

Bachelor of Science Degree – Physics [Standard Track] 2003-04

Department of Physics

A116 Barton Hall (215) 204-7634
Chairperson: Dr. Edward Gawlinski
Faculty Advisor: Dr. Donald Neville
 www.temple.edu/physics

- **123 credits, 90** of which must be in CST/CLA courses
- **45 credits** must be upper level coursework in CST/CLA
- Appropriate Core Curriculum requirements:
 - Traditional Core 45 Core to Core
- The following requirements for the Physics Major:

[Math Sequence: 0015 > 0045 > C073 > C074 > C085 > 0086

First Year

- Calculus I (Math C085 or H095)
- Calculus II (Math 0086 or H096)
- Classical Physics I (Physics C087) or General Physics I (121)
- Classical Physics II (Physics C088) or General Physics II (122)

Second Year

- Calculus III (Math 127)
- Optics (Physics 171)
- Mathematical Physics (Physics 184)
- Electricity & Magnetism with Lab (Physics 187 & 187L)
- Intro to Modern Physics with Lab (Physics 188 & 188L)
- Differential Equations (Math 251)

Third Year

- Mechanics (Physics 201)
- Thermodynamics (Physics 231)
- Electromagnetism (Physics 211)
- Computing for Scientists (Physics 161)
- Two courses in biology, chemistry, engineering, geology, mathematics or advanced physics chosen in consultation with an advisor.

Fourth Year

- Experimental Physics (Physics W215)
- Mechanics (Physics 202)
- Quantum Mechanics (306)
- Two courses chosen from: Electronics (221), Introduction to Solid State Physics (321), or Introduction to Atomic, Nuclear, and Particle Physics (341)

*Recommended for graduate school:
 Physics 306, 321, or 341

Traditional Core

For students starting as freshmen or transferring with fewer than 45 credits.

- English 50 _____
- American Culture _____
- The Arts _____
- Individual and Society _____
- Studies in Race _____
- Foreign Language 2nd level* _____
- Foreign Language 3rd level* _____
- International Studies* _____
- International Studies (non western)* _____
- Science and Technology Level 1 _____
- Science and Technology Level 2 _____
- Quantitative Reasoning Level 1 _____
- Quantitative Reasoning Level 2 _____
- Intellectual Heritage X051 _____
- Intellectual Heritage X052 _____
- Writing Intensive Elective _____
- Writing Intensive Elective (Must be taken at Temple) _____
- Writing Intensive in Major (Must be taken at Temple) _____

*B.S.

- 2 International Studies (IS) or
- 2nd level of a language + 1 IS or
- 3rd level of a language /Exempt^

Core 45 +

For students receiving 45 credits or more in transfer.

- English 50 _____
 - American Culture _____
 - The Arts _____
 - Individual and Society _____
 - Studies in Race _____
 - Science and Technology Level _____
 - Quantitative Reasoning Level _____
 - Intellectual Heritage X051 or X052 _____
 - Writing Intensive Elective (Must be taken at Temple) _____
 - Writing Intensive in Major (Must be taken at Temple) _____
 - Foreign Language• _____
 - International Studies• _____
- } 2 of the 3

•B.S.

- 1 International Studies (IS) or
- 2nd level of a language/Exempt^

Core to Core

For students who have completed an Associate's degree from a college that has an established transfer agreement with Temple.

- Writing Intensive Elective (Must be taken at Temple) _____
- Writing Intensive in Major (Must be taken at Temple) _____

^If English is your second language, speak with an advisor about possible exemption.