# Department of Physics

255 Bio-Life Building 215-204-7634  
Chairperson: Dr. Rongjia Tao  
Faculty Advisor Dr. Zbigniew Dziembowski  
www.temple.edu/physics

## CST Credit Requirements:

- **123 minimum total credits**  
- **90 minimum CST/CLA credits**  
- **45 minimum upper-level (2000+) CST/CLA credits**

**Backtracking rule:** Credit for some courses two or more levels below previously completed coursework cannot be used towards the degree.

### Bachelor of Arts

**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 ______
- □ Mathematical Physics: Physics 2502s ______
- □ Introduction to Modern Physics: Physics 2796s ______
- □ Electricity & Magnetism: Physics 3301f ______
- □ Sequenced Science Part I*: ________
- □ Classical Mechanics: Physics 2101s ______
- □ Sequenced Science Part II*: ________
- □ Make an Appointment for a Graduation Review
- □ Physics Elective**: ________
- □ Physics Elective**: ________
- □ Experimental Physics: Physics 4796s ______
- □ Physics Elective**: ________

**CST College Requirements:**

- □ Upper Level Liberal Arts course (2000+) ________
- □ Upper Level Liberal Arts course (2000+) ________

**Notes:**

- □ Refer to the Undergraduate Bulletin for physics elective course options.
- □ Refer to the Undergraduate Bulletin for sequenced science course or science elective course options (with consultation of faculty advisor).
- The Undergraduate Bulletin is the official source for major requirements: www.temple.edu/bulletin.

### 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 I: Math 3041 ______
- □ Computing for Scientists: Physics 2501F ______
- □ Classical Mechanics: Physics 2101s ______
- □ Mathematical Physics: Physics 2502s ______
- □ Introduction to Modern Physics: Physics 2796s ______
- □ Analytical Mechanics: Physics 3101f ______
- □ Electricity & Magnetism: Physics 3301f ______
- □ Science Elective I*: ________
- □ Make an Appointment for a Graduation Review
- □ Classical Electromagnetism: Physics 3302s ______
- □ Intro to Quantum Mechanics: Physics 3701s ______
- □ Science Elective II*: ________
- □ Thermodynamics & Kinetic Theory: Physics 4101f ______
- □ Intro Atomic, Nuc. & Part. Phys: Physics 4702^f ______
- □ Optics: Physics 4302f ______
- □ Intro to Solid State Physics: Physics 4701^se ______
- □ Electronics: Physics 4301^so ______
- □ Experimental Physics: Physics 4796s ______

^Note: Complete 2 of the 3 courses: Phys 4301, 4701 or 4702

### Placement:

- Math:  
  - F = Fall Only  
  - S = Spring Only  
  - E = Even Yrs Only  
  - O = Odd Yrs Only

Please check all pre- and co-requisites for courses before registering.

### Suggested Courses:

- □ __________
- □ __________
- □ __________
- □ __________
- □ __________

### Notes:

- □ __________
- □ __________
- □ __________
- □ __________
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### University Requirements 2013-2014

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<th>Appropriate University Curriculum:</th>
<th>Gen Ed Traditional</th>
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#### Gen Ed Curriculum

**Gen Ed Traditional:**

- □ Analytical Reading & Writing: Eng 0802
- □ Mosaic I: Intel Heritage 0851
- □ Mosaic II: Intel Heritage 0852
- □ US Society
- □ Human Behavior
- □ Arts
- □ Diversity and Race
- □ Global/World Society
- □ Quantitative Literacy **
- □ Science and Technology **
- □ Science and Technology **

** may be waived based on major courses

**Bachelor of Arts (BA) Only**

- □ 2nd level of a Language

#### Gen Ed-to-Gen Ed:

Transfer students with a pre-approved Associate’s degree from an institution that has an established transfer agreement with Temple have satisfied their GenEd requirements, with the following exception for BA students:

**Bachelor of Arts (BA) Only**

- □ 2nd level of a Language

#### Gen Ed online:

- [www.temple.edu/gened](http://www.temple.edu/gened)
- [www.temple.edu/vpus/transfer/TransferGenEd.htm](http://www.temple.edu/vpus/transfer/TransferGenEd.htm)

#### University Core:

Students who were admitted as freshmen prior to fall 2008, or were admitted as transfers prior to fall 2010, follow the University Core curriculum instead of the Gen Ed curriculum.

#### Undergraduate Bulletin:

The Undergraduate Bulletin is the official reference for University Requirements at: [www.temple.edu/bulletin](http://www.temple.edu/bulletin).

#### Note:

No more than two courses from the same department may be used to satisfy GenEd requirements. GenEd courses may not be used to satisfy major requirements.

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<td>Advisor:</td>
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**Note:** Students must complete at least 2 Writing-Intensive (WI) courses within the major, to be taken at Temple. These must be specific courses or course combinations within the major, or electives required for the major. These courses must be taken at Temple University. Writing-Intensive courses are numbered XX96, XX97, or XX98.