

# PHYSICS (MINOR)

Department Website (<http://as.nyu.edu/physics/>)

## Program Description

Physics is the most basic of the natural sciences. It is concerned with understanding the world on all scales of length, time, and energy. The methods of physics are diverse, but they share a common objective to develop and refine fundamental models that quantitatively explain observations and the results of experiments. The discoveries of physics rank among the most important achievements of human inquiry and have had an enormous impact on human culture and civilization. Members of the department conduct research in the fields of astrophysics, biophysics, cosmology, elementary particle physics, gravitation, hard and soft condensed matter physics, and statistical physics, carrying out experimental work in state-of-the-art laboratories in the department and at such national and international facilities as the Large Hadron Collider at CERN and large astronomical observatories.

The educational programs of the department are aimed at providing a range of courses to meet the needs of different student groups. For undergraduate physics majors, there is a rigorous core program, exposure to current frontiers, and opportunities for research. For science majors outside of physics, there are technical courses that emphasize the fundamental physical laws that underpin other sciences; and for other majors, nontechnical courses introduce some of the most important concepts of physics and their impact on the contemporary world.

## Minor Declaration

To request declaration of a minor, CAS students should visit the host department. To request declaration of a cross-school minor, CAS students should complete the online Minor Application available in their Albert Student Center. Students may also use the Minor Application (<http://www.nyu.edu/students/student-information-and-resources/registration-records-and-graduation/registration.html>) in Albert to request cancellation of a CAS or cross-school minor.

## Program Requirements

The minor requires the completion of four courses from the physics course list below, or three courses from the physics course list below and one course from the astronomy course list below, all completed with a grade of C or better.

### Physics Courses

Course	Title	Credits
PHYS-UA 11	General Physics I	5
PHYS-UA 12	General Physics II	5
PHYS-UA 15	Introduction to Cosmology	4
PHYS-UA 20	20th Cent Concepts of Space, Time, & Matter	4
One Physics course at, or above, PHYS-UA 91 (except for pure laboratory courses)		3
<b>Total Credits</b>		<b>21</b>

### Astronomy Courses

Course	Title	Credits
PHYS-UA 7	The Universe: Its Nature and History	4
PHYS-UA 13	Observational Astronomy	4

PHYS-UA 15	Introduction to Cosmology	4
PHYS-UA 150	Astrophysics	4

## Policies

### NYU Policies

University-wide policies can be found on the New York University Policy pages (<https://bulletins.nyu.edu/nyu/policies/>).

### College of Arts and Science Policies

A full list of relevant academic policies can be found on the CAS Academic Policies page (<https://bulletins.nyu.edu/undergraduate/arts-science/academic-policies/>).