# Biophysics

## 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 Science

### Recommended Sequence of Major Courses:
- General Chemistry I: Chem 1031
- General Chemistry Lab I: Chem 1033
- Calculus I: Math 1041
- General Chemistry II: Chem 1032
- General Chemistry Lab II: Chem 1034
- Calculus II: Math 1042
- Organic Chemistry I: Chem 2201
- Organic Chemistry Lab I: Chem 2203
- Calculus III: Math 2043
- General Physics I: Physics 2021 [or Physics 1061]
- Organic Chemistry II: Chem 2202
- Organic Chemistry Lab II: Chem 2204
- General Physics II: Physics 2022 [or Physics 1062]
- Introduction to Biology II: Bio 2112
- Electricity & Magnetism: Physics 3301
- Biophysics Elective*: ________
- Make an Appointment for a Graduation Review
- Mathematical Physics: Physics 2502
- Introduction to Modern Physics: Physics 2796
- Biophysics Elective*: ________
- Cell Structure & Function: Bio 3096
- Thermodynamics & Kinetic Theory: Physics 4101
- Biophysics Elective*: ________
- Genetics: Bio 2296
- Biophysics Elective*: ________

### Graduation Review:
At the completion of 90 credits, or when one or two semesters of coursework remain, schedule your graduation review with the CST Advising Office.

*NOTE: Four electives must be chosen in consultation with the Physics advisor. At least two electives must be Physics courses. Choose courses in Physics, Biology (Neurobiology, Genetics, Cell Structure, Physiology), Chemistry (Physical Chemistry), Biochemistry and Biophysics.

**NOTE: Biology 1111 is a prerequisite for Bio 2296 and 3096.

### Placement:
- Math:
- English:
- FL:

### Notes:
- Fall Only  $= Spring Only
- Please check all pre- and co-requisites for courses before registering.
- Biophysics electives must be chosen in consultation with the Biophysics Faculty Advisor. Refer to the Bulletin for elective course recommendations.

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

### Suggested Courses:

- __________
- __________
- __________
- __________

### NOTES:

- __________
- __________
- __________
- __________

- CR path
### University Requirements 2013-2014

**Appropriate University Curriculum:** Gen Ed Traditional | Gen Ed 45+ | Gen Ed-to-Gen Ed

#### Gen Ed Curricular

**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 **

**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](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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**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.