**Physics**

**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.

### Name:

**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 2502
- Introduction to Modern Physics: Physics 2796
- Electricity and Magnetism: Physics 3301
- Sequenced Science Part 1
- Classical Mechanics: Physics 2101
- Sequenced Science Part 2
- Make an Appointment for a Graduation Review
- Experimental Physics: Physics 4796
- Physics Elective
- Physics Elective
- Physics Elective

**CST College Requirements:**
- Upper Level Liberal Arts Course 2000+
- Upper Level Liberal Arts Course 2000+

**Placement: Math:**

**English:**

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

**Suggested Courses:**

- __________________
- __________________
- __________________
- __________________

**TUID:**

**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 2501
- Classical Mechanics: Physics 2101
- Mathematical Physics: Physics 2502
- Introduction to Modern Physics: Physics 2796
- Analytical Mechanics: Physics 3101
- Electricity and Magnetism: Physics 3301
- Science Elective
- Science Elective
- Classical Electromagnetism: Physics 3302
- Intro to Quantum Mechanics: Physics 3701
- Make an Appointment for a Graduation Review
- Thermodynamics and Kinetic Theory: Phys 4101
- Optics: Physics 4302
- Intro Atomic, Nuclear & Part. Phys: Phys 4702
- Electronics: Physics 4301
- Intro to Solid State Physics: Physics 4701
- Experimental Physics: Physics 4796

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

**FL:**

**Notes**
## University Requirements 2011-2012

### Appropriate University Curriculum:

<table>
<thead>
<tr>
<th>Gen Ed Traditional</th>
<th>Gen Ed 45+ (45 or more transfer credits):</th>
<th>Gen-ed-to-Gen Ed</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Analytical Reading &amp; Writing: Eng 0802________</td>
<td>□ Analytical Reading &amp; Writing: Eng 0802______</td>
<td>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</td>
</tr>
<tr>
<td>□ Mosaic I: Intel Heritage 0851 _____________</td>
<td>□ Mosaic I or II: Intel Heritage 0851 or 0852 _____</td>
<td>□ 2ⁿ level of a Language ____________</td>
</tr>
<tr>
<td>□ Mosaic II: Intel Heritage 0852_________</td>
<td>□ US Society ___________</td>
<td>Gen Ed online:</td>
</tr>
<tr>
<td>□ US Society ________________</td>
<td>□ Human Behavior ________________</td>
<td><a href="http://www.temple.edu/gened">www.temple.edu/gened</a></td>
</tr>
<tr>
<td>□ Human Behavior ________________</td>
<td>□ Arts ________________</td>
<td><a href="http://www.temple.edu/vpus/transfer/TransferGenEd.htm">www.temple.edu/vpus/transfer/TransferGenEd.htm</a></td>
</tr>
<tr>
<td>□ Diversity and Race ________________</td>
<td>□ Diversity and Race ________________</td>
<td>University Core:</td>
</tr>
<tr>
<td>□ Global/World Society ________________</td>
<td>□ Global/World Society ________________</td>
<td>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.</td>
</tr>
<tr>
<td>□ Quantitative Literacy * _______________</td>
<td>□ Quantitative Literacy * _______________</td>
<td>Undergraduate Bulletin:</td>
</tr>
<tr>
<td>□ Science and Technology * _______________</td>
<td>□ Science and Technology * _______________</td>
<td>The Undergraduate Bulletin is the official reference for University Requirements at: <a href="http://www.temple.edu/bulletin">www.temple.edu/bulletin</a>.</td>
</tr>
<tr>
<td>□ Science and Technology * _______________</td>
<td>□ Science and Technology ________________</td>
<td>** May be waived based on major courses</td>
</tr>
<tr>
<td>* May be waived based on major courses</td>
<td></td>
<td>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.</td>
</tr>
</tbody>
</table>

### Bachelor of Arts (BA) Only

| □ 2ⁿ level of a Language ____________ | □ 2ⁿ level of a Language ____________ |

### 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