

www.PhysicsAndAstronomy.Pitt.edu/Undergraduate/Degree-Programs

Revised: 10/2022

The University of Pittsburgh a collaboration between the Department of Physics and Astronomy in the Dietrich School of Arts and
S PHYS 0477 Introduction to Thermodynamics, y Relativity, 6 and
Quantum Theory

___ PHYS 1331 Mechanics

___ PHYS 1341 Thermodynamics and Statistical Mechanics

___ PHYS 1351 Intermediate Electricity/Magnetism

___ PHYS 1370 Quantum Mechanics

Introductory and Intermediate Computer Science

___ CMPINF 0401 Intermediate Programming

___ CS 0441 Discrete Structures for CS

Grade requirements

A minimum GPA of 2.0 in departmental courses is required for graduation.

Satisfactory/No Credit option

No PHYS courses beyond the introductory level may be taken on an S/NC basis.

Writing (W) requirement

Students must complete at least one W-course in the major.

Honors major requirements

Honors in physics is granted if in addition to fulfilling all requirements for the major, the student:

- maintains a GPA of 3.2 or higher in the major;
- maintains a cumulative GPA of 3.0 or higher;
- completes PHYS 1903 Directed Research;
- submits a paper detailing the research within the department; and
- presents the research in a public forum (i.e. at the University's Science Symposium, the undergraduate poster fair hosted by the University Honors College).

Education concentration

This concentration removes up to 10 credits of Physics courses from the standard Physics major requirements. This concentration requires seven credits of lab courses instead of the standard 10 credits.

Additional education related courses

- ___ PSYED 1001 Introduction to Educational Psychology (3 cr.)
- ___ IL 1580 Foundations of Special Education (3 cr.)

Additional courses emphasizing the broader impact of science; choose at least 3 credits

- ___ PHYS 0086 Physics and Public Policy (3 cr.)
- ___ PHYS 0087 Physics and Society (3 cr.)
- ___ Any course offered by the Department of History of Philosophy and Science

Required courses from the Science electives

Group A

- ___ CHEM 0110 General Chemistry 1 or CHEM 0710 Honors General Chemistry 1 (4 cr.)
- ___ CHEM 0120 General Chemistry 2 or CHEM 0720 Honors General Chemistry 2 (4 cr.)

Group B

- ___ PHYS 0481 Applications of Modern Physics (3 cr.)

Physics courses removed

- ___ PHYS 1321 Computational Methods in Physics
- ___ PHYS 1341 Thermodynamics and Statistical Mechanics
- ___ PHSY 1370 Quantum Mechanics 1

Advising

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