### Department of Physics

406 Science Education & Research Center  215-204-7634  
Chair: Dr. James Napolitano  
Faculty Advisors: Dr. Zbigniew Dziembowski (A-F)  
  Dr. Tan Yuen (N-Z)  
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 1038* or 1041 or 1941
- Physics I: Phys 1061 or 1961H or 2021 or 2921FH
- Calculus II: Math 1042 or 1942H
- Physics II: Phys 1062 or 1962H or 2022 or 2922SH
- Calculus III: Math 2043 or 2943H
- 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+)

**Refer to the Undergraduate Bulletin for physics elective course options and for approved Sequenced Science options.

### Bachelor of Science

#### Recommended Sequence of Major Courses:

- Calculus I: Math 1038* or 1041 or 1941
- Physics I: Phys 1061 or 1961H or 2021 or 2921FH
- Calculus II: Math 1042 or 1942H
- Physics II: Phys 1062 or 1962H or 2022 or 2922SH
- Calculus III: Math 2043 or 2943H
- Differential Equations I: Math 3041 OR Math 3045F OR Math 3046S
- 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 4702F
- Optics: Physics 4302F
- Intro to Solid State Physics: Physics 4701SF OR Electronics: Physics 4301SO
- Experimental Physics: Physics 4796S

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

### Placement: Math: | English: | FL:

**Notes:**

- Fall Only  
- Spring Only  
- Even Yrs Only  
- Odd Yrs Only  
- Honors Students Only

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

*Students who choose Math 1038 must also take the corresponding section of the linked course Math 1039

**Refer to the Undergraduate Bulletin for elective course options (with consultation of faculty advisor).

The Undergraduate Bulletin is the official source for major requirements and elective options: [http://bulletin.temple.edu](http://bulletin.temple.edu)

### Suggested Courses:

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<th>Suggested Courses:</th>
<th>Notes:</th>
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### Office Use Only: CR Path
### University Requirements 2016-2017

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<tr>
<th>Appropriate University Curriculum:</th>
<th>Gen Ed Traditional</th>
<th>Gen Ed 45+</th>
<th>Gen Ed-to-Gen Ed</th>
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#### Gen Ed Traditional:
- ☐ Analytical Reading & Writing: Eng 0802
- ☐ Mosaic I: Intel Heritage (IH) 0851
- ☐ Mosaic II: Intel Heritage (IH) 0852
- ☐ US Society (GU)
- ☐ Human Behavior (GB)
- ☐ Arts (GA)
- ☐ Diversity and Race (GD)
- ☐ Global/World Society (GG)
- ☐ Quantitative Literacy (GQ)
- ☐ Science and Technology (GS)

**may be satisfied through major coursework**

**Bachelor of Arts (BA) Only**
- ☐ 2nd level of a Language

#### Gen Ed 45+ (45 or more transfer credits):
- ☐ Analytical Reading & Writing: Eng 0802
- ☐ Mosaic I or II: Intel Heritage (IH) 0851 or 0852
- ☐ US Society (GU)
- ☐ Human Behavior (GB)
- ☐ Arts (GA)
- ☐ Diversity and Race (GD)
- ☐ Global/World Society (GG)
- ☐ Quantitative Literacy (GQ)
- ☐ Science and Technology (GS)

**may be satisfied through major coursework**

**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:
- [http://bulletin.temple.edu](http://bulletin.temple.edu)

**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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**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.