

Mathematics and Physics 2009-2010

Department of Mathematics
638 Wachman Hall
 (215) 204-7841
Chairperson: Dr. Omar Hijab
Faculty Advisor: Dr. Boris Datskovsky
<http://math.temple.edu>

Department of Physics
A116 Barton Hall
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Chairperson: Dr. Rongjia Tao
Faculty Advisor: Dr. Zbigniew Dziembowski
<http://temple.edu/physics>

Name: _____ **TU ID:** _____

Bachelor of Science

Recommended Sequence of Major Courses:

- Calculus I: Math 1041 _____
- Elementary Classical Physics I: Physics 1061 _____
- Calculus II: Math 1042 _____
- Elementary Classical Physics II: Physics 1062 _____

- Calculus III: Math 2043 _____
- Differential Equations w/Linear Algebra: Math 3045 _____
- Introduction to Probability Theory: Math 3031 _____
- Classical Mechanics: Physics 2101^S _____
- Mathematical Physics: Physics 2502^S _____
- Introduction to Modern Physics: Physics 2701^S _____

- Advanced Calculus I: Math 3141^F _____
- Analytical Mechanics: Physics 3101^F _____
- Electricity and Magnetism: Physics 3301^F _____
- Theoretical Linear Algebra: Math 3051 _____
- Advanced Calculus II: Math 3142^S _____
- Introduction to Quantum Mechanics: Physics 3701^S _____
- Make an Appointment for a Graduation Review _____

- Modern Algebra: Math 3098^F _____
- Computing for Scientists: Physics 2501^F _____
- Thermodynamics & Kinetic Theory: Physics 4101^F _____
- Introduction to Functions of a Complex Variable: Math 4051^F _____
- Senior Problem Solving: Math 4096^S **OR** Experimental Physics: Physics 4796^S _____
- Classical Electromagnetism: Physics 3302^S _____

CST Credit Requirements:

A minimum of **123** total credits
 A minimum of **45** Upper Level (UL) within
 CST/CLA (College of Science & Technology/College of Liberal Arts)
 A minimum of **90** credits within CST/CLA

Math Placement Results: Math 0701 Math 0702 Math 1021 Math 1022 Math 1041

NOTES:

^F = Fall Only ^S = Spring Only

Students must check the pre- and co-requisites for all courses before registering.

*Please refer to the bulletin for information on the interdisciplinary major at <http://www.temple.edu/physics/undergradprog.html>

The Undergraduate bulletin is the official source of major requirements at www.temple.edu/bulletin

Suggested Courses:

Appt Date: __/__/__ Time: __: __
 1810 Liacouras Walk, Suite 203

Revised Date: _____
 Advisor Initials: _____

Revised Date: _____
 Advisor Initials: _____

Revised Date: _____
 Advisor Initials: _____

Revised Date: _____
 Advisor Initials: _____

Revised on June 4, 2008

University Requirements

Appropriate University Curriculum: Gen Ed Freshman Traditional Core Core 45+ Core-to-Core

Gen Ed Curriculum

For Freshman Beginning Fall 2008 and after:

- Analytical Reading and Writing _____
- Mosaic I _____
- Mosaic II _____
- Quantitative Literacy _____
- Arts _____
- Human Behavior _____
- U.S. Society _____
- World Society _____
- Race and Diversity _____
- Science and Technology _____
- Science and Technology _____

Bachelor of Arts (BA) Only

- 2nd level of a Language _____

Note: Gen Ed curriculum applies to all newly admitted freshman in Fall 2008 or after and for all transfer students admitted Fall 2010 and after.

Core Curriculum

For transfer entering from Fall 2008 through Spring 2010 with 45 or fewer credits.

Traditional Core:

- English 802/812 _____
- American Culture _____
- Arts _____
- Individual and Society _____
- Studies in Race _____
- Foreign Language 2nd level* _____
- Foreign Language 3rd level* _____
- International Studies* _____
- International Studies* _____
- Science and Technology (SA) _____
- Science and Technology (SB/GS) _____
- Quantitative Reasoning (QA/GQ) _____
- Quantitative Reasoning (QB/GQ) _____
- Intellectual Heritage 0851 _____
- Intellectual Heritage 0852 _____
- Writing Intensive Elective _____
- Writing Intensive Elective _____
- Writing Intensive in Major _____

* **B.S.**

2 International Studies (IS/GG) or
2nd level of a language + 1 IS/GG or
3rd level of a language or Exemption^

* **B.A.**

2nd level of a language + 2 IS/GG or
3rd level/ Exempt^ + 1 IS/GG

English Placement Results:

English 701/711 English 802/812 Exempt

Foreign Language Placement Results:

_____ 1001 1002 1003 Exempt

All transfer students are required to complete the **Library Skills Test (TILT)** online at www.library.temple.edu.

Please consult with your assigned academic advisor if you have questions about the university curriculum you should be following.

The Undergraduate bulletin is the official source of University core or general education requirements at www.temple.edu/bulletin.

Revised Date: _____

Advisor Initials: _____

Revised Date: _____

Advisor Initials: _____

Revised Date: _____

Advisor Initials: _____

Revised Date: _____

Advisor Initials: _____

For students receiving 45 or more credits in transfer.

Core 45+:

- English 802/812 _____
- American Culture _____
- Arts _____
- Individual and Society _____
- Studies in Race _____
- Science and Technology (SA or SB) _____
- Quantitative Reasoning (QA or QB) _____
- Intellectual Heritage 0851 or 0852 _____
- Writing Intensive Elective (Must be taken at Temple) _____
- Writing Intensive in Major (Must be taken at Temple) _____
- Foreign Language 2nd level** _____
- Foreign Language 3rd level** _____
- International Studies** _____
- International Studies** _____

} 2 of the 3

** **B.S.**

1 International Studies (IS/GG) or
2nd level of a language/Exempt^

** **B.A.**

2nd level of a language + 2 IS/GG or
3rd level/ Exempt^ + 1 IS/GG

For students who have completed an approved Associate's

Core-to-Core: degree from a college that has an established transfer agreement.

- Writing Intensive Elective (Must be taken at Temple) _____
- Writing Intensive in Major (Must be taken at Temple) _____

B.A.—Must follow the traditional core foreign language/IS/GG requirements