audition requirements listed under Jazz Performance. The Music Technology component requires an additional two semesters to complete, bringing the total to five years.

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 website](#) 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 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 Esther Boyer College

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 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.

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** - 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. For further information concerning curricula and fees, write to: Temple Music Preparatory Division, 1515 Market Street, Suite 501, Philadelphia, PA 19102, or e-mail to: musicprep@temple.edu or phone: 215-204-1512. You can also visit the website at: www.temple.edu/boyer/musicprep.

Special 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, two computer synthesis studios, student and faculty lounges, a large listening library, and the Presser Learning Center. Presser Hall's performance facilities include Klein Recital Hall and Arronson Rehearsal Hall. Also utilized by the Boyer College are Tomlinson Theater and Thomas Hall, located across the street from Presser Hall.

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 string and chamber music programs of the New School Institute, the Department of Composition, the Keyboard Department, the Early Music Program, the Alice Tully Library, three state-of-the-art computer/electronic music laboratories, practice rooms, classrooms, and a 325-seat chamber music recital hall.

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 lab, now housed in Rock Hall, is the hardware and software necessary for future teachers and therapists to become knowledgeable about the role of computers in music and administration.

The Experimental MIDI studio 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.

The Presser Hall Listening Library houses a collection of more than 10,000 recordings and tapes, compact discs, video tapes, 250 reference books, and 1,000 scores. Music listening assignments for courses in music history, theory, composition, 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.

Content Area	Department	Course #	Course Name	Hours	RCI
Core Curriculum Science	Physics/and Music Studies	C067 and C315	Acoustics and Computers in Musical Applications	3	
				3	
Music Notation on the Microcomputer	Music Education	0331	Technology for Education in Music	3	
Interactive Multimedia	Music Education	0332 and 0333	Interactive Multimedia I and Interactive Multimedia II	3	
				3	
Audio Engineering	Music Studies	0321	Sound Recording	3	
Synthesis and Sequencing	Music Studies	0316	Computer Synthesis	3	
	Music Studies	0335	Composing Music for Film	3	
	Music Studies	0346	MIDI	3	
Electives	Music Studies	0347	Computer Music Studio	2-3	
	BTMM	0275	Audio Production	2	
	Math	C085	Calculus	4	
	Comp & Info Sci	C081	C Programming	4	
	Music Studies	C071	Sound Editing	3	
Advanced Project		0329	Projects in Music Technology	3	
Total				36	

Academic Advising Center

Janet M. Yamron, Associate Dean
 Presser Hall
 2001 N. 13th Street
 215-204-8301
jyamron@temple.edu

All Bachelor of Music and Bachelor of Science in Music students will be assigned a permanent faculty advisor by the Associate Dean for Undergraduate Affairs. 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 that appear below.

Band Camp and Choir Retreat Policy

Each fall, prior to the opening of school, the 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 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 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 fifty-six 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 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 forty-five to fifty minutes, exclusive of an optional intermission of no more than ten 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 0300-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 0300-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.

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.

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*.

Descriptions

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.

Student Contact Information

Boyer College of Music and Dance - Music Contacts

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Music Technology Component

In addition to coursework leading to bachelor's degrees in Music, the Boyer College of Music 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	0015	Voice Major	3	
Music	0005	Secondary Piano for Music Majors	1	
Music	0025	English Diction	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0041	Aural Theory I	2	
Music Studies	0045	Intro. To Music Theory and Lit	2	
English	R050	College Composition	3	RC
Required Elective	0051	Foreign Language	4	
Subtotal			17	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0016	Voice Major	3	
Music	0006	Secondary Piano for Music Majors	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0042	Aural Theory II	2	
Music Studies	C143	Theory I	3	AR
Music Studies	0330	World Music	3	
Required Elective	0052	Foreign Language	4	
Subtotal			17	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0115	Voice Major	3	
Music	0105	Secondary Piano for Music Majors	1	
Music	0123	Basic Conducting	1	
Core	C061	Foreign Language	3	IS
Music	Varies	Choral Ensemble	1	
Music Studies	0141	Aural Theory III	2	
Music Studies	0144	Theory II	3	
Music Studies	0160	Music in History	2	
Subtotal			16	

Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0116	Voice Major	3	
Music	0106	Secondary Piano for Music Majors	1	
Music	0124	Conducting Intermediate	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0142	Aural Theory IV	2	
Music Studies	C243	Theory III	3	QB
Music Studies	0161	Music in History	2	
	0051	Foreign Language	4	
Subtotal			17	
Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0215	Voice Major	3	
Music	0332	Diction Skills	1	
Music	Varies	Choral Ensemble	1	
Required Elective	Elective	Music Electives (From lists)	2	
Music Studies	W260	Music in History	3	WI
IH	X051	Intellectual Heritage	3	IA
Required Elective	0051	Foreign Language	4	
Subtotal			17	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0216	Voice Major	3	
Music	0333	Diction Skills	1	
Music	Varies	Choral Ensembles	1	
Required Elective	Elective	Music Electives (From lists)	3	
Music Studies	W261	Music in History	3	WI
IH	X052	Intellectual Heritage	3	IB
Math	C055	College Mathematics	3	QA
Subtotal			17	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0315	Voice Major	3	
Music	0323	Vocal Coaching	1	
Music	0267	Vocal Repertoire	2	
Music	0334	Opera Workshop	3	
Music	Varies	Choral Ensemble	1	
CORE	Elective	American Culture	3	AC
Physics	C067	Physics (Acoustics)	3	SA
Subtotal			16	
Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0316	Voice Major	3	
Music	0324	Vocal Coaching	1	
Music	0327	Vocal Pedagogy	2	
Music	0268	Vocal Repertoire	2	
Music	0335	Opera Workshop	2	
CORE	Elective	Individual and Society	3	IN
Music Studies	C315	Computers in Music Applications	3	SB
Subtotal			16	
Degree Total			133	

Orchestration 0242 (2 cr)
 Advanced Orchestration 0342 (2 cr)
 Keyboard Harmony 0241 or 0245 (3 cr)
 Counterpoint 0343 (2 cr)
 Composition 0248, 0249 (0-2 cr)
 Analysis 0345 (2 cr)

Music Electives - List B

History of Jazz 0138 (3 cr)
 Business of Music 0318 (2 cr)
 Music Technology courses
 Advanced Conducting 0330 or 0331 (2 cr)
 Music Learning Theory 0335 (3 cr)
 Opera Ensemble 0339 (1 cr)*
 Early Music Ensemble 0397 (1 cr)*
 Improvisation 0147 (2 cr)*
 Musical Theater 0358 (2 cr)

NOTE: You must take at least one elective from List A and one from List B.

*No more than 2 credit hours may be taken as music elective credit.

Performance, Keyboard/Piano Instruction

Harvey D. Wedeen, Chair
 215-204-8648
hwedeem@temple.edu

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	0009	Piano Major	4	
Music	0028	Accomp. and Piano Ens	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0041	Aural Theory I	2	
Music Studies	0045	Intro to Mus. Theory and Literature	2	
English	R050	College Composition	3	RC
Math	C055	College Math	3	QA
Subtotal			16	
Freshman Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0010	Piano Major	4	
Music	0029	Accomp. and Piano Ens	1	
Music Studies	0042	Aural Theory II	2	
Music Studies	C143	Theory I	3	AR
Music Studies	0330	World Music	3	
IH	X051	Intellectual Heritage	3	IA
Subtotal			17	
Sophomore Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0109	Piano Major	4	
Music	0028	Accomp. and Piano Ens.	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0141	Aural Theory III	2	
Music Studies	0144	Theory II	3	

Music Studies	0160	Music in History	2	
IH	X052	Intellectual Heritage	3	IB
Subtotal			16	
Sophomore Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0110	Piano Major	4	
Music	0029	Accomp. and Piano Ens.	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0142	Aural Theory IV	2	
Music Studies	C243	Theory III	3	QB
Music Studies	0161	Music in History	2	
CORE	Elective	Individual and Society	3	IN
Subtotal			16	
Junior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0209	Piano Major	4	
Music	0028	Accomp. and Piano Ens.	1	
Music	0041	Intro. to Piano Pedagogy	2	
Music	0123	Basic Conducting	1	
Music	0265	Keyboard Literature	3	
Music Studies	W260	Music in History	3	WI
Physics	C067	Physics (Acoustics)	3	SA
Subtotal			17	
Junior Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0210	Piano Major	4	
Music	0029	Accomp. and Piano Ens.	1	
Music	0124	Conducting Intermediate	1	
Music	0266	Keyboard Literature	3	
Music Studies	0241	Keyboard Harmony	3	
Required Elective	Elective	Music Elective	2	
Music Studies	W261	Music in History	3	WI
Subtotal			17	
Senior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0309	Piano Major	4	
Music	0028	Accomp. and Piano Ens.	1	
Music	0247	Pedagogy of Children	2	
Required Elective	Elective	Music Electives	2	
CORE	Elective	International Studies	3	IS
CORE	Elective	American Culture/Race	3	AC, RS
Subtotal			15	
Senior Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0310	Piano Major	4	
Music	0029	Accomp. and Piano Ens.	1	
Music Studies	C315	Computers in Music Appl.	3	SB
Required Elective	List	Music Electives	4	
Core	Elective	International Studies	3	IS
Subtotal			15	
Degree Total			129	

Music Electives - List A

Orchestration 0242 (2 cr)

Advanced Orchestration 0342 (2 cr)

Analysis 0345 (2 cr)

Composition 0248, 0249 (0-2 cr)

Music Electives - List B

Early Keyboard Instruments Sem. (2 cr)

Advanced Conducting 0330 (2 cr)

* No more than 2 credit hours may be taken as music elective credit.

NOTE: You must take at least one elective from List A and one from List B.

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	0021	Harpsichord Major	4	
Music	0028	Accomp. and Piano Ens.	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0041	Aural Theory I	2	
Music Studies	0045	Intro to Music Theory and Literature	2	
English	R050	College Composition	3	RC
Math	C055	College Math	3	QA
Subtotal			16	
Freshman Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0022	Harpsichord Major	4	
Music	0029	Accomp. and Piano Ens.	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0042	Aural Theory II	2	
Music Studies	C143	Theory I	3	AR
Music Studies	0330	World Music	3	
IH	X051	Intellectual Heritage	3	IA
Subtotal			17	
Sophomore Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0121	Harpsichord Major	4	
Music	0028	Accomp. and Piano Ens.	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0141	Aural Theory III	2	
Music Studies	0144	Theory II	3	
Music Studies	0160	Music in History	2	
IH	X052	Intellectual Heritage	3	IB
Subtotal			16	
Sophomore Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI

Music	0122	Harpsichord Major	4	
Music	0029	Accomp. and Piano Ens.	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0142	Aural Theory IV	2	
Music Studies	C243	Theory III	3	QB
Music Studies	0161	Music in History	2	
CORE	Elective	Individual and Society	3	IN
Subtotal			16	
Junior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0221	Harpsichord Major	4	
Music	0028	Accomp. and Piano Ens.	1	
Music	0123	Basic Conducting	1	
Music	0265	Keyboard Literature	3	
Music Studies	W260	Music in History	3	WI
Physics	C067	Physics (Acoustics)	3	SA
Subtotal			15	
Junior Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0222	Harpsichord Major	4	
Music	0029	Accomp. and Piano Ens.	1	
Music	0124	Conducting Intermediate	1	
Music	0266	Keyboard Literature	3	
Music Studies	0241	Keyboard Harmony	3	
Required Elective	Elective	Music Elective	2	
Music Studies	W261	Music in History	3	WI
Subtotal			17	
Senior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0321	Harpsichord Major	4	
Music	0028	Accomp. and Piano Ens.	1	
Music	0397	Early Music Ensemble	1	
Required Elective	Elective	Music Electives	3	
CORE	Elective	International Studies	3	IS
CORE	Elective	American Culture/Race	3	AC, RS
Subtotal			15	
Senior Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0322	Harpsichord Major	4	
Music	0029	Accomp. and Piano Ens.	1	
Music	0397	Early Music Ensemble	1	
Music Studies	C315	Computers in Musical Applic.	3	SB
Required Elective	Elective	Music Electives	3	
CORE	Elective	International Studies	3	IS
Subtotal			15	
Degree Total			129	

Music Electives

Orchestration 0242 (2 cr)
 Advanced Orchestration 0342 (2 cr)
 Analysis 0345 (2 cr)
 Composition 0248, 0249 (0-2 cr)
 Advanced Conducting 0330 or 0331 (2 cr)

Performance, Piano Pedagogy

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 Pedagogy

Freshman Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0009*	Piano Major	4	
Music	0028	Accomp. and Piano Ens.	1	
Music	0041	Intro. to Piano Pedagogy	2	
Music	0244	Suzuki for Pianists	2	
Music	Varies	Choral Ensemble	1	
Music Studies	0041	Aural Theory I	2	
Music Studies	0045	Intro to Music Theory and Lit	2	
English	R050	College Composition	3	RC
Subtotal			17	
Freshman Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0010*	Piano Major	4	
Music	0029	Accomp. and Piano Ens.	1	
Music	0145	Pedagogy of Piano Tech.	2	
Music	Varies	Choral Ensemble	1	
Music Studies	0042	Aural Theory II	2	
Music Studies	C143	Theory I	3	AR
Music Studies	0330	World Music	3	
Subtotal			16	
Sophomore Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0109*	Piano Major	4	
Music	0028	Accomp. and Piano Ens.	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0141	Aural Theory III	2	
Music Studies	0144	Theory II	3	
Music Studies	0160	Music in History	2	
IH	X051	Intellectual Heritage	3	IA
Subtotal			16	
Sophomore Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0110*	Piano Major	4	
Music	0146	Creative Act for the Piano Teacher	2	
Music	Varies	Choral Ensemble	1	
Music Studies	0142	Aural Theory IV	2	
Music Studies	C243	Theory III	3	QB
Music Studies	0161	Music in History	2	
IH	X052	Intellectual Heritage	3	IB
Subtotal			17	
Junior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0209*	Piano Major	4	
Music	0265	Keyboard Literature	3	

Music	0247	Pedagogy of Children	2	
Music Studies	0343	Counterpoint	2	
CORE	Elective	American Culture/Race	3	AC, RS
Music Studies	W260	Music in History W260, W261	3	WI
Subtotal			17	
Junior Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0210*	Piano Major	4	
Music	0266	Keyboard Literature	3	
Music	0249	Pedagogy of College Non-Major	2	
Music Studies	W261	Music in History	3	WI
CORE	Elective	Individual and Society	3	IN
Subtotal			15	
Senior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0309*	Piano Major	4	
Music	0028	Accomp. and Piano Ens.	1	
Music	0105	Sec. Piano (Jazz)	1	
Music Studies	0241	Keyboard Harmony	3	
CORE	Elective	International Studies	3	IS
Physics	C067	Physics (Acoustics)	3	SA
Music	0123	Basic Conducting	1	
Subtotal			16	
Senior Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0310*	Piano Major	4	
Music	0029	Accomp. and Piano Ens.	1	
Music	0106	Sec. Piano (Jazz)	1	
Music Studies	C315	Computers in Musical Applications	3	SB
CORE	Elective	International Studies	3	IS
Math	C055	College Math	3	QA
Music	0124	Conducting Intermediate	1	
Subtotal			16	
Degree Total			130	

*Piano Major sequence, (0009, 0010, 0109, 0110, 0209, 0210, 0309, 0310) requires a minimum of four (4) hours practice daily.

Instrumental Studies, Instrumental Performance

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Glenn Steele
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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	0003	Instrumental Major	4	
Music	Varies	Ensembles	1	
Music	Varies	Ensembles	1	
Music Studies	0041	Aural Theory I	2	
Music Studies	0045	Intro to Music Theory and Lit	2	
English	R050	College Composition	3	RC
Music	0005	Secondary Piano for Music Majors	1	
Music Studies	0330	World Music	3	
Subtotal			17	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0004	Instrumental Major	4	
Music	Varies	Ensembles	1	
Music	Varies	Ensembles	1	
Music Studies	0042	Aural Theory II	2	
Music Studies	C143	Theory I	3	AR
Music	0006	Secondary Piano for Music Majors	1	
Math	C055	College Math	3	QA
Subtotal			15	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0103	Instrumental Major	4	
Music Studies	0144	Theory II	3	
Music Studies	0160	Music in History	2	
Music	Varies	Ensembles	1	
Music	Varies	Ensembles	1	
Music Studies	0141	Aural Theory III	2	
Core	Elective	American Culture/Race	3	AC, RS
Music	0105	Secondary Piano for Music Majors	1	
Subtotal			17	
Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0104	Instrumental Major	4	

Music Studies	C243	Theory III	3	QB
Music Studies	0161	Music in History	2	
Music	Varies	Ensembles	1	
Music	Varies	Ensembles	1	
Music Studies	0142	Aural Theory IV	2	
Required Elective	Elective	Music Elective (from lists)	2	
Music	0106	Secondary Piano for Music Majors	1	
Music	0398	Orchestral Repertoire	1	
Subtotal			17	
Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0203	Instrumental Major	4	
Music	0395	Guitar Lit. and Performance	1	
Music	Varies	Ensembles	1	
Music Studies	W260	Music in History	3	WI
Music Studies	X051	Intellectual Heritage	3	IA
Required Elective	Elective	Music Elective (from lists)	3	
Music	0123	Basic Conducting	1	
Subtotal			16	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0204	Instrumental Major	4	
Music	Varies	Ensembles	1	
Music	Varies	Ensembles	1	
Music Studies	W261	Music in History	3	WI
Intellectual Heritage	X052	Intellectual Heritage	3	IB
Core	Elective	Individual and Society	3	IN
Music	0124	Conducting Intermediate	1	
Music	0398	Orchestral Repertoire	1	
Subtotal			17	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0303	Instrumental Major	4	
Music	Varies	Ensembles	1	
Music	Varies	Ensembles	1	
CORE	Elective	International Studies	3	IS
CORE	Elective	Science A	3	SA
Required Elective	Elective	Music Electives (from lists)	3	
Subtotal			15	
Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0304	Instrumental Major	4	
Music	Varies	Ensembles	1	
Music	Varies	Ensembles	1	
Core	Elective	International Studies	3	IS
Core	Elective	Science B	3	SB
Required Elective	Elective	Music Electives (from lists)	2	
Subtotal			14	
Degree Total			128	

- Acoustics C067 (SA), and Computers in Musical Applications C315 (SB) recommended.
- No more than 2 credit hours may be taken as music elective credit.
- Students must take at least one elective from List A and one from List B.

Music Electives - List A

Orchestration 0242 (2 cr)
 Advanced Orchestration 0342 (2 cr)
 Keyboard Harmony 0241 or 0245 (3 cr)
 Counterpoint 0343 (2 cr)
 Composition 0248, 0249 (0-2 cr)
 Analysis 0345 (2 cr)

Music Electives - List B

History of Jazz 0138 (3 cr)
 Business of Music 0318 (2 cr)
 Music Technology courses
 Advanced Conducting 0330 or 0331 (2 cr)
 Music Learning Theory 0335 (3 cr)
 Instrumental Pedagogy (2 cr)
 Choral Ensembles (1 cr)*
 Early Music Ensemble 0397 (1 cr)*
 Orchestral Repertoire 0398 (1 cr)*
 Voice 0011, 0012 (1 cr)*
 Improvisation 0147 (2 cr)*

Bass performance majors must enroll for eight semesters of orchestra and four additional semesters 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 orchestra 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	0003	Instrumental Major	4	
Music	0395	Seminar in Guitar Performance and Lit.	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0041	Aural Theory I	2	
Music Studies	0045	Intro to Music Theory and Lit.	2	
English	R050	College Composition	3	RC
Music	0005	Secondary Piano for Music Majors	1	
Music Studies	0330	World Music	3	
Subtotal			17	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0004	Instrumental Major	4	
Music	0395	Seminar in Guitar Performance and Lit.	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0042	Aural Theory II	2	
Music Studies	C143	Theory I	3	AR
Music	0006	Secondary Piano for Music Majors	1	
Math	C055	College Math	3	QA
Subtotal			15	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0103	Instrumental Major	4	
Music	0395	Seminar in Guitar Performance and Lit.	1	
Music	Varies	Choral Ensemble	1	

Music Studies	0144	Theory II	3	
Music Studies	0160	Music in History	2	
Music Studies	0141	Aural Theory III	2	
IH	X051	Intellectual Heritage	3	IA
Music	Varies	Instrumental Ensemble	1	
Subtotal			17	
Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0104	Instrumental Major	4	
Music	0395	Seminar in Guitar Performance and Lit.	1	
Music	Varies	Choral Ensemble	1	
Music Studies	C243	Theory III	3	QB
Music Studies	0161	Music in History	2	
Music Studies	0142	Aural Theory IV	2	
IH	X052	Intellectual Heritage	3	IB
Music	Varies	Instrumental Ensemble	1	
Subtotal			17	
Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0203	Instrumental Major	4	
Music	0395	Seminar in Guitar Performance and Lit.	1	
Music	Varies	Instrumental Ensemble	1	
Music Studies	W261	Music in History	3	WI
Music	0123	Basic Conducting	1	
CORE	Elective	International Studies	3	IS
Music	Elective	Music	2	
Subtotal			15	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0204	Instrumental Major	4	
Music	0395	Seminar in Guitar Performance and Lit.	1	
Music	Varies	Instrumental Ensemble	1	
Music Studies	W261	Music in History	3	WI
Music	0124	Conducting Intermediate	1	
Music	Elective	Music Elective (from lists)	3	
CORE	Elective	International Studies	3	IS
Subtotal			16	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0303	Instrumental Major	4	
Music	0395	Seminar in Guitar Performance and Lit.	1	
Music		Jr/Sr Guitar Seminar	2	
Music	Elective	Music Electives (from lists)	3	
CORE	Elective	Individual and Society	3	IN
CORE	Elective	Science A	3	SA
Subtotal			16	
Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0304	Instrumental Major	4	
Music	0395	Seminar in Guitar Performance and Lit.	1	
CORE	Elective	Science B#	3	SB
CORE	Elective	American Culture/Race	3	AC, RS
Required Elective	Elective	Music Elective (from lists)	3	

Subtotal		14
Degree Total		127
# Acoustics C067 (SA), and Computers in Musical Applications C315 (SB) recommended.		

Music Elective - List A

Orchestration 0242 (2 cr)
 Advanced Orchestration 0342 (2 cr)
 Keyboard Harmony 0241 or 0245 (3 cr)
 Counterpoint 0343 (2 cr)
 Composition 0248, 0249 (0-2 cr)
 Analysis 0345 (2 cr)

Music Electives - List B

History of Jazz 0138 (3 cr)
 Business of Music 0318 (2 cr)
 Music Technology courses
 Advanced Conducting 0330 or 0331 (2 cr)
 Music Learning Theory 0335 (3 cr)
 Instrumental Pedagogy (2 cr)
 Choral Ensemble (1 cr)*
 Early Music Ensemble 0397 (1 cr)*
 Orchestral Repertoire 0398 (1 cr)*
 Voice 0011, 0012 (1 cr)
 Improvisation 0147 (2 cr)*

* No more than 2 credit hours may be taken as music elective credit.

NOTE: You must take at least one elective from List A and one from List B.

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	0003	Instrumental Major	4	
Music	0005	Secondary Piano for Music Majors	1	
Music	Varies	Small Ensemble	1	
Music	Varies	Large Ensemble	1	
Music Studies	0031	Aural Skills: Jazz	2	
Music Studies	0045	Intro to Music Theory & Literature	2	
Music Studies	0132	History of Pop	3	
English	R050	College Composition	3	RC
Subtotal			17	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0004	Instrumental Major	4	
Music Studies	0006	Jazz Secondary Piano	1	
Music	Varies	Small Ensemble	1	
Music Studies	0032	Aural Skills: Jazz	2	
Music Studies	C143 (4)	Theory I (Jazz)	3	AR

Music Studies	0138	History of Jazz	3	
Math	C055	College Math	3	QA
Subtotal			17	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0103	Instrumental Major	4	
Music Studies	0105	Secondary Piano for Music Majors	1	
Music	Varies	Small Ensemble	1	
Music	Varies	Large Ensemble	1	
Music Studies	0033	Aural Skills: Jazz	2	
Music Studies	0144 (4)	Theory II (Jazz)	3	
Music Studies	0318	Business of Music I	2	
Physics	C067	Physics (Acoustics)	3	SA
Subtotal			17	
Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0104	Instrumental Major	4	
Music Studies	0106	Jazz Secondary Piano	1	
Music	Varies	Small Ensemble	1	
Music Studies	C243 (4)	Theory III (Jazz)	3	QB
Music Studies	0333	Jazz Improvisation	2	
Core	Elective	Individual and Society	3	IN
Music Studies	C315	Computers in Musical Applications	3	SB
Subtotal			17	
Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0203	Instrumental Major	4	
Music	Varies	Small Ensemble	1	
Music	Varies	Large Ensemble	1	
Music Studies	0331	Jazz Arranging	3	
Music Studies	0334	Jazz Improvisation	2	
Music	0123	Basic Conducting	1	
IH	X051	Intellectual Heritage	3	IA
Subtotal			15	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0204	Instrumental Major	4	
Music	Varies	Small Ensemble	1	
Music	Varies	Large Ensemble	1	
Music Studies	0326	Jazz Styles and Analysis	2	
Music	0124	Conducting Intermediate	1	
IH	X052	Intellectual Heritage	3	IB
Music Studies	0330	World Music	3	
Subtotal			15	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0303	Instrumental Major	4	
Music	Varies	Small Ensemble	1	
Music	Varies	Large Ensemble	1	
Music Studies	W260	Music in History	3	WI
Required Elective	Elective	*Music Technology Elective	3	
Core	Elective	International Studies	3	IS
Subtotal			15	

Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0304	Instrumental Major	4	
Music	Varies	Small Ensemble	1	
Music	Varies	Large Ensemble	1	
Music Studies	W261	Music in History	3	WI
Core	Elective	International Studies	3	IS
Core	Elective	American Culture	3	AC
Subtotal			15	
Degree Total			128	
*Music Technology Electives				
Music Studies	0321	Sound Recording (Fall)		
Music Studies	0335	Composing Music for Film (Fall)		
Music Studies	0346	MIDI (Fall)		
Music Studies	0316	Computer Music Synthesis (Spring)		
Music Studies	0329	Sound Editing (Spring)		

Jazz Studies, Jazz Arranging/Composing

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Bachelor of Music: Jazz Arranging/Composing

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0001 or 0013	Performance Concentration	2	
Music	0005	Secondary Piano for Music Majors	1	
Music	Varies	Ensemble	1	
Music Studies	0031	Aural Skills: Jazz	2	
Music Studies	0132	History of Pop	3	
Music Studies	0045	Intro. to Music Theory & Lit.	2	
English	R050	College Composition	3	RC
Music Studies	0330	World Music	3	
Subtotal			17	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0002 or 0014	Performance Concentration	2	
Music Studies	0006	Jazz Secondary Piano	1	
Music	Varies	Ensemble	1	
Music Studies	0032	Aural Skills: Jazz	2	
Music Studies	0138	History of Jazz	3	
Music Studies	C143 (4)	Theory I (Jazz)	3	AR
Math	C055	College Math	3	QA
Subtotal			15	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0101 or 0113	Concentration	2	
Music Studies	0105	Secondary Piano for Music Majors	1	
Music Studies	0033	Aural Skills: Jazz	2	
Music	Varies	Small Ensemble	1	
Music	Varies	Large Ensemble	1	
Music Studies	0144 (4)	Theory II (Jazz)	3	

Music Studies	0318	Business of Music I	2	
Physics	C067	Physics (Acoustics)	3	SA
Subtotal			15	
Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0102 or 0114	Concentration	2	
Music Studies	0106	Jazz Secondary Piano	1	
Music	Varies	Small Ensemble	1	
Music	Varies	Large Ensemble	1	
Music Studies	C243 (4)	Theory III (Jazz)	3	QB
Music Studies	0333	Jazz Improvisation	2	
Core	Elective	American Culture	3	AC
Music Studies	C315	Computers in Musical Applications	3	SB
Subtotal			16	
Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0201 or 0213	Concentration	2	
Music Studies	0331	Jazz Arranging	3	
Music Studies	0334	Jazz Improvisation	2	
Music	Varies	Ensemble	1	
Music Studies	0337	Seminar in Jazz Composition	2	
Music	0123	Basic Conducting	1	
IH	X051	Intellectual Heritage	3	IA
Core	Elective	International Studies	3	IS
Subtotal			17	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0202 or 0214	Concentration	2	
Music Studies	0336	Jazz Arranging	3	
Music	Varies	Ensemble	1	
Music Studies	0326	Jazz Styles and Analysis	2	
Music Studies	0337	Seminar in Jazz Composition	2	
Music	0124	Conducting Intermediate	1	
Core	Elective	Individual and Society	3	IN
IH	X052	Intellectual Heritage	3	IB
Subtotal			17	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0301 or 0313	Performance Concentration	2	
Music	Varies	Ensemble	1	
Music Studies	0337	Seminar in Jazz Comp.	2	
Music Studies	0338	Seminar in Jazz Comp.	2	
Music Studies	0242	Orchestration	2	
Music Studies	W260	Music in History	3	WI
Music Ed	Elective	Music Technology Elective	3	
Subtotal			15	
Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0302 or 0314	Performance Concentration	2	
Music	Varies	Ensemble	1	
Music Studies	0337	Seminar in Jazz Composition	2	
Music Studies	0338	Seminar in Jazz Composition	2	
Music Studies	W261	Music in History	3	WI
Core	Elective	International Studies	3	IS

Subtotal			13	
Degree Total			125	
Music Technology Electives				
Music Studies	0321	Sound Recording (Fall)		
Music Studies	0335	Composing Music for Film (Fall)		
Music Studies	0346	MIDI (Fall)		
Music Studies	0316	Computer Music Synthesis (Spring)		
Music Studies	0329	Sound Editing (Spring)		

Jazz Studies, Jazz Voice Performance

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Bachelor of Music: Jazz Voice Performance

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0015	Voice Major	3	
Music	0005	Secondary Piano for Music Majors	1	
Music	0183	Jazz Ensemble	1	
Music Studies	0031	Aural Skills: Jazz	2	
Music Studies	0045	Intro to Music Theory & Lit.	2	
Music Studies	0132	History of Pop	3	
English	R050	College Composition	3	RC
Subtotal			15	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0016	Voice Major	3	
Music Studies	0006	Jazz Secondary Piano	1	
Music	0183	Jazz Ensemble	1	
Music Studies	0032	Aural Skills: Jazz	2	
Music Studies	C143 (4)	Theory I (Jazz)	3	AR
Music Studies	0138	History of Jazz	3	
Math	C055	College Math	3	QA
Subtotal			16	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0115	Voice Major	3	
Music Studies	0105	Secondary Piano for Music Majors	1	
Music	0183	Jazz Ensemble	1	
Music	Varies	Ensemble	1	
Music Studies	0033	Aural Skills: Jazz	2	
Music Studies	0144 (4)	Theory II	3	
Music Studies	0318	Business of Music I	2	
Physics	C067	Physics (Acoustics)	3	SA
Subtotal			16	
Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0116	Voice Major	3	
Music Studies	0106	Jazz Secondary Piano	1	
Music	0183	Jazz Ensemble	1	
Music	Varies	Ensemble	1	

Music Studies	C243 (4)	Theory III	3	QB
Music Studies	0333	Jazz Improvisation: Theory and Practice	2	
Core	Elective	Individual and Society	3	IN
Music Studies	C315	Computers in Musical Applications	3	SB
Subtotal			17	
Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0215	Voice Major	3	
Music Studies	0331	Jazz Arranging I	3	
Music Studies	0334	Jazz Improvisation: Theory and Practice	2	
Music	0183	Jazz Ensemble	1	
Music	Varies	Ensemble	1	
Music	0123	Basic Conducting	1	
IH	X051	Intellectual Heritage	3	IA
Music Studies	0330	World Music	3	
Subtotal			17	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0216	Voice Major	3	
Music	0183	Jazz Ensemble	1	
Music	Varies	Ensemble	1	
Music Studies	0326	Jazz Style and Analysis	2	
Music	0124	Conducting Intermediate	1	
IH	X052	Intellectual Heritage	3	IB
Core	Elective	American Culture	3	AC
Subtotal			14	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0315	Voice Major	3	
Music	0183	Jazz Ensemble	1	
Music	Varies	Ensemble	1	
Music Studies	W260	Music in History	3	WI
Required Elective	Elective	*Music Technology Elective	3	
Core	Elective	International Studies	3	IS
Required Elective	Elective	Music Electives	2	
Subtotal			16	
Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0316	Voice Major	3	
Music	0183	Jazz Ensemble	1	
Music	Varies	Ensemble	1	
Music Studies	W261	Music in History	3	WI
Core	Elective	International Studies	3	IS
Required Elective	Elective	Music Electives	2	
Subtotal			13	
Degree Total			124	
*Music Technology Electives				
Music Studies	0321	Sound Recording (Fall)		
Music Studies	0335	Composing Music for Film (Fall)		
Music Studies	0346	MIDI (Fall)		
Music Studies	0316	Computer Music Synthesis (Spring)		
Music Studies	0329	Sound Editing (Spring)		

Theory

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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	0001, 0007 or 0013	Concentration	2	
Music	0005	Secondary Piano for Music Majors	1	
Music	0011	Voice Class	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	0041	Aural Theory I	2	
Music Studies	0045	Intro. to Music Theory and Lit	2	
English	R050	College Composition	3	RC
German	0051	Beginning German I	4	
Subtotal			16	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0002, 0008, or 0014	Concentration	2	
Music	0006	Secondary Piano for Music Majors	1	
Music	0012	Voice Class	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	0042	Aural Theory II	2	
Music Studies	C143	Theory I	3	AR
German	0052	Beginning German II	4	
Math	C055	College Math	3	QA
Subtotal			17	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0101, 0107, or 0113	Concentration	2	
Music	0105	Secondary Piano for Music Majors	1	
Music	0123	Basic Conducting	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	0141	Aural Theory III	2	
Music Studies	0144	Theory II	3	
Music Studies	0160	Music in History	2	
German	C061	Intermediate German I	3	IS
Subtotal			15	
Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0102, 0108 or 0114	Concentration	2	
Music	0106	Secondary Piano for Music Majors	1	
Music	0124	Conducting Intermediate	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	0142	Aural Theory IV	2	
Music Studies	C243	Theory III	3	QB
Music Studies	0161	Music in History	2	

German	0062	Intermediate German II	3	
Subtotal			15	
Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0201, 0207, or 0213	Concentration	2	
Music	0205	Secondary Piano for Music Majors	1	
Music Studies	W260	Music in History	3	WI
Music	0330 or 0331	Conducting	2	
Music Studies	0343	Counterpoint	2	
Music Studies	0270	Theory Seminar	2	
Music Studies	0242	Orchestration	2	
IH	X051	Intellectual Heritage	3	IA
Subtotal			17	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0202, 0208 or 0214	Concentration	2	
Music	0206	Secondary Piano for Music Majors	1	
Music Studies	W261	Music in History	3	WI
Music Studies	0241	Keyboard Harmony	3	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	0345	Analysis	2	
Music Studies	0342	Orchestration	2	
IH	X052	Intellectual Heritage	3	IB
Subtotal			17	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music Studies	0248	Junior Seminar I	2	
Music Studies	0330	World Music	3	
Music	Varies	Ensemble	1	
Music Studies	0270	Theory Seminar	2	
CORE	Elective	American Culture/Race	3	AC, RS
CORE	Elective	Science A	3	SA
CORE	Elective	Individual and Society	3	IN
Subtotal			17	
Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Studies	Elective	Theory/Comp Elective	2	
Music Studies	0249	Composition	2	
Required Elective	Elective	Music Elective	2	
Music Studies	W271	Theory Seminar	2	WI
Music Studies	Varies	Choral/Instrumental Ensemble	1	
Core	Elective	Science B	3	SB
Core	Elective	Arts	3	AR
Subtotal			15	
Degree Total				
			129	

Composition

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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	0001, 0007 or 0013	Concentration	2	
Music	0005	Secondary Piano for Music Majors	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	0041	Aural Theory I	2	
Music Studies	0045	Intro to Music Theory and Lit.	2	
English	R050	College Composition	3	RC
Core	0051	Foreign Language	4	
Subtotal			15	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0002, 0008 or 0014	Concentration	2	
Music	0006	Secondary Piano for Music Majors	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	0042	Aural Theory II	2	
Music Studies	C143	Theory I	3	AR
Core	0052	Foreign Language	4	IS
Math	C055	College Math	3	QA
Subtotal			16	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0101, 0107 or 0113	Concentration	2	
Music	0105	Secondary Piano for Music Majors	1	
Music	0123	Basic Conducting	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	0141	Aural Theory III	2	
Music Studies	0144	Theory II	3	
Music Studies	0160	Music in History	2	
Music Studies	0148	Music Composition I	2	
Physics	C067	Physics (Acoustics)	3	SA
Subtotal			17	
Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0102, 0108 or 0114	Concentration	2	
Music	0106	Secondary Piano for Music Majors	1	
Music	0124	Conducting Intermediate	1	
Music Studies	0142	Aural Theory IV	2	
Music Studies	C243	Theory III	3	QB
Music Studies	0161	Music in History	2	
Music Studies	0149	Music Composition	2	
Music Studies	C315	Computers in Musical Applications	3	SB
Subtotal			16	

Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0201, 0207 or 0213	Concentration	2	
Music	0205	Secondary Piano for Music Majors	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	W260	Music in History	3	WI
Music Studies	0248	Junior Seminar I	2	
Music Studies	0241	Keyboard Harmony	3	
Music Studies	0346	MIDI	3	
Music Studies	0242	Orchestration	2	
Subtotal			17	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0202, 0208 or 0214	Concentration	2	
Music	0206	Secondary Piano for Music Majors	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	W261	Music in History	3	WI
Music Studies	0343	Counterpoint	2	
Music Studies	0249	Junior Seminar II	2	
CORE	Elective	Arts	3	
Music Studies	0316	Computer Synthesis	3	
Subtotal			17	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	0348	Senior Seminar I	3	
General Elective	Elective	Elective	3	
Music Studies	0254	Contemporary Music	3	
IH	X051	Intellectual Heritage	3	IA
Music Studies	0330	World Music	3	
Subtotal			16	
Senior Year –2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Studies	0349	Senior Seminar II	3	
Music	0330 or 0331	Conducting	2	
IH	X052	Intellectual Heritage	3	IB
Core	Elective	American Culture/Race	3	AC, RS
Core	Elective	Individual and Society	3	IN
Subtotal			14	
Degree Total			128	

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

Major in Music History

Freshman Year – 1st Semester

Department	Course #	Course Name	Hours	RCI
Music	0001, 0007 or 0013	Instrumental Concentration	2	
Music	0005	Secondary Piano for Music Majors	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	0041	Aural Theory I	2	
Music Studies	0045	Intro to Music Theory and Lit.	2	
English	R050	College Composition	3	RC
Core	0051	Foreign Language	4	
Subtotal			15	

Freshman Year – 2nd Semester

Department	Course #	Course Name	Hours	RCI
Music	0002, 0008 or 0014	Instrumental Concentration	2	
Music	0006	Secondary Piano for Music Majors	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	0042	Aural Theory II	2	
Music Studies	C143	Theory I	3	AR
Music Studies	0330	World Music	3	
Core	0052	Foreign Language	4	
Subtotal			16	

Sophomore Year – 1st Semester

Department	Course #	Course Name	Hours	RCI
Music	0101, 0107 or 0113	Instrumental Concentration	2	
Music	0105	Secondary Piano for Music Majors	1	
Music	0123	Basic Conducting	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	0141	Aural Theory III	2	
Music Studies	0144	Theory II	3	
Music Studies	0160	Music in History	2	
Core	C061	Foreign Language	3	IS
Subtotal			15	

Sophomore Year – 2nd Semester

Department	Course #	Course Name	Hours	RCI
Music	0102, 0108 or 0114	Instrumental Concentration	2	
Music	0106	Secondary Piano for Music Majors	1	
Music	0124	Conducting Intermediate	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	0142	Aural Theory IV	2	
Music Studies	C243	Theory III	3	QB
Music Studies	0161	Music in History	2	
Core	0062	Foreign Language	3	
Subtotal			15	

Junior Year – 1st Semester

Department	Course #	Course Name	Hours	RCI
Music	0201, 0207 or 0213	Instrumental Concentration	2	
Music	0205	Secondary/Piano	1	
Music	Varies	Choral/Instrumental Ensemble	1	

Music Studies	0343	Counterpoint	2	
Music Studies	W260	Music in History	3	WI
English	Elective	Literature Elective	3	
Required Elective	Elective	*Music Elective	2	
IH	X051	Intellectual Heritage	3	IA
Subtotal			17	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0202, 0208 or 0214	Instrumental Concentration	2	
Music	0206	Secondary/Piano	1	
Music	Varies	Choral/Instrumental Ensemble	1	
Music Studies	W261	Music in History	3	WI
CORE	Elective	American Culture/Race	3	AC, RS
Math	C055	College Math	3	QA
IH	X052	Intellectual Heritage	3	IB
Subtotal			16	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0330 or 0331	Instrumental Concentration	2	
Music Studies	0397	Early Music Ensemble	1	
Music Studies	Elective	Music History	3	
Required Elective	Elective	*Music Elective	2	
Physics	C067	Physics (Acoustics)	3	SA
CORE	Elective	Individual and Society	3	IN
CORE	Elective	+Arts	3	AR
Subtotal			17	
Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Studies	0397	Early Music Ensemble	1	
Music Studies	0345	Analysis	2	
Music Studies	Elective	Music History	3	
Required Elective	Elective	*Music Elective	2	
Music Studies	0391	Independent Study	3	
Music Studies	C315	Computers in Musical Applications	3	SB
Subtotal			14	
Degree Total				125
+Art History strongly recommended.				
*Keyboard Harmony 0241 and Orchestration 0242 are recommended.				

Music Education

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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 course work, but will not be recommended for

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	0013	Voice Concentration	2	
Music	Varies	Choral Ensemble	1	
Music	0005	Secondary Piano	1	
Music Studies	0045	Intro. to Music Theory and Lit.	2	
Music Studies	0041	Aural Theory I	2	
Music Ed	0058	Guitar I	1	
English	R050	College Composition	3	RC
	0051	+Foreign Language	4	
Subtotal			16	
Freshman Year –2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0014	Voice Concentration	2	
Music	Varies	Choral Ensemble	1	
Music	0006	Secondary Piano	1	
Music Studies	0042	Aural Theory II	2	
Music Studies	C143	Theory I	3	AR
Music Ed	0052	Upper Strings	1	
Required Elective	0052	+Foreign Language	4	
Music Studies	0330	World Music	3	
Subtotal			17	
Sophomore Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0113	Voice Concentration	2	
Music	Varies	Choral Ensemble	1	
Music	0105	Secondary Piano	1	
Music Studies	0141	Aural Theory III	2	
Music Studies	0144	Theory II	3	
Music Studies	0160	Music in History	2	
Music	0025	English Diction	1	
Music	0123	Basic Conducting	1	
Music Ed	0050	Percussion	1	
Music Ed	0335	Mus. Learning Theory	3	
Subtotal			17	
Sophomore Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0114	Voice Concentration	2	
Music	Varies	Choral Ensemble	1	
Music	0106	Secondary Piano	1	
Music Studies	0142	Aural Theory IV	2	
Music Studies	C243	Theory III	3	QB
Music Studies	0161	Music in History	2	
Music Ed	W230	Teaching General Music	3	WI

Math	C055	College Math	3	QA
Subtotal			17	
Junior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0213	Voice	2	
Music	Varies	Choral Ensemble	1	
Music Studies	W260	Music in History	3	WI
Music	0332	Diction Skills	1	
Music	0124	Conducting Intermediate	1	
Music Ed	0340	Assessment of Music Learning Theory	2	
Physics	C067	#Physics (Acoustics)	3	SA
IH	X051	Intellectual Heritage	3	IA
Subtotal			16	
Junior Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0214	Voice Concentration	2	
Music	Varies	Choral Ensemble	1	
Music Ed	0245	Keyboard Harmony	3	
Music Studies	W261	Music in History	3	WI
Music	0333	Diction Skills	1	
Music	0330	Conducting Choral	2	
Music Ed	0051	Woodwinds I	1	
Music Ed	0054	Brass I	1	
Music Ed	0220	Teach. Music to Exceptional Children	2	
Subtotal			16	
Senior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	Varies	Choral Ensemble	1	
Music	0353	Teaching Choral Music	2	
Music Studies	C315	##Computers in Mus. Applications	3	SB
Music Ed	0310	Curricular Options Secondary Sch. Mus.	3	
Education	X060	Education and Schooling in America	3	AC, WI
IH	X052	Intellectual Heritage	3	IB
		Elective	1	
Subtotal			16	
Senior Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music Ed	0341, 0351, 0352	Student Teaching	8	
Psych	C060	Psychology as a Social Science	3	IN
Subtotal			11	
Degree Total			126	

+ This program requires two semesters of foreign language study. If the 61 level has been met by the language placement exam, then one year of another language must be taken. Options include German, French, and Italian.

See current Schedule of Classes for additional first level science courses. Acoustics C067, however, is strongly recommended. Acoustics C067 is a prerequisite for Computers in Music Applications C315, another strongly recommended course for music education majors.

See current Schedule of Classes for additional approved second-level science core course. Computers in Music Applications, however, is strongly recommended for music education majors.

Music Education, Piano Concentration

Bachelor of Music: Music Education

Piano Concentration

Freshman Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0007	Piano Concentration	2	
Music	Varies	Choral Ensemble	1	
Music Studies	0045	Intro. Music Theory & Lit.	2	
Music Studies	0041	Aural Theory I	2	
Music Ed	0335	Music Learning Theory	3	
English	R050	College Composition	3	RC
Music Studies	0330	World Music	3	
Subtotal			16	
Freshman Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0008	Piano Concentration	2	
Music	Varies	Choral Ensemble	1	
Music Studies	0042	Aural Theory II	2	
Music Studies	C143	Theory I	3	AR
Music	0025	English Diction	1	
Music Ed	0054	Brass I	1	
Music Ed	0052	Upper Strings	1	
Math	C055	College Math	3	QA
IH	X051	Intellectual Heritage	3	IA
Subtotal			17	
Sophomore Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0107	Piano	2	
Music	Varies	Choral Ensemble	1	
Music	0011	Voice Class	1	
Music Studies	0141	Aural Theory III	2	
Music Studies	0144	Theory II	3	
Music Studies	0160	Music in History	2	
Music	0123	Basic Conducting	1	
Music Ed	0058	Guitar I	1	
Music	0332	Diction Skills	1	
IH	X052	Intellectual Heritage	3	IB
Subtotal			17	
Sophomore Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0108	Piano	2	
Music	Varies	Choral Ensemble	1	
Music	0012	Voice Class	1	
Music Studies	0142	Aural Theory IV	2	
Music Studies	C243	Theory III	3	QB
Music Studies	0161	Music in History	2	
Music	0124	Conducting Intermediate	1	
Music	0333	Diction Skills	1	
Music Ed	W230	Teaching General Music	3	WI
Subtotal			16	
Junior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI

Music	0207	Piano Concentration	2	
Music	Varies	Choral Ensemble	1	
Music	0111	Voice Class	1	
Music Studies	W260	Music in History	3	WI
Music	0330 or 0331	Conducting	2	
Music Ed	0340	Assessment of Music Learning Theory	2	
Education	X060	Education and Schooling in America	3	AC
Physics	C067*	Physics (Acoustics)	3	SA
Subtotal			17	

Junior Year – 2nd semester

Department	Course #	Course Name	Hours	RCI
Music	0208	Piano Concentration	2	
Music	Varies	Choral Ensemble	1	
Music	0112	Voice Class	1	
Music Ed	0050	Percussion	1	
Music Ed	0051	Woodwinds I	1	
Music Ed	0245	Keyboard Harmony	3	
Music Studies	W261	Music in History	3	WI
Music Studies	C315	**Computers in Musical Applications	3	SB
Music Ed	0220	Teaching Music Exceptional Children	2	
Subtotal			17	

Senior Year – 1st semester

Department	Course #	Course Name	Hours	RCI
Music	Varies	Choral Ensemble	1	
Music	0028	Accomp. and Piano Ens.	1	
Required Electives		Music Elective	3	
Music	0353	Teaching Choral Music	2	
Music Ed	0310	Curr. Options Secondary School Music	3	
Psych	C060	Psychology as a Social Science	3	IN
Core	Elective	#Foreign Language/International Studies	4/3	IS
Subtotal			16/17	

Senior Year – 2nd semester

Department	Course #	Course Name	Hours	RCI
Music Ed	0341, 0351, 0352	Student Teaching	8	
Core	Elective	#Foreign Language/International Studies	4/3	IS
Subtotal			11/12	
Degree Total			127/129	

* See Core Curriculum for additional first level course. Acoustic C067, however, is strongly recommended. Acoustics C067 is a prerequisite for Computers in Music Applications C315, another strongly recommended course for music education majors.

** See current Core Curriculum for additional approved second level science Core courses. Computers in Music Applications C315, however, is strongly recommended for music education majors.

Music Education, Instrumental Concentration

Bachelor of Music: Music Education

Instrumental Concentration

Freshman Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0001	Instrumental Concentration	2	
Music	Varies	+Instrumental Ensemble	1	
Music	Varies	Choral Ensemble	1	

Music	0005	Secondary Piano	1	
Music Studies	0045	Intro. Music Theory & Lit.	2	
Music Studies	0041	Aural Theory I	2	
Music Ed	0054	Brass I	1	
English	R050	College Composition	3	RC
Math	C055	College Math	3	QA
Subtotal			16	
Freshman Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0002	Instrumental Concentration	2	
Music	Varies	+Instrumental Ensemble	1	
Music	Varies	Choral Ensemble	1	
Music	0006	Secondary Piano	1	
Music Studies	0042	Aural Theory II	2	
Music Studies	C143	Theory I	3	AR
Music Ed	0056	Brass II	1	
Music Ed	0335	Music Learning Theory	3	
Music Studies	0330	World Music	3	
Subtotal			17	
Sophomore Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0101	Instrumental Concentration	2	
Music	Varies	+Instrumental Ensemble	1	
Music	0105	Secondary Piano	1	
Music	0011	Voice Class	1	
Music Studies	0141	Aural Theory III	2	
Music Studies	0144	Theory II	3	
Music Studies	0160	Music in History	2	
Music Ed	0052	++Upper Strings	1	
Music Ed	W230	Teaching General Music	3	WI
Subtotal			16	
Sophomore Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0102	Instrumental Concentration	2	
Music	Varies	+Instrumental Ensemble	1	
Music	0106	Secondary Piano	1	
Music	0012	Voice Class	1	
Music Studies	0142	Aural Theory IV	2	
Music Studies	C243	Theory III	3	QB
Music Studies	0161	Music in History	2	
Music	0123	Basic Conducting	1	
Music Ed	0053	++Lower Strings	1	
IH	X051	Intellectual Heritage	3	IA
Subtotal			17	
Junior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0201	Instrumental Concentration	2	
Music	Varies	Instrumental Ensemble	1	
Music Ed	0245	Keyboard Harmony	3	
Music	0124	Conducting Intermediate	1	
Music Studies	W260	Music in History	3	WI
Music Ed	0051	Woodwinds I	1	
Music Ed	0057	Woodwinds II	1	
Music Ed	0220	Teach. Mus. Exceptional Children	2	
Physics	C067	*Physics (Acoustics)	3	SA

Subtotal			17	
Junior Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0202	Instrumental Concentration	2	
Music	Varies	Instrumental Ensemble	1	
Music	0331	Conducting (Instrumental)	2	
Music Studies	W261	Music in History	3	WI
Music Ed	0050	Percussion	1	
Music Ed	0350	Teaching Instrumental Music	3	
Music Ed	0310	Curricular Options in Secondary School Music	3	
Music Ed	0340	Assessment of Mus. Learning	2	
Subtotal			17	
Senior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music Ed	0341, 0351, 0352	Student Teaching	8	
Psych	C060	Psychology	3	IN
Subtotal			11	
Senior Year - 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	Varies	Instrumental Ensemble	1	
Music Studies	C315	**Computers in Musical Applications	3	SB
Education	X060	Education and Schooling in America	3	AC
IH	X052	Intellectual Heritage	3	IB
Core	Elective	#International Studies	3	IS
Core	Elective	#International Studies	3	IS
Subtotal			16	
Degree Total			127	

+ 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.

++ Violin and viola concentrations may substitute Music 0392.

* See Core Curriculum for additional first level science courses. Acoustics C067, however, is strongly recommended. Acoustics C067 is a prerequisite for Computers in Music Applications C315, another strongly recommended course for education majors.

** See Core Curriculum for additional approved second level science Core courses. Computers in Music Applications C315, however, is strongly recommended for music education majors.

Must be approved Core courses. At least one course must be in non-Western or Third World studies.

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	0007	Piano Concentration	2	
Music	Varies	%Ensemble	1	
Music Studies	0045	Intro. to Music Theory and Lit.	2	

Music Studies	0031	Aural Skills	2	
Music Studies	0132	History of Pop	3	
Music Ed	0335	Music Learning Theory	3	
English	R050	College Composition	3	RC
Subtotal			16	
Freshman Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0008	Piano	2	
Music	Varies	%Ensemble	1	
Music Studies	0032	Aural Skills	2	
Music Studies	0153	Theory Harmony I (Jazz)	3	
Music Ed	0054	Brass I	1	
Music Ed	0052	Upper Strings	1	
Music Studies	0330	World Music	3	
Math	C055	College Math	3	QA
Subtotal			16	
Sophomore Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0107	Piano Concentration	2	
Music	0011	Voice Class	1	
Music	0025	English Diction	1	
Music Studies	0154	Theory Harmony II (Jazz)	3	
Music	Varies	%Ensemble	1	
Music	0123	Basic Conducting	1	
Music Studies	0160	Music in History	2	
Music Ed	0058	Guitar I	1	
Music Ed	0050	Percussion	1	
IH	X051	Intellectual Heritage	3	IA
Subtotal			16	
Sophomore Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0108	Piano Concentration	2	
Music	0012	Voice Class	1	
Music Studies	C143	Theory I (Traditional)	3	AR
Music	Varies	%Ensemble	1	
Required Electives		Jazz Electives	3	
Music	0124	Conducting Intermediate	1	
Music Studies	0161	Music in History	2	
Music Ed	W230	Teaching General Music	3	WI
Subtotal			16	
Junior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0201	Piano Concentration	2	
Music Studies	0331	Jazz Arranging I	3	
Music	0111	Voice Class	1	
Music	Varies	%Ensemble	1	
Music	0330 or 0331	Conducting	2	
Music Studies	W260	Music in History	3	WI
Music Ed	0220	Teaching. Mus. to Exceptional Children	2	
Physics	C067	+Physics (Acoustics)	3	SA
Subtotal			17	
Junior Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0202	Piano Concentration	2	

Music Studies	0144	Theory II (Traditional)	3	
Music Studies	0333	Jazz Improvisation: Theory and Practice	2	
Music Studies	0138	History of Jazz	3	
Music	0112	Voice Class	1	
Music	Varies	%Ensemble	1	
Music Studies	W261	Music in History	3	WI
Music Ed	0051	Woodwinds I	1	
Subtotal			16	

Fourth Senior Year – 1st semester

Department	Course #	Course Name	Hours	RCI
Music	0301	Instrumental Concentration	2	
Music	Varies	%Ensemble	1	
Music Studies	C243	Theory III (Jazz or Traditional)	3	QB
Music Studies	0242	Orchestration	2	
Music Studies	0318	Business of Music I	2	
Music Technology		Elective	3	
Music Ed	0340	Assessment of Music Learning	2	
Music	0353	Teaching Choral Music	2	
Subtotal			17	

Fourth Senior Year – 2nd semester

Department	Course #	Course Name	Hours	RCI
Music	0302	Instrumental Concentration	2	
Music	Varies	%Ensemble	1	
Music	0028	Accomp. and Piano Ensemble	1	
Music Studies	0343	Counterpoint	2	
Music Ed	0245	Keyboard Harmony	3	
Required Electives		Jazz Electives	4	
Music Studies	C315	Computers in Musical Applications	3	SB
		Senior Project	0	
Subtotal			16	

Fifth Year Senior – 1st semester

Department	Course #	Course Name	Hours	RCI
Music	Varies	%Ensemble	1	
Music Ed	0310	Curricular Opt. Secondary School Music	3	
IH	X052	Intellectual Heritage	3	IB
Psych	C060	Psychology as a Social Science	3	IN
Education	X060	Education and Schooling in America	3	AC
Core	Elective	Foreign Language/International Studies	4/3	IS
Subtotal			17/16	

Fifth Year Senior – 2nd semester

Department	Course #	Course Name	Hours	RCI
Music Ed	0341, 0351, 0352	Student Teaching	8	
CORE	Elective	%%Foreign Language/International Studies	4/3	IS
Subtotal			12/11	

Degree Total

			157/159	
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Music Technology Electives

Music Studies	0321	Sound Recording (Fall)		
Music Studies	0335	Composing Music for Film (Fall)		
Music Studies	0346	MIDI (Fall)		
Music Studies	0316	Computer Music Synthesis (Spring)		
Music Studies	3029	Sound Editing (Spring)		

+ See Core Curriculum for additional first level course. Acoustics C067, however, is strongly recommended. Acoustics C067 is a prerequisite for Computers in Music Applications C315, another strongly recommended course for music education majors.

% Nine semesters of ensembles are required; 4 semester credit hours must be earned in traditional ensembles and 4 semester hours must be earned in jazz ensembles. A mixture of vocal and instrumental ensembles is recommended.

%% Must be approved Core courses. At least one course must be in non-Western or Third World studies.

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	0001	Instrumental Concentration	2	
Music	Varies	+Instrumental Ensemble	1	
Music	0005	Secondary Piano	1	
Music Studies	0045	Intro. Music Theory & Lit.	2	
Music Studies	0031	Aural Skills	2	
Music Ed	0054	Brass I	1	
Music Ed	0052	Upper Strings	1	
Math	C055	College Math	3	QA
English	R050	College Composition	3	RC
Subtotal			16	
Freshman Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0002	Instrumental Concentration	2	
Music	Varies	+Instrumental Ensemble	1	
Music	0006	Jazz Secondary Piano	1	
Music Studies	0032	Aural Skills	2	
Music Studies	0153	Theory (Jazz) Harmony I	3	
Music Ed	0335	Music Learning Theory	3	
Music Studies	0330	World Music	3	
Music Ed	0053	Lower Strings	1	
Subtotal			16	
Sophomore Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0101	Instrumental Concentration	2	
Music	0105	Jazz Secondary Piano	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0154	Theory (Jazz) Harmony II	3	
Music	Varies	+Instrumental Ensemble	1	
Music	0123	Basic Conducting	1	
Music Studies	0160	Music in History	2	
Music Ed	0051	Woodwinds I	1	
Music	0011	Voice Class	1	
IH	X051	Intellectual Heritage	3	IA
Subtotal			16	
Sophomore Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0102	Instrumental Concentration	2	
Music	0106	Jazz Secondary Piano	1	
Music	Varies	Choral Ensemble	1	
Music Studies	C143	Theory I (Traditional)	3	AR
Music	Varies	+Instrumental Ensemble	1	

Music	0124	Conducting Intermediate	1	
Music Studies	0161	Music in History	2	
Music	0012	Voice Class	1	
Music Ed	0220	Teach. Mus. Exceptional Children	2	
Music Ed	0340	Assessment of Music Learning	2	
Subtotal			16	
Junior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0201	Instrumental Concentration	2	
Music Studies	0144	Theory II (Traditional)	3	
Music Studies	0242	Orchestration	2	
Music	Varies	+Instrumental Ensemble	1	
Music	0331	Conducting (Instrumental)	2	
Music Studies	W260	Music in History	3	WI
Music Ed	0057	Woodwinds II	1	
Music Ed	W230	Teaching General Music	3	WI
Subtotal			17	
Junior Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0202	Instrumental Concentration	2	
Music Studies	0333	Jazz Improvisation: Theory and Practice	2	
Music	Varies	+Instrumental Ensemble	1	
Music Studies	W261	Music in History	3	WI
Music Studies	0331	Jazz Arranging I	3	
Music Ed	0050	Percussion	1	
Music Ed	0056	Brass II	1	
Music Ed	0310	Curricular Opt. Secondary School Mus.	3	
Subtotal			16	
Fourth Year Senior – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0301	Instrumental Concentration	2	
Music	Varies	+Instrumental Ensemble	1	
Music Studies	0343	Counterpoint	2	
Music Studies	0132	History of Pop	3	
Music Studies	0318	Business of Music I	2	
Required Elective		Music Technology Elective	3	
Required Elective		Jazz Elective	1	
Physics	C067	*Physics (Acoustics)	3	SA
Subtotal			17	
Fourth Year Senior – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0302	Instrumental Concentration	2	
Music	Varies	+Instrumental Ensemble	1	
Music Ed	0245	Keyboard Harmony	3	
Music Studies	C243	Theory III (Jazz or Traditional)	3	QB
Music Ed	0350	Teaching Instrumental Music	3	
Music Studies	0138	History of Jazz	3	
Required Elective		Jazz Elective	2	
		Senior Project	0	
Subtotal			17	
Fifth Year Senior – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music Ed	0341, 0351,	Student Teaching	8	

	0352			
Psych	C060	Psychology	3	IN
Subtotal			11	
Fifth Year Senior – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	Varies	+Instrumental Ensemble	1	
Education	X060	Edu. Schooling and Ind. in U.S. Society	3	AC
IH	X052	Intellectual Heritage	3	IB
CORE	Elective	International Studies	3	IS
CORE	Elective	***International Studies	3	IS
Music Studies	C315	**Computers in Musical Applications	3	SB
Subtotal			16	
Degree Total			158	
Music Technology Electives				
Music Studies	0321	Sound Recording (Fall)		
Music Studies	0335	Composing Music for Film (Fall)		
Music Studies	0346	MIDI (Fall)		
Music Studies	0316	Computer Music Synthesis (Spring)		
Music Studies	3029	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 nine semesters of instrumental ensembles are required; four credit hours must be earned in traditional instrumental ensembles and four credit hours must be earned in jazz instrumental ensembles. The ninth may be in either.

* See Core Curriculum for additional first level science courses. Acoustics C067, however, is strongly recommended. Acoustics C067 is a prerequisite for Computers in Music Applications C315, another strongly recommended course for music education majors.

** See the Core Section of this *Bulletin* to see other approved second level science Core Courses. Computers in Music Applications C315, however, is strongly recommended for music education majors.

*** Must be approved core course. At least one course must be in non-Western or Third World studies.

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	0013	Voice Concentration	2	
Music	0005	Secondary Piano	1	
Music Studies	0045	Intro. Music Theory & Lit.	2	
Music Studies	0031	Aural Skills	2	
Music		%Choral Ensemble	1	
Music Ed	0335	Music Learning Theory	3	
English	R050	College Composition	3	RC
Math	C055	College Math	3	QA
Subtotal			17	
Freshman Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0014	Voice Concentration	2	
Music	0006	Jazz Secondary Piano	1	
Music Studies	0032	Aural Skills	2	
Music Studies	0153	Theory Harmony I (Jazz)	3	
Music	Varies	%Choral Ensemble	1	

Music Ed	0054	Brass I	1	
Music Studies	0330	World Music	3	
Psych	C060	Psychology as a Social Science	3	IN
Subtotal			16	
Sophomore Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0113	Voice Concentration	2	
Music	0105	Jazz Secondary Piano	1	
Music	Varies	%Choral Ensemble	1	
Music Studies	0154	Theory Harmony II (Jazz)	3	
Music	0123	Basic Conducting	1	
Music	0025	English Diction	1	
IH	X051	Intellectual Heritage	3	IA
Required Elective	0051	+Foreign Language	4	IS
Subtotal			16	
Sophomore Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0114	Voice Concentration	2	
Music	0106	Jazz Secondary Piano	1	
Music Studies	C143	Theory I (Traditional)	3	AR
Music	Varies	%Choral Ensemble	1	
Music	0124	Conducting Intermediate	1	
Music Ed	W230	Teaching General Music	3	WI
Music Ed	0052	Upper Strings	1	
Required Elective	0052	+Foreign Language	4	IS
Subtotal			16	
Junior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0213	Voice	2	
Music	0332	Diction Skills	1	
Music Studies	0160	Music in History	2	
Music Studies	0331	Jazz Arranging I	3	
Music	Varies	%Choral Ensemble	1	
Music	0330	Conducting Choral	2	
Music Ed	0050	Percussion	1	
Music Ed	0058	Guitar I	1	
Physics	C067	#Physics (Acoustics)	3	SA
Subtotal			16	
Junior Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0214	Voice Concentration	2	
Music	0333	Diction Skills	1	
Music Studies	0144	Theory II (Traditional)	3	
Music Studies	0161	Music in History	2	
Music Studies	0333	Jazz Improvisation: Theory and Practice	2	
Required Electives		Jazz Electives	2	
Music	Varies	%Choral Ensemble	1	
Music Ed	0220	Teach Music to Exceptional Children	2	
Music Ed	0051	Woodwinds I	1	
Subtotal			16	
Fourth Year Senior – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0313	Voice Concentration	2	
Music	Varies	%Choral Ensemble	1	

Music Studies	W260	Music in History	3	WI
Music Studies	0132	History of Pop	3	
Music Studies	0318	Business of Music I	2	
Music Technology		Elective	3	
Required Electives		Jazz Electives	3	
Subtotal			17	
Fourth Year Senior – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0314	Voice Concentration	2	
Music	Varies	%Choral Ensemble	1	
Music Ed	0245	Keyboard Harmony	3	
Music Studies	W261	Music in History	3	WI
Music Studies	C243	Theory III	3	QB
Music Studies	0343	Counterpoint	2	
Music Studies	0138	History of Jazz	3	
		Senior Project	0	
Subtotal			17	
Fifth Year Senior – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	Varies	%Choral Ensemble	1	
Required Elective		Jazz Elective	2	
Music Ed	0310	Curricular Opt. Secondary School Mus.	3	
Music	0353	Teaching Choral Music	2	
Music Ed	0340	Assessment of Musical Learning	2	
Education	X060	Education and Schooling in America	3	AC
Music Studies	C315	##Computers in Mus. Applications	3	SB
Subtotal			16	
Fifth Year Senior – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music Ed	0341, 0351, 0352	Student Teaching	8	
IH	X052	Intellectual Heritage	3	IB
Subtotal			11	
Degree Total			158	
Music Technology Electives				
Music Studies	0321	Sound Recording (Fall)		
Music Studies	0335	Composing Music for Film (Fall)		
Music Studies	0346	MIDI (Fall)		
Music Studies	0316	Computer Music Synthesis (Spring)		
Music Studies	3029	Sound Editing (Spring)		

% Nine semesters of vocal ensembles are required; six must be earned in traditional vocal ensembles and three must be earned in jazz vocal ensembles.

+ This program requires two semesters of Foreign Language study. If the C61 level has been met by the Language placement exam, then one year of another language must be taken.

See current Schedule of Classes for additional first level science courses. Acoustics C067, however, is strongly recommended. Acoustics C067 is a prerequisite for Computers in Music Applications C315, another strongly recommended course for education majors.

See current Schedule of Classes for additional approved second level science core courses. Computers in Music Applications C315, however, is strongly recommended for music education majors.

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	0001	Instrumental Concentration	2	
Music	0005	Secondary Piano	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0041	Aural Theory I	2	
Music Studies	0045	Intro. Music Theory and Lit	2	
Music	Varies	+Instrumental Ensemble	1	
Music Ed	0054	Brass I	1	
English	R050	College Composition	3	RC
Music Studies	0330	World Music	3	
Subtotal			16	
Freshman Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0002	Instrumental Concentration	2	
Music	0006	Secondary Piano	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0042	Aural Theory II	2	
Music Studies	C143	Theory I	3	AR
Music	Varies	+Instrumental Ensemble	1	
Music Ed	0056	Brass II	1	
Music Ed	0335	Music Learning Theory	3	
Music Ed	0331	Tech. for Ed. and Music (MT)	3	
Subtotal			17	
Sophomore Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0101	Instrumental Concentration	2	
Music	0105	Secondary Piano	1	
Music Studies	0160	Music in History	2	
Music Studies	0141	Aural Theory III	2	
Music Studies	0144	Theory II	3	
Music	Varies	+Instrumental Ensemble	1	
Music	0123	Basic Conducting	1	
Music Ed	0052	Upper Strings	1	
Math	C055	College Math	3	QA
Music	0011	Voice Class	1	
Subtotal			17	
Sophomore Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0102	Instrumental Concentration	2	
Music	0106	Secondary Piano	1	
Music Studies	0161	Music in History	2	
Music Studies	0142	Aural Theory IV	2	
Music Studies	C243	Theory III	3	QB
Music	Varies	+Instrumental Ensemble	1	
Music	0124	Conducting Intermediate	1	
Music Ed	0053	Lower Strings	1	
Music Studies	0321	Sound Recording (MT)	3	
Music	0012	Voice Class	1	
Subtotal			17	

Junior Year – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	0201	Instrumental Concentration	2	
Music	Varies	Instrumental Ensemble	1	
Music	0331	Conducting (Instrumental)	2	
Music Studies	W260	Music in History	3	WI
Music Ed	W230	Teaching Gen. Music	3	WI
Physics	C067	Physics (Acoustics)	3	SA
Music Ed	0051	Woodwinds I	1	
Music Ed	0220	Teach Mus. Exceptional Children	2	
Subtotal			17	
Junior Year – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	0202	Instrumental Concentration	2	
Music	Varies	Instrumental Ensemble	1	
Music Studies	W261	Music in History	3	WI
Music Ed	0057	Woodwinds II	1	
Psych	C060	Psychology as a Social Science	3	IN
Core	Elective	%International Studies	3	IS
Music Studies	C315	Computers in Mus. Applications	3	SB
Subtotal			16	
Fourth Year Senior – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	Varies	Instrumental Ensemble	1	
Core	Elective	%International Studies	3	IS
Music Ed	0245	Keyboard Harmony	3	
Education	X060	Education and Schooling in America	3	AC
Music Studies	0316	Computer Syn. of Mus.	3	
Music Studies	0335	Comp. Mus. for Film (MT)	3	
Subtotal			16	
Fourth Year Senior – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music	Varies	Instrumental Ensemble	1	
Music Ed	0340	Assessment Mus. Learning	2	
Music Ed	0310	Curricular Options Secondary School Music	3	
Music Ed	0350	Teaching Instrumental Music	3	
Music Ed	0050	Percussion	1	
BTMM	0275	Intermediate Digital Audio	4	
Music Ed	0332	Interactive Multimedia (MT)	3	
Subtotal			17	
Fifth Year Senior – 1st semester				
Department	Course #	Course Name	Hours	RCI
Music	Varies	Instrumental Ensemble	1	
IH	X051	Intellectual Heritage	3	IA
		Independent Study (MT)	3	
Music Ed	0333	Interact. Multimedia II (MT)	3	
Music Studies	0346	MIDI (MT)	3	
Music Studies	0347	Computer Mus. Studio (MT)	2	
Subtotal			15	
Fifth Year Senior – 2nd semester				
Department	Course #	Course Name	Hours	RCI
Music Ed	0341, 0351,	Student Teaching	8	

	0352			
IH	X052	Intellectual Heritage	3	IB
Subtotal			11	
Degree Total			159	

+ 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 the freshman and sophomore years.

% One International Studies course must be a non-Western or Third World course.

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

Darlene Brooks, Coordinator of Undergraduate Programs

215-204-8340

dmbrooks@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		Performance Concentration	2	
Music	0005	Secondary Piano	1	
Music	0011	*Voice Class	1	
Music Studies	0132	History of Pop	3	
Music Ed	0058	*Guitar I	1	
Music	Varies	Ensemble	1	
Music Studies	0045	Intro. to Mus. Theory and Lit.	2	
Music Studies	0041	Aural Theory I	2	
English	R050	College Composition	3	RC
Subtotal			16	
Freshman Year - 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music		Performance Concentration	2	
Music Studies	0006	Jazz Piano	1	
Music	0012	*Voice Class	1	
Music Ed	0058	*Guitar I	1	
Music	Varies	Ensemble	1	
Music Studies	0042	Aural Theory II	2	
Music Studies	C143	Theory I	3	AR
Psych	C060	Psychology as a Social Science	3	IN
Music Studies	0330	World Music	3	
Subtotal			17	
Sophomore Year - 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music		Concentration	2	
Music Studies	0105	*Jazz Secondary Piano	1	
Music Ed	0267	*Functional Guitar	1	

Music Ed	0247	Functional Voice	1	
Music	Varies	Ensemble	1	
Music Studies	0141	Aural Theory III	2	
Music Studies	0144	Theory II	3	
Music Ed	0354	Music Therapy Overview	3	
Math	C055	College Math	3	QA
Subtotal			17	
Sophomore Year - 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music		Concentration	2	
Music Studies	0106	*Jazz Secondary Piano	1	
Music Ed	0268	*Functional Guitar	1	
Music Ed	0248	Functional Voice	1	
Music	Varies	Ensemble	1	
Music Studies	0142	Aural Theory IV	2	
Music Studies	C243	Theory III	3	QB
Music Studies	0161	Music History	2	
Music Ed	0370	Psychiatric Music Therapy	3	
Subtotal			16	
Junior Year - 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music Ed	0257	*Functional Piano	1	
Music	0123	Basic Conducting	1	
Music Studies	W260	Music in History	3	WI
Music Ed	0371	Rehabilitative Music Therapy	3	
Music Ed	0362	*MT Clinical Training	2	
IH	X051	Intellectual Heritage	3	IA
Physics	C067	Physics (Acoustics)	3	SA
Subtotal			16	
Junior Year - 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Ed	0258	*Functional Piano	1	
Music	0124	Conducting Intermediate	1	
Music Studies	W261	Music in History	3	WI
Music Ed	0372	Developmental Music Therapy	3	
Music Ed	0362	*MT Clinical Training	2	
IH	X052	Intellectual Heritage	3	IB
Music Studies	C315	Computers in Musical Applications	3	SB
Subtotal			16	
Senior Year - 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0205	Jazz Secondary Piano	1	
Music Ed	0373	Medical Music Therapy	3	
Music Ed	0362	MT Clinical Training*	2	
Kinesiology	C100	Human Anatomy and Physiology I	4	
Psych	0131	Developmental Psychology	3	
Core	Elective	Language or International Studies (Relig X053)	3	IS
Subtotal			16	
Senior Year - 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Ed	0365	Music Therapy Foundations	3	
Music Ed	W364	Music Therapy Research	3	WI
Music Ed	0374	Music Therapy Ethics	2	
Psych	0150	Psychopathology	3	

Core	Elective	Language or International Studies (Anthro C061)	3	IS
Sociology	R064	American Ethnicity	3	AC, RS
Subtotal			17	
5th Year - Senior Internship				
Music Ed		MT Clinical Training*	1-6	
Subtotal			1-6	
Degree Total				
			132-137	

*NOTES

Voice Concentrations

- In lieu of Voice 0011-0012 (2 s.h.), classical singers must take History of Jazz 0138 (3 s.h.); jazz singers must take Commercial Arranging 0331 (3 s.h.).
- Classical and jazz singers must take Functional Voice 0247-0248 unless waived by examination.

Piano Concentrations

- In lieu of Secondary Piano 0005, 0006, 0105 (3 s.h.), classical pianists must take History of Jazz 0138 (3 s.h.); jazz pianists must take Commercial Arranging 0331 (3 s.h.).
- In lieu of Secondary Piano 0105, 0106, 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 Functional Piano 0257-0258 unless waived upon examination by instructor.

Guitar Concentrations

- In lieu of Guitar 0058, 0059 (2 s.h.), classical guitarists must take History of Jazz 0138 (3 s.h.), jazz guitarists must take Arranging 0330 (3 s.h.).
- Both classical and jazz guitarists must take Functional Guitar 0267-0268 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
Janet Yamron, Associate Dean
215-204-8301
iyamron@temple.edu

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 (215-204-8301) at the Boyer College of Music.

Bachelor of Science in Music Major

Freshman Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0005	Secondary Piano for Music Majors	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0041	Aural Theory I	2	
Music Studies	0045	Intro to Music Theory and Lit	2	
English	R050	College Composition	3	RC
Core	Elective	Individual and Society	3	IN
Related Arts	Elective	Elective	3	
Subtotal			15	
Freshman Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0006	Secondary Piano for Music Majors	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0042	Aural Theory II	2	
Music Studies	C143	Theory I	3	AR
IH	X051	Intellectual Heritage	3	IA
Math	C055	College Math	3	QA
Music Studies	0330	World Music	3	
Subtotal			16	
Sophomore Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	0105	Secondary Piano for Music Majors	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0141	Aural Theory III	2	
Music Studies	0144	Theory II	3	
Music Studies	0160	Music in History	2	
Core	0051	Foreign Language	4	
Physics	C067	Physics (Acoustics)	3	SA
Subtotal			16	
Sophomore Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music	0106	Secondary Piano for Music Majors	1	
Music	Varies	Choral Ensemble	1	
Music Studies	0142	Aural Theory IV	2	
Music Studies	C243	Theory III	3	QB
Music Studies	0161	Music in History	2	
Core	0052	Foreign Language	4	
IH	X052	Intellectual Heritage	3	IB
Subtotal			16	
Junior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	Varies	Choral Ensemble	1	
Music	0123	Basic Conducting	1	
Music Studies	W260	Music in History	3	WI
Music Studies	0242	Orchestration	2	
Core	C061	Foreign Language	3	IS
Core	Elective	American Culture/Race	3	AC, RS
Core	Elective	Academic Elective	3	
Subtotal			16	
Junior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI

Music	Varies	Choral Ensemble	1	
Music	0124	Conducting Intermediate	1	
Music Studies	0343	Counterpoint	2	
Music Studies	W261	Music in History	3	WI
Music Studies	0241	Keyboard Harmony	3	
Foreign Language	0062	Elective	3	
Music Studies	C315	Science B/Computers in Mus. Appl.	3	SB
Subtotal			16	
Senior Year – 1st Semester				
Department	Course #	Course Name	Hours	RCI
Music	Varies	Choral Ensemble	1	
Music	0330	Conducting Choral	2	
Music Studies	0132 or 0138	History American Pop/Jazz	3	
Music Studies	C086	Music in American Society	3	AC
Required Elective		Music Elective	3	
General Elective		Academic Elective	3	
Subtotal			15	
Senior Year – 2nd Semester				
Department	Course #	Course Name	Hours	RCI
Music Studies	0345	Analysis	2	
Required Elective		Music Electives	5	
Required Elective		Music Elective	2	
Required Elective		Music Elective	2	
General Elective		Academic Elective	3	
Subtotal			14	
Degree Total			124	

Department of Dance General Information

Founded 1974

Dr. Robert T. Stroker, Dean
 Temple University Department of Dance
 1700 North Broad Street
 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 Core. 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

Professor Philip Grosser
Dance Departmental Advisor
1700 N. Broad St. Room 309
215-204-1942
pgrosser@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 successfully continue 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.

The following courses must be completed:

1. Dance 0010: Movement Sources and Concepts
2. Dance 0174: Freshman Repertory
3. Dance 0070: Movement Improvisation
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 verbally articulate 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 of improvising in groups. Students will be able to generate movement material which both explores and expands their expressive range as dancers.

Creative Engagement:

1. Students must participate in one student performance or audition one finished work for the student concert;
2. Students must demonstrate consistent attendance, focus, intellectual curiosity, and openness to new approaches, as reflected in faculty evaluations of student course work;
3. Students must demonstrate receptivity to feedback and in-class evaluation from instructors, and apply this information in subsequent work; and,
4. 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 0072: Dance Composition I
2. Dance 0073: Dance Composition II
3. W315: Dance Modernism and W316: Dance Post-modernism or two other dance theory courses.
4. At least 4 more modern technique classes. (Note: By the end of the second year, students must minimally be ready to enter Modern Dance Level III.)
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 course work;
- 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 St. Room 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.

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. Kariamua Welsh
1700 N. Broad St. Room 309
215-204-6260
kariamua@temple.edu

Dance Admissions

1700 N. Broad St. Room 309
215-204-5169
danceadm@temple.edu

Department Secretary

Cheryl Cummings
1700 N. Broad St. Room 309
215-204-6279
cherylc@temple.edu

Technical Director/Conwell Dance Theater

Nanette Hudson Joyce
1700 N. Broad St. Room 309
215-204-6177
njoyce@temple.edu

Office Manager

Lynne Schaefer
1700 N. Broad St. Room 309
215-204-0533
lynne.schaefer@temple.edu

Dance Description

Kariamuwelsh, Chairperson
Philip Grosser, Undergraduate Coordinator
1700 N. Broad St., Suite 309
215-204-1942
pgrosser@temple.edu
www.temple.edu/boyer/dance

- 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 University-wide Academic Policies in the *Bulletin*.

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 125 semester hours of credit and completion of the required Dance and University Core 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 Jose Limon Dance Company.

Requirements for the Dance Major

Department	Course #	Course Name	Hours	RCI
Dance	0010	Movement, Sources and Concepts	3	
Dance	0011	Movement as a Medium (students enrolled prior to fall 2004)	3	
Dance	0380	Rhythmic Analysis	3	
Dance	H195	Dance in Human Society-Honors	3	IS
Dance	0335	Introduction to Laban Movement Analysis	3	
Dance	0340	Dance Production	1	
Dance	0350	Lighting Design for Dance	3	
Dance	0320	Creative Process in Dance (students enrolled fall 2004 and after)	3	
Dance	W300	Creative Process in Dance (students enrolled prior to fall 2004)	3	WI

Dance	W315	Forces and Figures in 20th Century Dance (students enrolled prior to fall 2004)	3	WI
Dance	W315	Dance Modernism (students enrolled fall 2004 and after)	3	WI
Dance	W316	Dance Post-modernism (students enrolled fall 2004 and after)	3	WI
Dance	W397	Senior Seminar	3	WI*
Subtotal			28	

*Indicates Writing Capstone for major

Dance - Required Techniques**

Department	Course #	Course Name	Hours	RCI
Dance	0020	Modern Dance Level I	2	
Dance	0321	Modern Dance Level II A	2	
Dance	0322	Modern Dance Level II	2	
Dance	0323	Modern Dance Level III	2	
Dance	0324	Modern Dance Level III	3	
Dance	0325	Modern Dance Level IV	2	
Dance	0326	Modern Dance Level IV	3	
Dance	0327	Modern Dance Level V	3	
Dance	0030	Classical Ballet Level I	2	
Dance	0332	Classical Ballet Level II	2	
Dance	0333	Classical Ballet Level III	2	
Dance	0334	Classical Ballet Level IV	2	
Dance	0040	Jazz Dance Level I	2	
Dance	0342	Jazz Dance Level II	2	
Dance	0343	Jazz Dance Level III	2	
Dance	0351	African Dance Level I	1-3	
Dance	0352	African Dance Level II	1-3	
Subtotal (Minimum Required Hours)			30	

****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 have 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.

Performance and Choreography Required Courses

Department	Course #	Course Name	Hours	RCI
Dance	0070	Movement Improvisation I	2	
Dance	0072	Dance Composition I	2	
Dance	0073	Dance Composition II	2	
Dance	0074	Dance Composition III	2	
Dance	0174	Freshman Repertory	3	
Dance	0374	Dance Repertory	3	
<i>or</i>				
Dance	0300	African Dance Repertory	3	
Dance	0390	Senior Choreographic Projects	3	
Subtotal			17	

Required University Core

Department	Course #	Course Name	Hours	RCI
English	C050	College Composition	3	CO
IH	X051	Intellectual Heritage I	3	IA
IH	X052	Intellectual Heritage II	3	IB
CORE	Elective	Quantitative Reasoning, Level I	3	QA
CORE	Elective	Quantitative Reasoning, Level II	3	QB
CORE	Elective	American Culture	3	AC
CORE	Elective	Arts (Cannot take C110 Entry to Dance as Art	3	AR

		or C112 Pathways in American Dance)		
CORE	Elective	Individual and Society	3	IN
CORE	Elective	Studies in Race	3	RS
CORE	Elective	Science and Technology, Level I	4	SA
CORE	Elective	Science and Technology, Level II (Suggest D365 Dance Science and Somatics)	3	SB
CORE	Elective	International Studies (Complete one academic course, Level 52 of Foreign Language)	3	IS
Subtotal			37	

Dance and Other Electives***

Department	Course #	Course Name	Hours	RCI
Dance	0058	Hatha Yoga I	2	
Dance	0371	Movement Improvisation II	2	
Dance	R280	Dance, Movement and Pluralism	3	RS
Dance	0286	Field Experience in Dance	1-8	
Dance	0290	Independent Study in Dance	1-4	
Dance	0304	Dance and the Child	3	
Dance	0375	Contact Improvisation	2	
Dance	0365	Dance Science and Somatics	3	SB
Dance	0396	Principles of Dance Technology	3	
Subtotal (Dance and/or Other Discipline -- Minimum Required Hours)			13	

*** 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.

COLLEGE OF SCIENCE AND TECHNOLOGY

Founded 1998

Keya Sadeghipour, Acting 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 twentieth century and will drive the economy of the twenty-first 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 website 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 by an H followed by three digits, e.g. Mathematics H095 is Honors Calculus I. See Academic Opportunities: [University Honors Program](#) for more information.

Five-year Master's Programs and Teacher Certification

The Biology, Chemistry, Geology, Mathematics, and Physics Departments enable talented students to complete both a bachelor's and a master's degree 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 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, A306 Barton Hall.

Phi Beta Kappa

See Supplemental Educational Opportunities: Honor Societies: [Phi Beta Kappa](#).
Return to [menu](#)

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.

- Temple University Biology Society

- Temple University Chemistry Society
- Association for Computing Machinery (CIS and IS&T)
- Geology Society
- Temple's Society for Undergraduate Mathematics
- Temple University Physics Society

Academic Advising

The Office of Student Services
A306 Barton Hall
215-204-2890

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-** Individual 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 walk-in and advising-by-appointment schedule is available at www.temple.edu/cst/ossofficehours.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-** are reviewed on a rolling basis by the Director and Assistant Director of Student Services. Typical petition requests include those for overload approval, to attend another institution for a semester or summer session, and for curriculum exceptions.

Departmental Advising

After their New Student Orientation advising and registration session, students who have declared majors will have their academic credentials copied and forwarded to their major department for subsequent advising by faculty advisors. (An original file is maintained at the collegiate level in the Office of Student Services.) 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 are 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 and Regulations

Please see the [Undergraduate Academic Policies and Regulations](#) 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 Hold

Any CST student who receives a grade below C- in a course required for the major shall be placed on "academic hold" and directed to see a department or CST advisor before the priority registration period of the subsequent semester. Students will not be eligible for priority registration until they have had the "academic hold" removed by a CST or departmental advisor.

Adding or Changing Majors or Minors

CST Students:

In order to add or change majors or minors within the College of Science and Technology (CST), 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 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 (CST), 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 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 three types of undergraduate courses:

1. Preparatory courses numbered 0001-0049: open to all students, full-time, part-time, matriculated, and non-matriculated.

2. Lower Level courses numbered 0050-0099 or C050-C099: 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. Upper Level courses numbered 0100-0399 or W100-W399: 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.

CST 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 at the end of a semester will be warned for the following semester. Students who are not in good academic standing in the College at the completion of that following semester may be dropped from the CST programs.

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, and Core courses must be completed with a letter grade of C- or higher. Math and CIS courses must be completed with a letter grade of C or higher.

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 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 level Mathematics course or have satisfied the core 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 level Mathematics course and a core level Science (or additional core 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.

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 16, 2006, for fall semester 2006
- February 15, 2007, for spring semester 2007
- June 1, 2007, for second summer semester 2007

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, A306 Barton Hall. 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 fifty 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

All incoming freshmen must take diagnostic English and mathematics placement tests. Transfer students who have not completed English C050 or the appropriate college-level math course for their major are also required to take placement examinations. The results of these tests determine if students are required to enroll in preparatory composition and mathematics courses. Students assigned to English 0040/0041 must register each semester for that course until the requirement is completed. Only upon successful completion of English 0040/0041 can such students enroll in English C050/C051. Students assigned to courses designed to remedy deficiencies in mathematics are required to complete those courses before enrolling in higher mathematics. 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 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 a hold placed on their record that will prevent them from registering.

Prerequisites and Co-requisites

Students may be de-enrolled from courses for which they do not meet prerequisites and co-requisites.

Readmission to the College of Science and Technology

College of Science and Technology students are required to submit an application for readmission after one full semester (fall or spring) of non-attendance. 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.

Warning and Dismissal

All university policies on warning and dismissal hold 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.) & 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. 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 two courses numbered 0100 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 course work 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. A maximum of nine semester hours in preparatory courses (courses numbered 0001-0049) may be applied to any baccalaureate degree.

Courses Inapplicable to Graduation

Semester hours earned in Mathematics 0045, military science, 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 (courses numbered below 0100), which are two or more courses below either an already completed course or their placement level.

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

Core. In addition to the requirements above, Bachelor of Science candidates must complete the University Core Curriculum in effect at the time of their matriculation.

Major. They 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. B.S. majors are offered the following programs:

- Biochemistry
- Biology
- Biophysics
- Chemistry
- Computer and Information Sciences (CIS)
- Environmental Studies
- Earth Science (see Geology)
- Information Science and Technology
- Mathematics
- Mathematics and Physics
- Physics

Minor or Additional Specialization. Students pursuing a Bachelor of Science degree may also choose to fulfill the requirements of a second Major, Minor, or Additional Specialization. See below under [Major and Minor Requirements](#).

Bachelor of Arts Requirements

Core. 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 by:

- (a) completing the third semester of a language (course number C061, except in Critical Languages) and one international studies course, or
- (b) completing the second semester of a language (course number 0052, except in Critical Languages) and two international studies courses, at least one of which must be "Third World/Non-Western."

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 and Art History.

Students who have second majors, one of which is in the College of Liberal Arts or Economics and 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 and Information Sciences
- Earth Science (see Geology)
- Environmental Studies
- Information Science and Technology
- Mathematics
- Mathematical Economics
- 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 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. Forms for declaring a minor are available in the following programs:

- Biology
- Cognitive Neuroscience (see Psychology)

- Computer and Information Sciences
- Environmental Studies
- 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 [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.

Biochemistry

Dr. Shohreh Amini, Chair
 Dr. Frank Chang, Advisor
 Biology Department
 Biology-Life Sciences Building, Room 301
 215-204-8843
frank.chang@temple.edu

Dr. Robert Levis, Chair
 Dr. Robert Stanley, Advisor
 Chemistry Department
 Beury Hall, Room 248
 215-204-2027
robert.stanley@temple.edu

Bachelor of Science Requirements for the Major

The biochemistry degree consists of fundamental biology and chemistry courses plus biochemistry lecture and laboratory courses: Chemistry 0371 (Biochemistry - Structure and Function), Biology 0376/Chemistry 0372 (Biochemistry - Metabolism), and Biology 0344 (Research Techniques in Biochemistry). In addition to these, the following courses are required: Calculus I, II, III*; General Chemistry I, II w/ labs; Organic Chemistry I, II w/ labs; calculus-based physics I, II; Biology 0102, 0203, W204, 0324; Chemistry 0215, 0231; two biochemistry electives selected from the following: Biology 0234, 0265, 0317, 0320, 0325, 0327, 0328, 0330, 0352, 0363, 0367, 0370, 0371, 0374, 0381, 0385; Chemistry W314, 0232, 0301, 0321, 0374.

*A third biochemistry elective can be substituted for Calculus III.

YEAR 1 – FALL				
Department	Course #	Course Name	Hours	RCI
Chemistry	C071	General Chemistry I and	3	SA
Chemistry	C073	General Chemistry I Laboratory	1	SA
		<i>or</i>		
Chemistry	C081	General Chemical Science I and	3	SA

Chemistry	C083	General Chemical Science I Laboratory	1	SA
Chemistry	H091	Honors General Chemistry I and	3	SA
Chemistry	H093	Honors General Chemistry I Laboratory	1	SA
Mathematics	C085	Calculus I	4	QB
Mathematics	H095	Honors Calculus I	4	QB
Subtotal			8	

YEAR 1 – SPRING				
Department	Course #	Course Name	Hours	RCI
Chemistry	C072	General Chemistry II and	3	SB
Chemistry	C074	General Chemistry II Laboratory	1	SB
		<i>or</i>		
Chemistry	C082	General Chemical Science II and	3	SB
Chemistry	C084	General Chemical Science II Laboratory	1	SB
		<i>or</i>		
Chemistry	H092	Honors General Chemistry II and	3	SB
Chemistry	H094	Honors General Chemistry II Laboratory	1	SB
Mathematics	0086	Calculus II	4	
		<i>or</i>		
Mathematics	H096	Honors Calculus II	4	
Subtotal			8	

YEAR 2 – FALL				
Department	Course #	Course Name	Hours	RCI
Chemistry	0121	Organic Chemistry I and	3	
Chemistry	0123	Organic Chemistry I Laboratory	1	
		<i>or</i>		
Chemistry	0181	Organic Chemistry I for Majors and	3	
Chemistry	0183	Organic Chemistry I Laboratory for Majors	1	
		<i>or</i>		
Chemistry	H191	Honors Organic Chemistry I and	3	
Chemistry	H193	Honors Organic Chemistry I Laboratory	1	
Biology	0102	Introduction to Biology	4	
		<i>or</i>		
Biology	H102	Honors Introduction to Biology	4	
Physics	0121	General Physics I	4	
		<i>or</i>		
Physics	C087	Elementary Classical Physics I	4	SA
Subtotal			12	

YEAR 2 – SPRING				
Department	Course #	Course Name	Hours	RCI
Chemistry	0122	Organic Chemistry II and	3	
Chemistry	0124	Organic Chemistry II Laboratory	1	
		<i>or</i>		
Chemistry	0182	Organic Chemistry II for Majors and	3	
Chemistry	0184	Organic Chemistry II Laboratory for Majors	1	
		<i>or</i>		
Chemistry	H192	Honors Organic Chemistry II and	3	
Chemistry	H194	Honors Organic Chemistry II Laboratory	1	
Physics	0122	General Physics II	4	
		<i>or</i>		
Physics	C088	Elementary Classical Physics II	4	SB
Subtotal			8	

YEAR 3 – FALL				
Department	Course #	Course Name	Hours	RCI
Biology	W204	Cell Structure and Function	4	WI
Chemistry	0215	Techniques of Chemical Measurement I	3	
Chemistry	0231	Physical Chemistry Lecture I	3	
Subtotal			10	

YEAR 3 – SPRING				
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Department	Course #	Course Name	Hours	RCI
Biology	0203	Genetics	4	
Chemistry	0371	Biochemistry I – Structure and Function	3	
Biochemistry		Electives**	3-4	
Subtotal			10-11	

YEAR 4 – FALL				
Department	Course #	Course Name	Hours	RCI
Biology	0376	General Biochemistry II	3	
		<i>or</i>		
Chemistry	0372	Biochemistry II	3	
Biology	0324	Molecular Biology	3	
Biochemistry		Electives**	3-4	
Subtotal			9-10	

YEAR 4 – SPRING				
Department	Course #	Course Name	Hours	RCI
Biology	0344	Research Techniques in Biochemistry	4	
Biochemistry		Electives**	3-5	
Subtotal			7-9	
Total credits for B.S. degree			123	
Credits for coursework in Biochemistry			72-76	
Core / Electives:			47-51	

**Biochemistry Electives

**Biochemistry Electives				
Department	Course #	Course Name	Hours	RCI
<i>Students are required to take three advanced biochemistry electives selected from the following list:</i>				
Biology	0234	Mammalian Physiology	4	
Biology	0265	Embryology	4	
Biology	0317	General Microbiology	4	
Biology	0320	Human Genetics	3	
Biology	0325	Research Techniques in Molecular Biology	4	
Biology	0327	Immunology	3	
Biology	0328	Virology	3	
Biology	0330	Cell Biology	3	
Biology	0352	Neurobiology	3	
Biology	0363	Genetic Control of Mammalian Development	3	
Biology	0367	Endocrinology	3	
Biology	0370	Comparative Animal Physiology	3	
Biology	0371	Cell Proliferation	3	
Biology	0374	Physical Biochemistry	3	
Biology	0385	Contemporary Biology	3	
Chemistry	W314	Techniques of Chemical Measurement II	5	WI
Chemistry	0232	Physical Chemistry Lecture II	3	
Chemistry	0301	Inorganic Chemistry	3	
Chemistry	0321	Organic Structure and Mechanisms	3	
Chemistry	0374	Physical Biochemistry	3	
Mathematics	0127	Calculus III	4	
Note: Other courses may be acceptable with the permission of one of the biochemistry advisors.				

Biology

Dr. Shohreh Amini, Chair
Dr. Shepherd K. Roberts, Advisor
Room 159, Biology-Life Sciences Building

Major requirements

Foundation courses 52 s.h., Biology courses: 0101, 0102, 0203, W204, 0227, 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 Biology electives above the 0204 level)
- Bachelor of Science (six Biology elective courses above the 0204 level; For the B.S. only, two Biology electives can be replaced from the following: Anthropology 0164; Chemistry 0231 and Chemistry 0232; Electrical Engineering 0154; Electrical Engineering Technology 0104; Mathematics 0127; Physics 0161 and Physics 0221; Statistics 0403.)
- Graduate-level courses, described in the *Graduate Bulletin*, can be taken as electives with special permission.

A grade of C or higher in Biology 0101 and Biology 0102 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.

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 0101 and Biology 0102 (Introduction to Biology), plus three additional Biology electives at the 0200 level or above. At least one of these additional Biology electives must have a laboratory component.

Note that Chemistry C071 and Chemistry C072 (with labs) are the co-requisites or prerequisites for Biology 0101 and Biology 0102, and that a grade of C or higher in Biology 0101 and Biology 0102 is required to take most Biology electives. Biology 0203, Biology W204, and Biology 0227 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.)

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, including successful completion of Biology 0391 and Biology 0392, 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.

Neuroscience Program Requirements

- Completion of three Neuroscience courses with a grade of B or better. Courses may be selected from: Biology 0304, Biology 0354, Biology 0356; Communication Science 0235; Philosophy 0444; Psychology 0260, Psychology 0265, Psychology 0275.
- 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 and Technology and the College of Education. For more information, see the following website:

www.temple.edu/bulletin/Academic_programs/schools_colleges/ed/intro/generalinfo/ed_generalinfo.shtm#teacher

Biology - Bachelor of Arts

Bachelor of Arts Requirements for the Major

YEAR 1 - FALL				
Department	Course #	Course Name	Hours	RCI
Chemistry	C071	General Chemistry I and	3	SA
Chemistry	C073	General Chemistry I Laboratory	1	SA
		<i>or</i>		
Chemistry	C081	General Chemical Science I and	3	SA
Chemistry	C083	General Chemical Science I Laboratory	1	SA
		<i>or</i>		
Chemistry	H091	Honors General Chemistry I and	3	SA
Chemistry	H093	Honors General Chemistry I Laboratory	1	SA
Mathematics	C085	Calculus I	4	QB
		<i>or</i>		
Mathematics	H095	Honors Calculus I	4	QB
Core		Library Orientation (TILT)	0	Core
Subtotal			8	

YEAR 1 - SPRING				
Department	Course #	Course Name	Hours	RCI
Chemistry	C072	General Chemistry II and	3	SB
Chemistry	C074	General Chemistry II Laboratory	1	SB
		<i>or</i>		
Chemistry	C082	General Chemical Science II and	3	SB
Chemistry	C084	General Chemical Science II Laboratory	1	SB
		<i>or</i>		
Chemistry	H092	Honors General Chemistry II and	3	SB
Chemistry	H094	Honors General Chemistry II Laboratory	1	SB
Mathematics	0086	Calculus II	4	
		<i>or</i>		
Mathematics	H096	Honors Calculus II	4	
Biology	0101	Introduction to Biology	4	
		<i>or</i>		
Biology	H101	Honors Introduction to Biology	4	
Subtotal			12	

YEAR 2 - FALL				
Department	Course #	Course Name	Hours	RCI
Chemistry	0121	Organic Chemistry I and	3	
Chemistry	0123	Organic Chemistry I Laboratory	1	
		<i>or</i>		
Chemistry	0181	Organic Chemistry for Majors I and	3	
Chemistry	0183	Organic Majors Laboratory I	1	
		<i>or</i>		
Chemistry	H191	Honors Organic Chemistry I and	3	
Chemistry	H193	Honors Organic Chemistry I Laboratory	1	
Biology	0102	Introduction to Biology	4	
		<i>or</i>		
Biology	H102	Honors Introduction to Biology	4	
Subtotal			8	

YEAR 2 - SPRING				
Department	Course #	Course Name	Hours	RCI
Chemistry	0122	Organic Chemistry II and	3	
Chemistry	0124	Organic Chemistry II Laboratory	1	
		<i>or</i>		
Chemistry	0182	Organic Chemistry for Majors II and	3	
Chemistry	0184	Organic Majors Laboratory II	1	
		<i>or</i>		
Chemistry	H192	Honors Organic Chemistry II and	3	
Chemistry	H194	Honors Organic Chemistry II Laboratory	1	
Biology	0203	Genetics	4	

Subtotal			8	
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YEAR 3 - FALL				
Department	Course #	Course Name	Hours	RCI
Biology	W204	Cell Structure and Function	4	WI*
Physics	0121	General Physics I	4	
Subtotal			8	

YEAR 3 - SPRING				
Department	Course #	Course Name	Hours	RCI
Biology	0227	Principles of Ecology	4	
Physics	0122	General Physics II	4	
Subtotal			8	

YEAR 4 - FALL				
Department	Course #	Course Name	Hours	RCI
Biology	Elective	Biology Elective above 0204 level^	3-4	
Biology	Elective	Biology Elective above 0204 level^	3-4	
Subtotal			6-8	

YEAR 4 - SPRING				
Department	Course #	Course Name	Hours	RCI
Biology	Elective	Biology Elective above 0204 level^	3-4	
Subtotal			3-4	

^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.

* Indicates writing capstone for the major.

Credits in coursework for Biology B.A.:	61-64
Core / Electives	59-62
Total Credits for B.A. degree	123

Biology - Bachelor of Science

Bachelor of Science Requirements for the Major

B.S. YEAR 1 - FALL THROUGH YEAR 3 - FALL				
Department	Course #	Course Name	Hours	RCI
		Identical To Bachelor Of Arts Requirements		

YEAR 3 - SPRING				
Department	Course #	Course Name	Hours	RCI
Biology	0227	Principles of Ecology	4	
Physics	0122	General Physics II	4	
Biology	Elective	Biology Elective above 0204 level^	3-4	
Subtotal			11-12	

YEAR 4 - FALL				
Department	Course #	Course Name	Hours	RCI
Biology	Elective	Biology Elective above 0204 level^	3-4	
Biology	Elective	Biology Elective above 0204 level^	3-4	
Biology	Elective	Biology Elective above 0204 level^	3-4	
Subtotal			9-12	

YEAR 4 - SPRING				
Department	Course #	Course Name	Hours	RCI
Biology	Elective	Biology Elective above 0204 level^	3-4	
Biology	Elective	Biology Elective above 0204 level^	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 courses from the following list: Anthropology 0164; Chemistry 0231 and Chemistry 0232; Electrical Engineering 0154; Electrical Engineering Technology 0104; Mathematics 0127; Physics 0161 and Physics 0221; Statistics 0403.		

Credits in Coursework for B.S. in Biology	70-76
Core / Electives	47-53
Total Credits for B.S. degree	123

Biophysics

Dr. C. Jeff Martoff, Chair
Dr. Zbigniew Dziembowski, Advisor
215-204-7639
zbig.dziembowski@temple.edu

Biophysics Bachelor of Science Requirements

Calculus I, II, III; General Chemistry I, II with labs; Organic Chemistry I, II with labs; Calculus-based Physics I, II; Biology 0102, 0203, W204; Physics 0184, 0187, 0188, 0231; and four biophysics elective courses.

YEAR 1 – FALL				
Department	Course #	Course Name	Hours	RCI
Chemistry	C071	General Chemistry I and	3	SA
Chemistry	C073	General Chemistry I Laboratory	1	SA
		<i>or</i>		
Chemistry	C081	General Chemical Science I and	3	SA
Chemistry	C083	General Chemical Science I Laboratory	1	SA
		<i>or</i>		
Chemistry	H091	Honors General Chemistry I and	3	SA
Chemistry	H093	Honors General Chemistry I Laboratory	1	SA
Mathematics	C085	Calculus I	4	QB
		<i>or</i>		
Mathematics	H095	Honors Calculus I	4	QB
Subtotal			8	

YEAR 1 – SPRING				
Department	Course #	Course Name	Hours	RCI
Chemistry	C072	General Chemistry II and	3	SB
Chemistry	C074	General Chemistry II Laboratory	1	SB
		<i>or</i>		
Chemistry	C082	General Chemical Science II and	3	SB
Chemistry	C084	General Chemical Science II Laboratory	1	SB
		<i>or</i>		
Chemistry	H092	Honors General Chemistry II and	3	SB
Chemistry	H094	Honors General Chemistry II Laboratory	1	SB
Mathematics	0086	Calculus II	4	
		<i>or</i>		
Mathematics	H096	Honors Calculus II	4	
Sub Total			8	

YEAR 2 – FALL				
Department	Course #	Course Name	Hours	RCI
Chemistry	0121	Organic Chemistry I and	3	
Chemistry	0123	Organic Chemistry I Laboratory	1	
		<i>or</i>		
Chemistry	0181	Organic Chemistry I for Majors and	3	
Chemistry	0183	Organic Chemistry I Lab for Majors Laboratory	1	
		<i>or</i>		
Chemistry	H191	Honors Organic Chemistry I and	3	
Chemistry	H193	Honors Organic Chemistry I Laboratory	1	

Math	0127	Calculus III	4	
Physics	0121	General Physics I	4	
Physics	C087	<i>or</i> Elementary Classical Physics I	4	SA
Subtotal			12	

YEAR 2 – SPRING				
Department	Course #	Course Name	Hours	RCI
Chemistry	0122	Organic Chemistry II and	3	
Chemistry	0124	Organic Chemistry II Laboratory	1	
		<i>or</i>		
Chemistry	0182	Organic Chemistry II for Majors and	3	
Chemistry	0184	Organic Chemistry II for Majors Laboratory	1	
		<i>or</i>		
Chemistry	H192	Honors Organic Chemistry II and	3	
Chemistry	H194	Honors Organic Chemistry II Laboratory	1	
Physics	C088	Elementary Classical Physics II	4	SB
		<i>or</i>		
Physics	0122	General Physics II	4	
Subtotal			8	

YEAR 3 – FALL				
Department	Course #	Course Name	Hours	RCI
Biology	0102	Introduction to Biology	4	
		<i>or</i>		
Biology	H102	Honors Introduction to Biology	4	
Subtotal			4	

YEAR 3 – SPRING				
Department	Course #	Course Name	Hours	RCI
Elective†	Elective	Biophysics Elective	3-4	
Elective†	Elective	Biophysics Elective	3-4	
Subtotal			6-8	

YEAR 4 – FALL				
Department	Course #	Course Name	Hours	RCI
Biology	W204	Cell Structure and Function	4	WI*
Physics	0187	Electricity and Magnetism w/ Lab	4	
Physics	0231	Thermodynamics and Kinetic Theory	3	
Elective†	Elective	Biophysics Elective	3-4	
Subtotal			14-15	

YEAR 4 – SPRING				
Department	Course #	Course Name	Hours	RCI
Biology	0203	Genetics	4	
Physics	0184	Mathematical Physics	4	
Physics	0188	Introduction to Modern Physics w/ Lab	4	
Elective†	Elective	Biophysics Elective	3-4	
Subtotal			15-16	

† Four courses, all at the 0200-level or above, chosen from electives in Physics, Neurobiology, Physiology, Genetics, Cell Structure, Biophysics, Biochemistry and Physical Chemistry. At least two of these elective courses must be in Physics. Biophysics majors who plan to do graduate Biophysics in a Physics department should choose Physics 0201, 0211, W215 and 0306. Such students should try to complete as much of the standard B.S. program in Physics as time allows. Students planning to go to medical school should complete Biology 0101, Introduction to Biology.

Total credits for B.S. degree	123
Credits for coursework in Biophysics:	75-79
Core / Electives:	44-48

Chemistry

Dr. Robert Levis, Chair
 Dr. Donald Titus, Advisor
 216 Beury Hall
 215-204-7127
dtitus@temple.edu

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 201) 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.

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 website:

www.temple.edu/bulletin/Academic_programs/schools_colleges/ed/intro/generalinfo/ed_generalinfo.shtm#teacher

Bachelor of Arts Requirements for the Major

Two semesters of calculus, and an option of Calculus III or Computer and Information Sciences C071; General Chemistry I, II with labs; Organic Chemistry I, II with labs; calculus-based physics I, II; the following advanced chemistry courses: 0215, 0217, 0231, 0232, and a choice of W237 or W314 (capstone writing course). If Chemistry W237 is chosen, an additional course in chemistry numbered 0301 or above is required. If Chemistry W314 is chosen, an additional course is required, chosen from a list of chemistry, biology, physics, geology, and mathematics courses.

YEAR 1 – FALL				
Department	Course #	Course Name	Hours	RCI
<i>Select one:</i>			3	
Chemistry	C071	General Chemistry I		SA
	C081	General Chemical Science I		SA
	H091	Honors General Chemistry I		SA
<i>Select one:</i> ¹			1	
Chemistry	C073	General Chemistry Laboratory I		SA
	C083	Chemical Science Laboratory I		SA
	H093	Honors General Chemistry Laboratory I		SA
<i>Select one:</i>			4	
Mathematics	C085	Calculus I		QB
	H095	Honors Calculus I		QB
Subtotal			8	
¹ Select the laboratory to match the lecture; C073 with C071, C083 with C081, or H093 with H091				

YEAR 1 – SPRING			
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Department	Course #	Course Name	Hours	RCI
Select one:			3	
Chemistry	C072	General Chemistry II		SB
	C082	General Chemical Science II		SB
	H092	Honors General Chemistry II		SB
Select one: ²			1	
Chemistry	C074	General Chemistry Laboratory II		SB
	C084	Chemical Science Laboratory II		SB
	H094	Honors General Chemistry Laboratory II		SB
Select one:			4	
Mathematics	0086	Calculus II		
	H096	Honors Calculus II		
Subtotal			8	
² Select the laboratory to match the lecture; C074 with C072, C084 with C082, or H094 with H092				

YEAR 2 – FALL				
Department	Course #	Course Name	Hours	RCI
Select one:			3	
Chemistry	0121	Organic Chemistry I		
	0181	Organic Chemistry for Majors I		
	H191	Organic Chemistry for Honors I		
Select one: ³			1	
Chemistry	0123	Organic Chemistry Laboratory I		
	0183	Organic Majors Laboratory I		
	H193	Organic Honors Laboratory I		
Select one:			4	
Mathematics	0127	Calculus III		
Computer & Info Sci	C071	Computer Programming in C		QB
Select one:			4	
Physics	C087	Elementary Classical Physics I		SA
	0121	General Physics I		
Subtotal			12	
³ Select the laboratory to match the lecture; 0123 with 0121, 0183 with 0181, or H193 with H191				

YEAR 2 – SPRING				
Department	Course #	Course Name	Hours	RCI
Select one:			3	
Chemistry	0122	Organic Chemistry II		
	0182	Organic Chemistry for Majors II		
	0192	Organic Chemistry for Honors II		
Select one: ⁴			1	
Chemistry	0124	Organic Chemistry Laboratory II		
	0184	Organic Majors Laboratory II		
	H194	Organic Honors Laboratory II		
Select one:			4	
Physics	C088	Elementary Classical Physics II		SB

	0122	General Physics II		
Subtotal			8	

⁴Select the laboratory to match the lecture; 0124 with 0122, 0184 with 0182, or H194 with H192

YEAR 3 – FALL				
Department	Course#	Course Name	Hours	RCI
Chemistry	0215 ⁵	Techniques of Chemical Measurements I	3	
Chemistry	0217	Introduction to Chemical Research Techniques	1	
Chemistry	0231	Physical Chemistry Lecture I	3	
Subtotal			7	

⁵Chemistry 0215 is a pre- or co-requisite for all chemistry laboratory courses numbered above 0200.

YEAR 3 – SPRING				
Department	Course #	Course Name	Hours	RCI
Chemistry	0232	Physical Chemistry Lecture II	3	
Subtotal			3	

YEAR 4 – FALL				
Department	Course #	Course Name	Hours	RCI
Chemistry	0301, or above	Advanced Chemistry Course ⁶	3-5	
Subtotal			3-5	

⁶ Advanced Chemistry Courses for B.A. students consist of all courses in Chemistry having a number of 0301 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				
Department	Course #	Course Name	Hours	RCI
Science or Mathematics		Advanced Science Course ⁷	3 to 5	
<i>Select one:</i> ⁸				
Chemistry	W237	Physical Chemistry Laboratory	4	WI*
	W314	Techniques of Chemical Measurement II	5	WI*
Subtotal			7-10	

* Indicates writing capstone for major

⁷Advanced Science Courses for B.A. students consist of Chemistry 0283 or 0293 (only one of these may be counted as an advanced science course), and all other Chemistry courses numbered 0301 and above; Biology 0203, W204, 0234, 0265, and above; Physics 0183, 0184, 0187, 0188, 0201, 0202, 0211, 0221, 0231, and above; Geology 0200 and above; Math 0147, W205, 0233, 0247, and above.

⁸Although neither Chemistry W237 nor Chemistry W314 is 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 W237 is selected, it may also count as the B.A. student's Advanced Science course; if Chemistry W314 is selected, it may count either as the B.A. student's Advanced Chemistry or as the Advanced Science course.

Total Credits for B.A. degree	123
Required Courses for Major ⁸	53 to 56
Core / Electives	67 to 70

Bachelor of Science Requirements for the Major

These include all required courses for the B.A. major; in addition, the B.S. major requires both Chemistry W237 and Chemistry W314, Chemistry 0301 and two advanced chemistry courses numbered 0305 or above, and two advanced science courses.

For the B.S. degree to be certified by the American Chemical Society Calculus III is required. The two advanced chemistry electives chosen must be Chemistry 0307 and 0371; the two advanced science electives are to be chosen from Chemistry 0293, 0308, 0313, 0317, 0328, 0329, 0337.

With the appropriate selection of electives, the B.S. degree is certified by the American Chemical Society¹¹.

YEAR 1 – FALL THROUGH YEAR 3 – FALL				
Department	Course #	Course Name	Hours	RCI
		Identical to B.A. Requirements		

YEAR 3 – SPRING				
Department	Course #	Course Name	Hours	RCI
Chemistry	0232	Physical Chemistry Lecture II	3	
Chemistry	W237	Physical Chemistry Laboratory	4	WI*
Subtotal			7	

* Indicates writing capstone for major

YEAR 4 – FALL				
Department	Course #	Course Name	Hours	RCI
Chemistry	0301	Inorganic Chemistry	3	
Science or Mathematics		Advanced Science Course ^{9, 11}	3-5	
Chemistry	0305 or above	Advanced Chemistry Course ^{10, 11}	3-5	
Subtotal			9-13	

YEAR 4 – SPRING				
Department	Course #	Course Name	Hours	RCI
Chemistry	W314	Techniques of Chemical Measurement II	5	WI*
Science or Mathematics		Advanced Science Course ^{9, 11}	3-5	
Chemistry	0305, or above	Advanced Chemistry Course ^{10, 11}	3-5	
Subtotal			11-15	

* Indicates writing capstone for major

⁹Advanced Science Courses for B.S. students consist of Chemistry 0283 or 0293 (only one of these may be counted as an advanced science course), and all other Chemistry courses numbered 0305 and above; Biology 0203, W204, 0234, 0265, and above; Physics 0183, 0184, 0187, 0188, 0201, 0202, 0211, 0221, 0231, and above; Geology 0200 and above; Math 0147, W205, 0233, 0247, and above.

¹⁰Advanced Chemistry Courses for B.S. students consist of all courses in Chemistry having a number of 0305 or higher. If the student has successfully completed the appropriate prerequisite course, a graduate course in Chemistry may be included in this category.

¹¹In order for the B.S. degree to be certified by the American Chemical Society, the student must take Calculus III (Computer Programming in C is not accepted for certification), Chemistry 0371 (Biochemistry), Chemistry 0307 (Inorganic Synthesis), and at least two of the following Chemistry courses from the following Advanced Chemistry and Advanced Science courses: Chemistry 0293 Undergraduate Research; Chemistry 0308 Solid State Analysis; Chemistry 0313 Instrumental Design; Chemistry 0317 Drug Analysis; Chemistry 0328 Qualitative Organic Analysis; Chemistry 0329 Advanced Organic Preparations; and Chemistry 0337 Introduction to Polymer Chemistry with Lab.

Total Credits for B.S. degree	123
Required Courses for Major	70 to 78
Core / Electives	45 to 53

Computer and Information Science

Dr. Robert Aiken, Chair
 Dr. Billie Stevens, Advisor
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Major Requirements

Bachelor of Arts Requirements for the Major

Calculus I, II; sequenced lab science A & B; CIS 0066 or Math W141, CIS 0067, CIS 0068, CIS 0072, CIS 0166 or Math W205, CIS 0207, CIS 0223, CIS 0307, CIS W338; theory course selected from: Mathematics 0133, Mathematics 0233, Mathematics 0227, Philosophy 0211, CIS 0211, CIS 0242; communication course selected from: English W102, English W104, STOC 0065.

B.A. YEAR 1 – FALL				
Department	Course #	Course Name	Hours	RCI
Mathematics	C085	Calculus I	4	QB
		<i>or</i>		
Mathematics	H095	Honors Calculus I	4	QB
Core	Elective	Laboratory Science A	4	SA
Subtotal			8	

B.A. YEAR 1 – SPRING				
Department	Course #	Course Name	Hours	RCI
Mathematics	0086	Calculus II	4	
		<i>or</i>		
Mathematics	H096	Honors Calculus II	4	
Core	Elective	Laboratory Science B	4	SB
Subtotal			8	

B.A. YEAR 2 – FALL				
Department	Course #	Course Name	Hours	RCI
CIS	0066	Mathematical Concepts in Computing I	4	
		<i>or</i>		
Mathematics	W141	Basic Mathematical Concepts	3	
CIS	0067	Program Design and Abstraction	4	
Subtotal			7-8	

B.A. YEAR 2 – SPRING				
Department	Course #	Course Name	Hours	RCI
CIS	0068	Data Structures	4	
CIS	0072	Computer Systems & Low-Level Programming	4	
CIS	0166	Mathematical Concepts in Computing II	4	
		<i>or</i>		
Mathematics	W205	Modern Algebra	3	
Subtotal			11-12	

B.A. YEAR 3 – FALL				
Department	Course #	Course Name	Hours	RCI
CIS	0207	Introduction to Systems Programming & Operating Systems	4	
CIS	0223	Data Structures and Algorithms	4	
Subtotal			8	

B.A. YEAR 3 – SPRING				
Department	Course #	Course Name	Hours	RCI
<i>Select one theoretically-oriented course:</i>			3	
Mathematics	0133	Probability and Statistics		
		<i>or</i>		
Mathematics	0233	Intro to Probability Theory		
		<i>or</i>		
Mathematics	0227	Mathematical Computer Programming I		

		or		
Philosophy	0211	Intermediate Logic		
		or		
CIS	0211	Automata, Computability, & Languages		
CIS	0242	Discrete Structures		
<i>Select one Communication course:</i>			3	
English	W102	Technical Writing		WI
		or		
English	W104	Writing for Business & Industry		WI
		or		
STOC	0065	Public Speaking		
Subtotal			6	

B.A. YEAR 4 – FALL				
Department	Course #	Course Name	Hours	RCI
CIS	0307	Intro. to Distributed Systems & Networks	4	
Subtotal			4	

B.A. YEAR 4 – SPRING				
Department	Course #	Course Name	Hours	RCI
CIS	W338	Software Engineering	4	WI
Subtotal			4	

Total credits for B.A. degree:	123
Credits in CIS Coursework:	56-58
Core / Electives:	65-67

Bachelor of Science Requirements for the Major

These include all required courses for the B.A. major; in addition, the B.S. major requires CIS 0339, and three CIS electives.

B.S. YEAR 1 – FALL THROUGH YEAR 2 – SPRING				
Department	Course #	Course Name	Hours	RCI
		Identical to B.A. Requirements		

B.S. YEAR 3 – FALL				
Department	Course #	Course Name	Hours	RCI
CIS	0223	Data Structures and Algorithms	4	
CIS	0207	Introduction to Systems Programming & Operating Systems Programming	4	
<i>Select one theoretically-oriented course:</i>			3	
Mathematics	0133	Probability and Statistics		
		or		
Mathematics	0233	Intro to Probability Theory		
		or		
Mathematics	0227	Mathematical Computer Programming I		
		or		
Philosophy	0211	Introduction to Logic		
		or		
CIS	0211*	Automata, Computability, & Languages		
		or		
CIS	0242*	Discrete Structures		
Subtotal			11	

*If not taken as a CIS elective

B.S. YEAR 3 – SPRING				
Department	Course #	Course Name	Hours	RCI
CIS	Elective	CIS elective*	3 or 4	
<i>Select one Communication course:</i>			3	

English	W102	Technical Writing		WI
English	W104	Writing for Business & Industry		
		<i>or</i>		
STOC	0065	Public Speaking		
Subtotal			6-7	

B.S. YEAR 4 – FALL				
Department	Course #	Course Name	Hours	RCI
CIS	0307	Introduction to Distributed Systems & Networks	4	
CIS	W338	Software Engineering	4	WI
CIS	Elective	CIS elective*	3 or 4	
Subtotal			11-12	

B.S. YEAR 4 – SPRING				
Department	Course #	Course Name	Hours	RCI
CIS	0339	Projects in Computer Science	4	
CIS	Elective	CIS elective*	3 or 4	
Subtotal			7-8	

*CIS electives: CIS 0203, CIS 0211 (if not taken as theory requirement), CIS 0220, CIS 0242 (if not taken as theory requirement), CIS 0305, CIS 0308, CIS 0320, CIS 0324, CIS 0331, CIS 0350, CIS 0397, CIS 0398.

Total credits for B.S. degree:	123
Credits in CIS Coursework:	69-74
Core / Electives:	49-54

Minor Requirements

Students desiring a minor in Computer and Information Science are required to satisfy the following:

- Mathematics C085-0086 (Calculus)
- CIS 0066 (Mathematical Concepts in Computing I) or Mathematics W141 (Basic Mathematical Concepts)
- CIS 0067 (Program Design and Abstraction)
- CIS 0068 (Data Structures)
- CIS 0072 (Computer Systems and Low-Level Programming)
- CIS 0166 (Mathematical Concepts in Computing II) or Mathematics W205 (Modern Algebra)
- CIS 0207 (Introduction to Systems Programming and Operating Systems)
- CIS 0223 (Data Structures and Algorithms)

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.

Offered jointly by the College of Liberal Arts and the College of Science and Technology, Environmental Studies includes both B.A. and B.S. options. A Minor also is offered, and a Certificate of Completion is an option for those already holding an undergraduate degree in a different field.

The program and its requirements are described in full in the "[Intercollegial Programs](#)" section of this *Bulletin*.

Geology

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The Department of Geology offers two different undergraduate programs, one leading to the B.S. in Geology and the other leading to the B.A. in Earth Science.

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 environmental planning, evaluation of waste disposal sites, groundwater monitoring, 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 Earth Science

First semester of introductory or general chemistry with lab, College Math or Calculus I, and the following Geology courses: C050, W381, and three electives from the following five: Geology 0201, Geology 0210, Geology 0211, Geology 0212, Geology 0261. Five additional science electives must be chosen, with no more than three from the same department: Three courses must be numbered above 0100. These electives must be taken from the following list:

- Anthropology 0124, 0125, 0248, 0280
- Biology C083, C084, 0101 or H101, 0102 or H102, W237, 0241
- Chemistry C062/C064, or C072/C074, 0121/0123, 0122/0124
- Geology 0310
- Geography & Urban Studies 0254, 0257, 0260, 0262
- Physics C087 or 0121, C088 or 0122

Fall or Spring Courses B.A. Earth Science				
Department	Course #	Course Name	Hours	RCI
Geology	C050	Introduction to Geology	4	SA
Mathematics	C055	College Math	3	QA
	C085	Calculus I	4	QB
	H095	Honors Calculus I	4	QB
Chemistry	C061/C063	Intro. To Chemistry I & Lab	4	SA
	C071/C073	General Chemistry I & Lab	4	SA
	C081/C083	General Chemical Science I & Lab	4	SA
	H091/H093	Honors General Chemical Science I & Lab	4	SA
Subtotal			11-12	

Foundational Level Fall Term B.A.				
Department	Course #	Course Name	Hours	RCI
<i>Choose three of the following five courses:</i>				
Geology	0201	Mineralogy I	4	

Geology	0210	Introduction to Hydrology	4	
Geology	0211	Facies Models	4	
Geology	0212	Paleontology & Stratigraphy	4	
Geology	0261	Introduction to Geochemistry	4	
Subtotal			12	

Spring Term B.A.				
Department	Course #	Course Name	Hours	RCI
Geology	W381 or H391	Environmental Seminar	3	WI
Subtotal			3	

Fall Courses Recommended for Advancing Students in the Major for the B.A. in Earth Science

Specific Electives				
Department	Course #	Course Name	Hours	RCI
<i>Select five: No more than three from one department. Three courses must be numbered above 0100.</i>				
Anthropology	0124	Fundamentals of Archaeology	3	
Anthropology	0125	Fundamentals of Biological Anthropology	4	
Anthropology	0248	Introduction to Primates	3	
Anthropology	0280	Evolutionary Biology	3	
Biology	C083	General Biology I	4	SA
Biology	C084	General Biology II	4	SB
Biology	0101	Introduction to Biology	4	
		<i>or</i>		
	H101	Honors Introduction to Biology	4	
Biology	0102	Introduction to Biology	4	
		<i>or</i>		
	H102	Honors Introduction to Biology	4	
Biology	W237	Marine Environments I	4	WI
Biology	0241	Invertebrate Biology	4	
Chemistry	C062/C064	Introduction to Chemistry II & Lab	4	SB
		<i>or</i>		
	C072/C074	General Chemistry II & Lab	4	SB
		<i>or</i>		
	H092/H094	Honors General Chemical Science II & Lab	4	SB
Chemistry	0121/0123	Organic Chemistry I & Lab	4	
Chemistry	0122/0124	Organic Chemistry II & Lab	4	
GUS	0254	Energy, Resources, and Conservation	3	
GUS	0260	Fundamentals of Cartography	3	
GUS	0262	Fundamentals of Geographic Information Systems	3	
GUS	0257	Hazards Geography	4	
Geology	0310	Microcomputers in Geology	4	
Physics	C087	Elementary Classical Physics I	4	SA
		<i>or</i>		
	0121	General Physics I	4	
Physics	C088	Elementary Classical Physics II	4	SB
		<i>or</i>		
	0122	General Physics II	4	
Subtotal			15-20	

Total credits for B.A. degree	123
Credits in coursework for a B.A. degree in Earth Science	41-47
Core / Electives	76-82

B.S. in Geology

Calculus I, II; General Chemistry I, II; Calculus-based Physics I, II; Geology C050, Geology 0201, Geology 0211, Geology 0212, Geology 0261, Geology 0301, Geology W302. In addition, Field Geology (Geology 0352) taken in the summer; and three upper-level science or mathematics electives, at least one of which must be in a discipline other than geology.

First-year Courses B.S. Geology				
Department	Course #	Course Name	Hours	RCI
Geology	C050	Introduction to Geology	4	SA
Mathematics	C085	Calculus I	4	QB
	H095	Honors Calculus I		
Mathematics	0086	Calculus II	4	
	H096	Honors Calculus II		
Chemistry	C071/C073	General Chemistry I & Lab	4	SA
	C081/C083	General Chemical Science I & Lab		SA
	H091/H093	Honors General Chemical Science I & Lab		SA
Chemistry	C072/C074	General Chemistry II & Lab	4	SB
	C082/C084	General Chemical Science II & Lab		SB
	H092/H094	Honors General Chemical Science II & Lab		
Physics	C087	Elementary Classical Physics I	4	SA
	0121	General Physics I		
Physics	C088	Elementary Classical Physics II	4	SB
	0122	General Physics II		
Subtotal			28	

Foundational Courses for the B.S. – Fall term Geology				
Department	Course #	Course Name	Hours	RCI
Geology	0201	Mineralogy I	4	
Geology	0211	Facies Models	4	
Subtotal			8	

Foundational Courses for the B.S. – Spring term Geology				
Department	Course #	Course Name	Hours	RCI
Geology	0212	Paleontology & Stratigraphy	4	
Geology	0261	Introduction to Geochemistry	4	
Subtotal			8	
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 geology undergraduate advisor must approve the choice of field camp.				

Summer term – B.S. Geology				
Department	Course #	Course Name	Hours	RCI
Geology	0352	Field Geology (see Advisor)	4-6	
Subtotal			4-6	

Fall Courses Recommended for Students Advancing in the Major for the B.S. in Geology

Department	Course #	Course Name	Hours	RCI
Geology	0301	Igneous & Meta. Petrology	4	
Geology	0210	Intro. To Hydrology <i>or</i> Elective*	4 3-4	
Geology	0310	Microcomputers in Geology <i>or</i> Elective*	4 3-4	
Subtotal			10-12	

Spring Courses Recommended for Students Advancing in the Major for the B.S. in Geology

Department	Course #	Course Name	Hours	RCI
Geology	W302	Structural Geology	4	WI
Required Elective	Elective	Upper-level Science or Math Elective*	3 or 4	
Subtotal			7-8	

*Of the three upper-level Science/Math electives required, at least one must be in a discipline other than Geology. One may be from the graduate level with permission of the instructor.

Total credits for B.S. degree	123
Credits in Coursework for Geology B.S. degree	65-70
Core / Electives	53-58

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:

- Geology C050 with laboratory
- Chemistry C071/C073 or Chemistry C061/C063
- Mathematics C055 or Mathematics C085
- Geology electives above the 0100 level, with a total of 16 or more credits, chosen with the approval of the Undergraduate Geology 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 website:

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 geology advisor approve the proposal, the student may register for 3 hours of Geology 0293-0294 (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 and Technology

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B.A. Major Requirements

Math C077, Math 0133, Math 0163; CIS C055, CIS C081, CIS 0083, CIS 0109, CIS 0209, CIS 0230, CIS 0309, CIS 0330, CIS 0342, CIS W281, CIS W381; Science A.

B.A. YEAR 1 – FALL				
Department	Course #	Course Name	Hours	RCI
Math	C077	Basic Concepts of Calculus	4	QB
Core		[Science A]	4	SA
Subtotal			8	

B.A. YEAR 1 – SPRING				
Department	Course #	Course Name	Hours	RCI
CIS	C055	Computers and Applications [Science B]	4	SB
CIS	C081	Computer Programming and Higher Level Languages	4	QB
Subtotal			8	

B.A. YEAR 2 – FALL				
Department	Course #	Course Name	Hours	RCI
Math	0133	Probability and Statistics	3	
CIS	0083	Object Oriented Programming	4	
CIS	0109	Database & File Management Systems	4	
Subtotal			11	

B.A. YEAR 2– SPRING				
Department	Course #	Course Name	Hours	RCI
Math	0163	Sophomore Problem Solving	3	
CIS	0209	Component-Based Software Development	4	
CIS	0230	Operating Systems and Networking	4	
Subtotal			11	

B.A. YEAR 3 – FALL				
Department	Course #	Course Name	Hours	RCI
CIS	W281	Information Systems Analysis and Design	4	WI
CIS	0309	Client/Server and Net-Centric Computing	4	
CIS	0330	Network Architectures	4	
Subtotal			12	

B.A. YEAR 3 – SPRING				
Department	Course #	Course Name	Hours	RCI
CIS	W381	Information Systems Implementation	3	WI^
Subtotal			3	

B.A. YEAR 4 – FALL				
Department	Course #	Course Name	Hours	RCI
CIS	0342	Networked Application Systems	4	
Subtotal			4	

B.A. YEAR 4 – SPRING				
Department	Course #	Course Name	Hours	RCI
		General Non-major Elective Credits		

Total Credits for B.A.:	123
Coursework for B.A. IS&T degree:	57
Core / Electives:	66

^ Indicates writing capstone for the major.

B.S. Major Requirements

Bachelor of Science Major requirements for Information Science and Technology are the same as the B.A. Major requirements with the addition of four IS&T related electives.** (two each in the junior and senior year). **IS&T related elective courses: CIS 0288*, CIS 0308, CIS 0344, CIS 0345, CIS 0350, CIS 0362, CIS 0372, CIS 0382, CIS 0386, CIS 0397*, CIS 0398*. Other courses can be selected from any Department at Temple University; 0100-level or above; IS&T related; approved by the IS&T Advisor.

*Note: A maximum of two courses can be taken from CIS 0288, CIS 0397, CIS 0398. CIS 0288 can be taken twice within this two-course maximum.

Total Credits for B.S.:	123
Coursework for B.S. IS&T degree:	69-73
Core / Electives:	50-54

Minor Requirements

Students desiring a minor in Information Science and Technology are required to satisfy the following:

- CIS C081 (Higher Level Languages)
- CIS 0083 (Object-Oriented Programming)
- CIS 0109 (Database & File Management)
- CIS 0209 (Principles of Component-Based Software Development)
- CIS 0230 (Operating Systems & Networking)
- CIS W281 (Information Systems Analysis and Design)
- CIS W381 (Information System Implementation)

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 a traditional program in pure mathematics. It is intended for students who plan to go to graduate school or to teach mathematics at a college or high school level after graduation. While the B.A. program has relatively few required courses, the required courses are academically demanding. The lack of heavy requirements is intended to provide students with an opportunity to explore their interests in and out of mathematics.

The B.S. program, which has more required courses, has an applied flavor. It is intended for students who plan to seek employment in a mathematics-related field or join a graduate program in applied mathematics or a mathematics-related field upon graduation.

Either program can be combined with the department's M.A. program, leading to the M.A. degree after five years of study.

The department offers a joint program with the Department of Physics leading to the B.S. degree and a joint program with the Department of Economics leading to the B.A. degree. Students who plan careers as secondary school mathematics teachers may choose to take a five-year interdisciplinary program, offered jointly with the College of Education, that leads to a bachelor's degree in mathematics, teaching certification, and a Master's degree in Education.

Basic Courses: Three semesters of calculus: Math C085/H095, Math 0086/H096, Math 0127; linear algebra: Math 0147; and Math 0247, Math 0248, Math 0251, Math 0347, Math W363.

Mathematics, B.A. Requirements

In addition to the basic courses, one of the following courses in Computer and Information Sciences: CIS C061, CIS 0067, CIS 0068, CIS C071; and Math W141 or Math 0200 or above (Math W141 can only count if it is taken prior to Math W205 and Math 0247), Math W205, Math 0305, Math 0365 or Math 0377; and one additional mathematics elective course numbered 0200 or above.

Year 1, Fall Semester				
Department	Course#	Course Name	Hours	RCI
Mathematics	C085	Calculus I	4	QB
		<i>or</i>		
Mathematics	H095	Honors Calculus I	4	QB
CIS	C061	Programming in Matlab	4	QB
		<i>or</i>		
CIS	0067	Program Design and Abstraction	4	
		<i>or</i>		
CIS	0068	Data Structures	4	
		<i>or</i>		
CIS	C071	Computer Programming in C	4	QB

Year 1, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	0086	Calculus II	4	
		<i>or</i>		
Mathematics	H096	Honors Calculus II	4	

Year 2, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	0127	Calculus III	4	
Mathematics	0147	Linear Algebra	3	

Year 2, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	W141	Basic Mathematical Concepts (must be taken before W205 and 0247)	3	WI
		<i>or</i>		
Mathematics	Elective	Select one course 0200 or above	3	
Mathematics	0251	Differential Equations I	3	

Year 3, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	W205	Modern Algebra	3	WI
Mathematics	0247	Advanced Calculus I	3	

Year 3, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	0248	Advanced Calculus II	3	
Mathematics	0305	Topics in Modern Algebra	3	

Year 4, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	0347	Introduction to Functions of a Complex Variable	3	
Mathematics	Elective	Select one course 200 or above	3-4	

Year 4, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	W363	Problem Solving Seminar	3	WI
Mathematics	0365	Topology I	3	
		<i>or</i>		
Mathematics	0377	Differential Geometry	3	

Total Credits for B.A. Degree:	123
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Credits in coursework for B.A. degree in Mathematics:	49-50
Core / Electives:	73-74

Mathematics, B.S. Requirements

In addition to the basic courses, Calculus-based Physics I, II; two of the following courses from Computer and Information Sciences: CIS C061, CIS 0067, CIS 0068, CIS C071; and Math W205, Math 0233, Math 0253; and two science/mathematics electives taken from the following list: Actuarial Science 0305, Actuarial Science 0306; Chemistry 0231, Chemistry 0232; CIS 0211, CIS 0242; Economics 0241; Physics 0187, Physics 0188, Physics 0201, Physics 0202, Physics 0211, Physics 0231, Physics 0306; or any mathematics course numbered 0200 or above (Math W141 can count as one of the electives, provided it is taken prior to Math W205 and Math 0247); and one additional mathematics elective course numbered 0300 or above.

Year 1, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	C085	Calculus I	4	QB
		<i>or</i>		
Mathematics	H095	Honors Calculus I	4	QB
CIS	C061	Programming in Matlab	4	QB
		<i>or</i>		
CIS	0067	Program Design and Abstraction	4	
		<i>or</i>		
CIS	0068	Data Structures	4	
		<i>or</i>		
CIS	C071	Computer Programming in C	4	QB
Physics	C087	Elementary Classical Physics I	4	SA

Year 1, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	0086	Calculus II	4	
		<i>or</i>		
Mathematics	H096	Honors Calculus II	4	
Physics	C088	Elementary Classical Physics II	4	SB
CIS	C061	Programming in Matlab	4	QB
		<i>or</i>		
CIS	0067	Program Design and Abstraction	4	
		<i>or</i>		
CIS	0068	Data Structures	4	
		<i>or</i>		
CIS	C071	Computer Programming in C	4	QB

Year 2, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	0127	Calculus III	4	
Mathematics	0147	Linear Algebra	3	
Mathematics	0233	Introduction to Probability Theory	3	

Year 2, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	0251	Differential Equations I	3	
Mathematics	W141*	Basic Mathematical Concepts	3	WI
		<i>or</i>		
Mathematics	Elective	Select one course 0200 or above	3-4	
		<i>or</i>		
Actuarial Science	0305 or 0306	Actuarial Modeling I or II	3	
		<i>or</i>		
Chemistry	0231 or 0232	Physical Chemistry Lecture I or II	3	
		<i>or</i>		
CIS	0211 or 0242	Automata, Computability, & Languages <i>or</i> Discrete Structures	3	
		<i>or</i>		
Economics	0241	Introduction to Econometrics	3	
		<i>or</i>		

Physics	0187 0188 0201 0202 0211 0231 or 0306	Electricity and Magnetism (with lab) Intro. To Modern Physics (with lab) Classical Mechanics Analytical Mechanics Classical Electromagnetics Thermodynamics and Kinetic Theory Introduction to Quantum Mechanics	3	
*Math W141 must be taken before Math W205 or Math 0247				

Year 3, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	W205	Modern Algebra	3	
Mathematics	0253	Numerical Analysis I	4	
Mathematics	0247	Advanced Calculus I	3	

Year 3, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	0248	Advanced Calculus II	3	
Mathematics	Elective	Select one course 0200 or above	3-4	
		<i>or</i>		
Actuarial Science	0305 or 0306	Actuarial Modeling I or II	3	
		<i>or</i>		
Chemistry	0231 or 0232	Physical Chemistry Lecture I or II	3	
		<i>or</i>		
CIS	0211 or 0242	Automata, Computability, & Languages <i>or</i> Discrete Structures	3	
		<i>or</i>		
Economics	0241	Introduction to Econometrics	3	
		<i>or</i>		
Physics	0187 0188 0201 0202 0211 0231 or 0306	Electricity and Magnetism (with lab) Intro. To Modern Physics (with lab) Classical Mechanics Analytical Mechanics Classical Electromagnetics Thermodynamics and Kinetic Theory Introduction to Quantum Mechanics	4 4 3 3 3 3 3	

Year 4, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	0347	Introduction to Functions of a Complex Variable	3	
Mathematics	Elective	Select one course 0300 or above	3-4	

Year 4, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	W363	Problem Solving Seminar	3	WI

Total Credits for B.S. Degree:	123
Credits in coursework for B.S. degree in Mathematics:	65-68
Core / Electives:	55-58

Intercollegial B.A. Degree in Mathematical Economics

Dr. Omar Hijab, Chair, Mathematics
Dr. Boris A. Datskovsky, Advisor, Department of Mathematics
Wachman Hall 632
215-204-7847
bdats@temple.edu

or

Dr. William J. Stull, Chair, Economics
 Dr. Dimitrios Diamantaras, Advisor, Department of Economics
 Ritter Annex 623
 215-204-8169
dimitrios.diamantaras@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. The program and its requirements are described in full in the "[Intercollegial Programs](#)" section of this *Bulletin*.

Interdisciplinary B.S. Degree in Mathematics and Physics

Dr. C. Jeff Martoff, Chair, Physics
 Dr. Zbigniew Dziembowski, Undergraduate Majors Advisor, Physics
 215-204-7639
zbig.dziembowski@temple.edu

Dr. Omar Hijab, Chair, Mathematics
 Dr. Boris Datskovsky, Director of Undergraduate Studies, Mathematics
 215-204-7847
bdats@temple.edu

Mathematics and Physics, B.S. Degree.

Calculus I, II, III; Calculus-based Physics I, II; Math W141, Math 0147, Math W205, Math 0233, Math 0247, Math 0248, Math 0251, Math 0253, Math 0347; Physics 0161, Physics 0171, Physics 0187 with lab, Physics 0188 with lab, Physics 0201, Physics 0202, Physics 0211, Physics W215, Physics 0231, Physics 0306; Math 0351 or Physics 0184.

Year 1, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	C085	Calculus I	4	QB
Mathematics	H095	Honors Calculus I	4	QB
Physics	C087	Elementary Classical Physics I	4	SA
Physics	0121	General Physics I	4	

Year 1, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	0086	Calculus II	4	
Mathematics	H096	Honors Calculus II	4	
Physics	C088	Elementary Classical Physics II	4	SB
Physics	0122	General Physics II	4	

Year 2, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	0127	Calculus III	4	
Mathematics	W141*	Basic Mathematical Concepts	3	WI
Physics	0171	Optics	3	
Physics	0187 and 0187L	Electricity and Magnetism with Lab	4	

*Note: Math W141 must be taken prior to Math W205 or Math 0247.

Year 2, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Physics	0184	Mathematical Physics	4	

Mathematics	0351	<i>or</i> Partial Differential Equations*	3	
Physics	0188 and 0188L	Introduction to Modern Physics with Lab	4	
Mathematics	0251	Differential Equations I	4	
Mathematics	0233	Introduction to Probability Theory	3	
*Math 0351 should be taken after Math 0251.				

Year 3, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	0147	Linear Algebra	3	
Mathematics	W205	Modern Algebra	3	WI
Mathematics	0247	Advanced Calculus I	3	
Physics	0231	Thermodynamics & Kinetic Theory	3	

Year 3, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Physics	0201	Classical Mechanics	3	
Physics	0211	Classical Electromagnetism	3	
Mathematics	0248	Advanced Calculus II	3	

Year 4, Fall Semester				
Department	Course #	Course Name	Hours	RCI
Mathematics	0347	Intro. to Functions of a Complex Variable	3	
Physics	0202	Analytical Mechanics	3	
Mathematics	0253	Numerical Analysis I	4	
Physics	0161	Computing for Scientists	3	
Physics	0306	Intro. to Quantum Mechanics	3	

Year 4, Spring Semester				
Department	Course #	Course Name	Hours	RCI
Physics	W215	Experimental Physics	3	WI

Total Credits for B.S. Degree:	123
Credits in coursework for B.S. in Math/Physics:	84-85
Core / Electives:	38-39

The interdisciplinary program is jointly administered by the departments of Mathematics and Physics. For further discussion of the Interdisciplinary major, see www.temple.edu/physics/undergradprog.html under "dual major in physics and mathematics."

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 0400 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 website:

www.temple.edu/bulletin/Academic_programs/schools_colleges/ed/intro/generalinfo/ed_generalinfo.shtm#teacher

Minor Requirements

- Three semesters of calculus (Math C085, Math 0086, and Math 0127).
- One semester of computer programming (Computer and Information Sciences: CIS C061, or CIS 0067, or CIS 0068, or CIS C071 or Physics 0161).
- Linear algebra (Math 0147)
- Five additional mathematics courses numbered 0200 or above; or Math W141 and four mathematics courses numbered 0200 or above. (Math W141 must be taken prior to Math W205 or Math 0247.)

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. A student must either have a GPA of 3.50 or higher in the following courses: Math 0247, Math 0248, Math W205, Math 0305, Math 0347 and any other 0300 level course other than individual study, or a student must complete a graduate math course (0400 level or higher) with a grade of B or better.

Physics

Dr. C. Jeff Martoff, Chair
Dr. Zbigniew Dziembowski, Advisor
Barton Hall A225
215-204-7639
zbig.dziembowski@temple.edu

The Physics Department offers B.A. and B.S. degree programs, both of which provide excellent preparation for graduate studies.

The B.S. program provides for a broadening of the more applied aspects of a student's training and is recommended particularly for those intending to enter industry with a bachelor's degree. Both the B.S. and the B.A. programs are options for those planning careers in the medical or life sciences.

Bachelor of Arts Requirements

Calculus I, II, III; Calculus-based Physics I, II; and Physics 0171, 0184, 0187, 0188, 0201, 0202, 0211, W215, 0231. In addition to these, one course must be chosen from: Physics 0161, 0221, 0306.

YEAR 1 – Fall				
Department	Course #	Course Name	Hours	RCI
<i>Select one:</i>				
Physics	C087	Elementary Classical Physics I	4	SA
Physics	0121	General Physics I	4	
<i>Select one:</i>				
Math	C085	Calculus I	4	QB
Math	H095	Honors Calculus I	4	QB
Subtotal			8	

YEAR 1 – Spring				
Department	Course #	Course Name	Hours	RCI
<i>Select one:</i>				
Physics	C088	Elementary Classical Physics II	4	SB

Physics	0122	General Physics II	4	
<i>Select one:</i>				
Math	0086	Calculus II	4	
Math	H096	Honors Calculus II	4	
Subtotal			8	

YEAR 2 – Fall				
Department	Course #	Course Name	Hours	RCI
Math	0127- section 006	Calculus III	4	
Physics	0161	Computing for Scientists*	3	
Subtotal			7	

*One course chosen from: Physics 0161, 0221, 0306

YEAR 2 – Spring				
Department	Course #	Course Name	Hours	RCI
Physics	0188	Intro. to Modern Physics w/ Lab	4	
Physics	0184	Mathematical Physics w/ Lab	4	
Physics	0201	Classical Mechanics	3	
Subtotal			11	

YEAR 3 – Fall				
Department	Course #	Course Name	Hours	RCI
Physics	0187	Electricity and Magnetism w/ Lab	4	
Physics	0202	Analytical Mechanics	3	
Subtotal			7	

YEAR 3 – Spring				
Department	Course #	Course Name	Hours	RCI
Physics	0211	Classical Electromagnetism	3	
Physics	0306	Intro. to Quantum Mechanics*		
Subtotal			3	

YEAR 4 – Fall				
Department	Course#	Course Name	Hours	RCI
Physics	0231	Thermodynamics and Kinetic Theory	3	
Physics	0221	Electronics w/ Lab*		
Physics	0171	Optics w/ Lab	3	
Subtotal			6	

YEAR 4 – Spring				
Department	Course #	Course Name	Hours	RCI
Physics	W215	Advanced Laboratory	3	WI
Subtotal			3	

Total Credits for B.A.:	123
Program Total:	53
Core / Electives:	70

Bachelor of Science Requirements

Calculus I, II, III; Calculus-based Physics I, II; Physics 0161, 0171, 0184, 0187, 0188, 0201, 0202, 0211, W215, 0231, 0306; Math 0251; two required science or mathematics electives. In addition to these, two courses must be chosen from: Physics 0221, 0321, 0341.

YEAR 1 – FALL and YEAR 1- SPRING				
Department	Course #	Course Name	Hours	RCI
Identical to B.A. Requirements				

YEAR 2 – Fall				
Department	Course #	Course Name	Hours	RCI

Math	0127 - section 006	Calculus III	4	
Math	0251	Differential Equations I	3	
Physics	0161	Computing for Scientists	3	
Subtotal			10	

YEAR 2 – Spring				
Department	Course #	Course Name	Hours	RCI
Physics	0188	Intro. to Modern Physics w/ Lab	4	
Physics	0184	Mathematical Physics w/ Lab	4	
Physics	0201	Classical Mechanics	3	
Subtotal			11	

YEAR 3 – Fall				
Department	Course#	Course Name	Hours	RCI
Physics	0187	Electricity and Magnetism w/ Lab	4	
Physics	0202	Analytical Mechanics	3	
Required Elective	Elective	Two courses in biology, chemistry, engineering, geology, mathematics, or advanced physics chosen in consultation with an advisor	6-8	
Subtotal			13-15	

YEAR 3 – Spring				
Department	Course #	Course Name	Hours	RCI
Physics	0211	Classical Electromagnetism	3	
Physics	0306	Intro. to Quantum Mechanics	3	
Subtotal			6	

YEAR 4 – Fall				
Department	Course#	Course Name	Hours	RCI
Physics	0231	Thermodynamics and Kinetic Theory	3	
Physics	0221	Electronics w/ Lab*	3	
Physics	0171	Optics w/ Lab	3	
Subtotal			9	

YEAR 4 – Spring				
Department	Course#	Course Name	Hours	RCI
Physics	W215	Experimental Physics	3	WI
Physics	0321	Intro. to Solid State Physics* (Note: Physics 0321 is offered in even-numbered years.)		
Physics	0341	Intro. to Atomic, Nuclear, and Particle Physics* (Note: Physics 0341 is offered in odd-numbered years.)	3	
Subtotal			6	

*Two courses chosen from: Physics 0221, 0321, 0341.

Total Credits for B.S.:	123
Program Total:	71-73
Core / Electives:	50-52

Minor Requirements

Students wishing to minor in Physics should take 8 semester hours of introductory Physics with laboratory (Physics C087-C088 or equivalent), Electricity and Magnetism with laboratory (Physics 0187 and 0187L) or Introduction to Electromagnetic Fields and Waves (Electrical Engineering 0220), Introduction to Modern Physics with laboratory (Physics 0188 and 0188L), and 6 additional semester hours of Physics courses at or above the 0100 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 0161, EE 0165, EE 0210, plus a minimum of 9 semester hours of 0200 and 0300 level electives, chosen in consultation with an advisor in the Electrical Engineering Department. (The labs for Engineering 0163 and EE 0165 largely duplicate labs for Physics 0187 and Physics 0221 and are not required.) The following example elective sequence emphasizes solid state devices and might be of particular interest to a Physics major: EE 0254/0255 and EE 0256/0257.

Requirements for the Mechanical Science Minor

Requirements for the Mechanical Science Minor are: Engineering 0134 or 0131, Engineering 0133, Engineering 0234, ME 0231, plus a minimum of 9 semester hours of electives. The elective courses can follow one of three tracks.

- The Thermodynamics and Combustion track comprises ME 0154, 0371, 0381, and 0372.
- The Electro-Mechanical Systems and Control track comprises EE 0063 and 0066, ME 0221, and ME 0322 or Engineering 0382.
- The Computer Aided Manufacturing track comprises Engineering 0310, ME 0375, and MET 0152.

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 website:

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.

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

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.

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

President's Scholars - A President's Scholar designation refers to a graduating senior who has earned a 3.75 cumulative GPA for the first seven semesters, or 108 credit hours. Transfer students must have completed a total of 60 credit hours at Temple by graduation. A special awards ceremony is held each year in April for these students and their families.

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 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 Student Services and Admissions 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/ae 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 Student Services and Admissions.

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.

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. Services are provided through the Office of Student Services and Admissions.

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.

New Career Ladders in Social Work

Ritter Annex - Fifth floor
215-204-8623 (Sande Gideon)

New Career Ladders is an alternative entry route to college for persons with demonstrated interest and motivation in the human services field and who meet the following criteria: 1) have been or are currently an employee or volunteer in a human service organization; 2) have a high school or GED diploma; and 3) are 22 years of age or older.

New Career Ladders students enter the undergraduate program leading to the degree of Bachelor of Social Work and are expected to meet all requirements of the curriculum. The resources of the University are available for tutoring and aid with study skills as well as for assistance in obtaining financial aid for those eligible. All New Career Ladders students attend communication skills classes to aid in their transition to higher education.

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 0051, Helping Processes I, which is only offered in the fall.

Students who transfer from two-year associate degree programs in Human Services are expected to complete all professional courses as well as the Core Curriculum.

SW C121 and SW 0122 are offered in the summer for transfer students who have successfully completed SW 0051-0052 and have the necessary credits (85) and courses to enroll in Senior Seminar and Senior Practica (SW W285/0290 - W286/0291) in the fall. Students are expected to be majors in the program a minimum of two years and a summer.

Policies and 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.

Courses Inapplicable to the Degree

Credits for ELECT, Mathematics 0015 (formerly Math 0001), Composition 0040, SRAP, and Military Science do not count toward graduation requirements.

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.

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 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 124 semester hours, the University Core 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 Temple Information Literacy Tutorial ([TILT](#)).

Important Student Contact Information

Director - Admissions and Student Services
School of Social Administration
Ritter Annex 521
215-204-8623

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. the 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. the provision of educational opportunities to a diverse population of students representative of the constituencies served;
3. the production of scholarship and research that contributes to the social work knowledge base;
4. the engagement in service-related activities with relevant constituencies.

B.S.W. Program Goals

Overall Program Goals

The primary goal of the Baccalaureate in Social Work (BSW) program is to prepare entry-level, generalist, social work practitioners committed to social work practice that ensures human rights and social, economic and cultural rights for all. Students who graduate from SSA understand the effects of structural inequities based on race, class, gender, sexual orientation, and other forms of oppression and discrimination. Graduates also practice social work using the strengths perspective and partner with people to increase access to resources and power.

Program 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.

Requirements for the Degree of Bachelor of Social Work (B.S.W.)

- Satisfactory completion of a minimum of 124 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

University Core Curriculum requirements (18 s.h.), Math 0055, English C050, Intellectual Heritage X051 and X052, 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 C051, C052, C050, or C055, History or African American Studies 0068, Anthropology C061, Human Biology C071 or KINES 0100, Science II, Political Science C051, Psychology C060, Sociology C050, Statistics C021 or Math C067 or SOC C067 or PSYCH C067.
4. Upper-level courses: Political Science (100+), Socio-Behavioral (100+). 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 MSW (or BSW 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	0050	Introduction to Social Welfare and Human Services	3	
English	C050	College Composition	3	CO
African American Studies	C068	African American History Since 1900 <i>or</i>	3	AC

History	C068	History of the U.S. Since 1877	3	AC
Math	C055	College Mathematics	3	QA
Sociology	C050	Introduction to Sociology	3	IN
Total			15	

YEAR 1 - SPRING				
Department	Course #	Course Name	Hours	RCI
Core	Elective	International Studies/Foreign Language	3	IS
Psychology	C060	Psychology as a Social Science	3	IN
Biology	C071	Human Biology (includes lab)	4	SA
Political Science	C051	The American Political System	3	AC
Social Work	0053	Communication in Social Work Practice	3	
Total			16	

YEAR 2 - FALL				
Department	Course #	Course Name	Hours	RCI
Social Work	0051	Helping Processes in Social Work I (6 hour/week field practicum requirement)	5	
Anthropology	C061	Cultures of the World	3	IS
Social Work	C060	Human Behavior in the Social Environment	3	IN
IH	X051	Intellectual Heritage I	3	IA
Required Elective		Elective or Certificate Course	3	
Core	Core	Library Orientation (TILT)	0	
Total			17	

YEAR 2 - SPRING				
Department	Course #	Course Name	Hours	RCI
Social Work	0052	Helping Processes in Social Work II (6 hour/week field practicum requirement)	5	
Social Work	0372	Social Worker in the Group	3	
Core	Elective	Arts	3	AR
IH	X052	Intellectual Heritage II	3	IB
<i>Select one of the following:</i>			3	
Sociology	C067	Social Statistics		QB
Psychology	C067	Foundations in Statistical Methods		QB
Math	C067	Elements of Statistics		QB
Statistics	C021	Statistical Methods and Concepts		QB
Total			17	

YEAR 3 - FALL				
Department	Course #	Course Name	Hours	RCI
Social Work	C121	The History & Values of Social Welfare	3	AC
Social Work	R365	Institutional Racism	3	RS
Political Science	100+	See Advisor for suggested courses 0100 and above	3	
Core		See Advisor for suggested courses	4	SB
Required Elective		Elective	3	
Total			16	

YEAR 3 - SPRING				
Department	Course #	Course Name	Hours	RCI
Social Work	0122	Social Welfare in the United States	3	
<i>Select one of the following Economics courses:</i>			3	
Economics	C050	Introduction to the Economy		IN
Economics	C051	Macroeconomic Principles		IS

Economics Economics	C052 C055	Microeconomic Principles Global Economics Issues		IS IS
Social Work	Upper- Level Elective	Upper-Level Socio-Behavioral Elective W100+ (See Advisor for suggested courses)	3	
Required Elective		Elective or Certificate Course	3	WI*
Total			12	
*Indicates Writing Intensive				

YEAR 4 - FALL				
Department	Course #	Course Name	Hours	RCI
Social Work	0280	Patterns of Social Service Delivery	3	
Social Work	W285	Seminar in Social Work Practice	3	WI*
Social Work	0290	Practicum (16 hour/week field practicum requirement)	5	
Social Work	0390	Introduction to Social Research	3	
Total			14	
*Indicates Writing Intensive				

YEAR 4 - SPRING				
Department	Course #	Course Name	Hours	RCI
Social Work	W286	Seminar in Social Work Practice	3	WI*
Social Work	0291	Practicum (16 hour/week field practicum requirement)	5	
Social Work	0391	Evaluating Programs and Practice in Social Work	3	
Social Work		Elective	3	
Total			14	
*Indicates Writing Intensive				

Transfer Students with 45 Credits or More 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 C051, C052, C050, or C055, History or African American Studies 0068, Anthropology C061, Human Biology 0071 or KINES 0100, Science II, Political Science C051, Psychology C060, Sociology C050, Statistics C021 or Math C067 or SOC C067 or PSYCH C067.
- Upper-level courses: Political Science (100+), Socio-Behavioral (100+). Students should refer to the BSW Handbook for suggested courses.

Courses in Social Work (59 s.h.)

YEAR 1 - FALL				
Department	Course #	Course Name	Hours	RCI
Social Work	0051	Helping Processes in Social Work I (6 hour/week field practicum requirement)	5	
Social Work	C060	Human Behavior in the Social Environment	3	IN
IH	X051	Intellectual Heritage I	3	IA
African American Studies	C068	African American History Since 1900 <i>or</i>	3	AC
History	C068	History of the U.S. Since 1877	3	AC
Anthropology	C061	Cultures of the World	3	IS
Total			17	

YEAR 1 - SPRING				
Department	Course #	Course Name	Hours	RCI
Social Work	0052	Helping Processes in Social Work II (6	5	

		hour/week field practicum requirement)		
Social Work	0053	Communication in Social Work Practice	3	
Social Work	0372	Social Worker in the Group	3	
Political Science	C051	The American Political System	3	AC
<i>Select one of the following:</i>			3	
Sociology	C067	Social Statistics		QB
Psychology	C067	Foundations in Statistical Methods		QB
Math	C067	Elements of Statistics		QB
Statistics	C021	Statistical Methods and Concepts		QB
Total			17	

YEAR 1 - SUMMER I				
Department	Course #	Course Name	Hours	RCI
Social Work	C121	The History and Values of Social Welfare	3	AC
Economics	C051	Macroeconomic Principles	3	IN
Total			6	

YEAR 1 - SUMMER II				
Department	Course #	Course Name	Hours	RCI
Social Work	0122	Social Welfare in the United States	3	
Social Work	Upper-level Elective	Upper-Level Socio-Behavioral Elective (See BSW Handbook for suggested courses)	3	
Total			6	

YEAR 2 - FALL				
Department	Course #	Course Name	Hours	RCI
Social Work	0280	Patterns of Social Service Delivery	3	
Social Work	W285	Seminar in Social Work Practice	3	WI*
Social Work	0290	Practicum (16 hour/week field practicum requirement)	5	
Social Work	0390	Introduction to Social Research	3	
Social Work	R365	Institutional Racism	3	RS
Total			17	

YEAR 2 - SPRING				
Department	Course #	Course Name	Hours	RCI
Social Work	W286	Seminar in Social Work Practice	3	WI
Social Work	0291	Practicum (16 hour/week field practicum requirement)	5	
Social Work	0391	Evaluating Programs & Practice in Social Work	3	
Social Work	Elective	See BSW Handbook for suggested courses	3	
Political Science	100+	See BSW Handbook for suggested courses	3	
Total			17	

*Indicates Capstone Class

SCHOOL OF TOURISM AND HOSPITALITY MANAGEMENT

Founded 1998

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Elizabeth H. Barber, Associate Dean
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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 (NASM/NASPE).

Goals and 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 course work in the University 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 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 freshmen students are admitted initially into the School of Tourism and Hospitality Management as undeclared majors. After one year of the School of Tourism and Hospitality Management core courses and careful career/academic advice from the Advising Center, students will be eligible to declare their specific major. All transfer students must seek individual program advice from the Advising Center.

Financial Aid and 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 unit.

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 website 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.

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.

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.

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).

International Special Events Society (ISES)

This national association is open to all majors in STHM. During the spring of 2005, a new Philadelphia student chapter was created. Exposure to local and national special events professionals is the highlight of this association. Opportunity to network at the monthly meeting with established ISES members has the potential to help propel a student's professional career.

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.

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.

Special Facilities and 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 the National Laboratory for Tourism & eCommerce 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

Jeffrey W. Montague, Assistant Dean

jeffrey.montague@temple.edu

Jennifer Thiel, Assistant Director of Student Services

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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 and 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 Administrative Offices located in 1700 N. Broad St., Suite 316 (062-62).

Program Performance - Students not in good standing are subject to collegial warning or probation, or they may be dropped from the school's academic programs and will be so notified by the Dean of the School of Tourism and Hospitality Management.

Transfer between Colleges within the University - Students may initiate transfer to the School of Tourism and Hospitality Management from another 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.

General School Graduation Requirements

Required GPA for Graduation

Students seeking a Bachelor of Science degree from the School of Tourism and Hospitality Management must complete 128 semester hours of coursework and have a cumulative GPA of 2.0 and a major GPA of 2.0.

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 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](#).

Important Student Contact Information

Contact information for academic programs can be found under the listing for each individual program.

Sport and Recreation Management

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School of Tourism and Hospitality Management Foundation Requirements

Department	Course #	Course Name	Hours	RCI
THM	0100	Career Orientation in Sport, Recreation, Tourism, & Hospitality	3	
THM	0200	Program & Special Event Planning	3	
THM	0230	Leisure & Tourism for a Diverse Society	3	
THM	0253	Computer Applications	3	
THM	0280	Internship I (Junior Internship 150 hours) (Prerequisite: Completion of all 0100-0200 level courses)	3	

THM	W312	Research Methodology (Prerequisite: Stat 0021 or approval from the STHM advisor)	3	WI
THM	0370	Senior Seminar (Prerequisite: Public Speaking 0065 and senior standing - see advisor)	3	
THM	0380	Internship II (Senior Internship 600 hours) (Prerequisite: Completion of all 0300 level courses)	12	
THM	0381	Senior Project (Prerequisite: Completion of all 0300 level courses)	3	
Total			36	

Major Requirements

Department	Course #	Course Name	Hours	RCI
THM	0101	Introduction to Sport & Recreation	3	
THM	0350	Management in Sport & Recreation	3	
THM	0352	Legal Issues in Sport & Recreation	3	
THM	0353	Financial Management in Sport & Recreation (Prerequisite: Econ C050, C051, or C052)	3	
THM	0355	Facility Management in Sport & Recreation	3	
THM	0359	Marketing in Sport & Recreation (Prerequisite: Econ C050, C051, or C052)	3	
Total			18	

Major Electives

Department	Course #	Course Name	Hours	RCI
<i>Select two:</i>			6	
THM	0331	eCommerce Business Models & Strategy	3	
THM	0354	Fundraising in Sport & Recreation	3	
THM	0360	Professional & Collegiate Sports: Current Issues	3	
THM	0361	Administration of College Athletics	3	
THM	0365	Meeting, Conference, & Event Management	3	
THM	0367	Entrepreneurship in Sport, Recreation, Tourism, & Hospitality	3	
THM	0369	Sport, Recreation, & Travel for Senior Populations	3	

Requirements External to the Department

Department	Course #	Course Name	Hours	RCI
STOC	0065	Public Speaking	3	
<i>Select one of the following courses:</i>			3	
Economics	C050	Introduction to the Economy <i>or</i>		IN
Economics	C051	Macroeconomics Principles <i>or</i>		IN
Economics	C052	Microeconomics Principles		IN
<i>Select one of the following courses:</i>			3	
Statistics	C011	Basic Quantitative Foundations for Business & Economics I <i>or</i>		QA
Statistics	C012	Basic Quantitative Foundations for Business & Economics II <i>or</i>		QB
Statistics	C021	Statistical Methods and Concepts (statistics course required of all transfer students)		QB
First Aid Certification			0	
CPR Certification		Community level or better	0	
Industry Related Experience		Minimum 250 hours of participation required prior to THM 0370 (Senior Seminar)	0	
Total		6 credits if Statistics has been taken, 9 credits if not taken at Transfer Institution	6 or 9	

Related Electives

Department	Course #	Course Name	Hours	RCI
<i>Select four from the following approved list:</i>			12	
Accounting	0001	Principles of Accounting I	3	
Accounting	0002	Principles of Accounting II (Prerequisite: Act 0001)	3	
American Studies	0103	American Places: Home, City, & Region	3	
American Studies	0104	The Arts in America	3	
Economics	C051	Macroeconomic Principles	3	IN
Economics	C052	Microeconomic Principles	3	IN
Economics	0265	The Economics of Sport (Prerequisite: Econ C051 and C052, or C050)	3	
English	W104	Writing for Business and Industry	3	WI
GUS	C050	Environment & Society	3	IN
GUS	R055	Urban Society: Race, Class, & Community	3	IN/RS
GUS	0262	Fundamentals of Geographic Information Systems	3	
HRM	0083	Organization & Management (Prerequisite: Engl C050)	3	
HRM	0200	Introduction to Human Resource Management (Prerequisite: HRM 0083)	3	
STOC	0221	Introduction to Public Relations (Prerequisite: Journ C055, 0150, and 0051, or permission of instructor)	3	
Advertising	0055	Introduction to Advertising (Prerequisite: Journ C055, 0150, 0051, or permission of instructor)	3	
Journalism	0280	Sports Writing (Prerequisite: Journ C055, 0150, and 0051, or permission of instructor)	2	
Law & Business	C001	Law & Society	3	IN
Law & Business	R050	Racial Discrimination Under the Law	3	AC/RS
Marketing	0081	Introduction to Marketing (Prerequisite: Econ C051 or C052)	3	
Marketing	0245	Strategic Application of Technology in Marketing (Prerequisite: Marketing 0081)	3	
Marketing	0250	International Marketing (Prerequisite: Marketing 0081)	3	
Political Science	0135	Urban Politics & Problems	3	WR
Political Science	0145	American State & Local Politics	3	
Risk Management & Insurance	0001	Introduction to Risk Management (Prerequisite: Completion of either Econ C051 or C052, and sophomore standing)	3	
See additional Related Electives under the Tourism & Hospitality Management Curriculum.				
Open Electives			7-14	
Total number of semester hours needed to graduate:			128	

Business Minor

Department	Course #	Course Name	Hours	RCI
Accounting	0001	Principles of Accounting I	3	
Accounting	0002	Principles of Accounting II (Prerequisite: Act 0001)	3	
Economics	C051	Macroeconomic Principles	3	IN
Economics	C052	Microeconomic Principles	3	IN
HRM	0083	Organization & Management (Prerequisite: Engl C050)	3	
Marketing	0081	Introduction to Marketing (Prerequisite: Econ C051 or C052 is a co-requisite or prerequisite)	3	
Risk Management & Insurance	0001	Introduction to Risk Management (Prerequisite: Completion of either Econ C051 or C052, and sophomore standing)	3	
Statistics	C021	Statistical Methods & Concepts (Prerequisite: C- or higher in Stat C011 or H091, or in Math C055, C075, or C085)	3	QB

Total			24	
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e-Business Certificate in Tourism, Hospitality, Sport and Recreation

Requirements				
Department	Course #	Course Name	Hours	RCI
THM	0253	Computer Applications (Prerequisite: CIS C055 or demonstration of computer competency)	3	
THM	0331	e-Business Models & Strategy (Prerequisite: THM 0253, THM 0332)	3	
THM	0332	Management Information Technology Systems in the Industry (Prerequisite: THM 0253)	3	
THM	0333	Case Studies in e-Commerce (Prerequisite: THM 0253, THM 0331, and THM 0332)	3	
Total			12	

Certificate of Specialization, Geography of Tourism

See Advisor

Certificate in the Geography of Sport, Recreation, and Tourism Planning

See Advisor

Tourism and Hospitality Management

Ira G. Shapiro, Department Chair
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School of Tourism and Hospitality Management Foundation Requirements

Department	Course #	Course Name	Hours	RCI
THM	0100	Career Orientation in Sport, Recreation, Tourism, & Hospitality	3	
THM	0200	Program & Special Event Planning	3	
THM	0230	Leisure & Tourism for a Diverse Society	3	
THM	0253	Computer Applications	3	
THM	0280	Internship I (Junior Internship 150 hours) (Prerequisite: Completion of all 0100-0200 level courses)	3	
THM	W312	Research Methodology (Prerequisite: Stat 0021 or approval from the STHM advisor)	3	WI
THM	0370	Senior Seminar (Prerequisite: Public Speaking 0065 and senior standing-see advisor)	3	
THM	0380	Internship II (Senior Internship 600 hours) (Prerequisite: Completion of all 0300 level courses)	12	
THM	0381	Senior Project (Prerequisite: Completion of all 0300 level courses)	3	
Total			36	

Major Requirements

Department	Course #	Course Name	Hours	RCI
THM	0102	Introduction to Tourism & Hospitality	3	
THM	0321	Management in Tourism & Hospitality	3	
THM	0322	Legal Issues in Tourism & Hospitality	3	
THM	0323	Financial Management in Tourism & Hospitality (Prerequisite: Econ C050, C051, or C052)	3	
THM	0324	Marketing & Sales in Tourism & Hospitality (Prerequisite: Econ C050, C051, or C052)	3	
Total			15	

Major Electives

Department	Course #	Course Name	Hours	RCI
<i>Select three of the following courses:</i>			9	
THM	0331	e-Commerce Business Models & Strategy	3	
THM	0362	Tourism Planning & Development	3	
THM	0363	Special Interest Tourism	3	
THM	0364	International Tourism	3	
THM	0365	Meeting, Conference, & Event Management	3	
THM	0366	Hotel & Lodging Operations Management	3	
THM	0367	Entrepreneurship in Sport, Recreation, Tourism, & Hospitality	3	
THM	0368	Food & Beverage Management	3	
THM	0369	Sport, Recreation, & Travel for Senior Populations	3	

Requirements External to the Department

Department	Course #	Course Name	Hours	RCI
STOC	0065	Public Speaking	3	
<i>Select one of the following:</i>			3	
Economics	C050	Introduction to the Economy		IN
Economics	C051	Macroeconomic Principles		IN
Economics	C052	Microeconomic Principles		IN
<i>Select one of the following:</i>			3	
Statistics	C011	Basic Quantitative Foundations for Business & Economics I		QA
Statistics	C012	Basic Quantitative Foundations for Business & Economics II		QB
Statistics	C021	Statistical Methods & Concepts (statistics course required of all transfer students)		QB
First Aid Certification			0	
CPR Certification		Community level or better	0	
Industry-Related Experience		Minimum 250 hours of participation required prior to Senior Seminar (THM 0370)	0	
Total		6 credits if Statistics has been taken, 9 credits if not taken at Transfer Institution	6 or 9	

Related Electives

Department	Course #	Course Name	Hours	RCI
<i>Select four from the following approved list:</i>			12	
Accounting	0001	Principles of Accounting I	3	
Accounting	0002	Principles of Accounting II (Prerequisite: Act 0001)	3	
American Studies	0103	American Places: Home, City, & Region	3	
American Studies	0104	The Arts in America	3	

Economics	C051	Macroeconomic Principles	3	IN
Economics	C052	Microeconomic Principles	3	IN
English	W104	Writing for Business & Industry	3	WI
GUS	0229	Geography of Travel & Tourism	3	
GUS	0262	Fundamentals of Geographic Information Systems	3	
GUS	0274	American Place	3	
History	0167	History of Philadelphia	3	
HRM	0083	Organization & Management (Prerequisite: Engl C050)	3	
HRM	0200	Introduction to Human Resource Management (Prerequisite: HRM 0083)	3	
STOC	0221	Introduction to Public Relations	3	
Advertising	0055	Introduction to Advertising	3	
Law & Business	C001	Law in Society	3	IN
Law & Business	R050	Racial Discrimination Under the Law	3	AC/R
Marketing	0081	Introduction to Marketing (Prerequisite: Econ C051 or C052)	3	
Marketing	0245	Strategic Applications of Technology in Marketing (Prerequisite: Marketing 0081)	3	
Marketing	0250	International Marketing (Prerequisite: Marketing 0081)	3	
Political Science	0135	Urban Politics & Problems	3	WR
Political Science	0145	American State & Local Politics	3	
Risk Management & Insurance	0001	Introduction to Risk Management (Prerequisite: Completion of either Econ C051 or C052, and sophomore standing)	3	
See additional Related Electives under the Sport and Recreation Management Curriculum.				
Open Electives			7-14	
Total number of semester hours needed to graduate:			128	

Business Minor

Department	Course #	Course Name	Hours	RCI
Accounting	0001	Principles of Accounting I	3	
Accounting	0002	Principles of Accounting II (Prerequisite: Act 0001)	3	
Economics	C051	Macroeconomic Principles	3	IN
Economics	C052	Microeconomic Principles	3	IN
HRM	0083	Organization and Management (Prerequisite: Engl C050)	3	
Marketing	0081	Introduction to Marketing (Prerequisite: Econ C051 or C052 is a co-requisite or prerequisite)	3	
Risk Management & Insurance	0001	Introduction to Risk Management (Prerequisite: Completion of either Econ C051 or C052, and sophomore standing)	3	
Statistics	C021	Statistical Methods and Concepts (Prerequisite: C- or higher in Stat C011 or H091, or in Math C055, C075, or C085)	3	QB
Total			24	

e-Business Certificate in Tourism, Hospitality, Sport and Recreation

Department	Course #	Course Name	Hours	RCI
THM	0253	Computer Applications (Prerequisite: CIS C055 or demonstration of computer competency)	3	
THM	0331	e-Commerce Business Models & Strategy (Prerequisite: THM 0253, THM 0332)	3	
THM	0332	Management Information Technology Systems in the Industry (Prerequisite: THM 0253)	3	
THM	0333	Case Studies in e-Commerce (Prerequisite: THM 0253, THM 0331, and THM 0332)	3	
Total			12	

Certificate of Specialization, Geography of Tourism

See Advisor

Certificate in the Geography of Sport, Recreation, and Tourism Planning

See Advisor