**Physics 2014-2015**

**Department of Physics**
255 Bio-Life Building  215-204-7634
Chairperson: Dr. Xiaoxing Xi
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.

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**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 & Magnetism: Physics 3301
- Sequenced Science Part I*:
- Classical Mechanics: Physics 2101
- Sequenced Science Part II*:
- Make an Appointment for a Graduation Review
- Physics Elective**:
- Physics Elective**:
- Experimental Physics: Physics 4796

**CST College Requirements:**
- Upper Level Liberal Arts course (2000+)
- Upper Level Liberal Arts course (2000+)

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

**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).
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- 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).

The Undergraduate Bulletin is the official source for major requirements: www.temple.edu/bulletin.

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**Placement:** Math: English: FL:

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□ **F4**
### University Requirements 2014-2015

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#### Gen Ed Curriculum

**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)**

**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
- 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

**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.

- Date: __________   Date: __________
- Advisor: __________   Advisor: __________
- Student: __________   Student: __________
- Date: __________   Date: __________
- Advisor: __________   Advisor: __________
- Student: __________   Student: __________

**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.