

# PHYSICS ASSOCIATE IN SCIENCE

Plus General Education (<https://catalog.gcccd.edu/grossmont/admission-information/general-education-transfer/>) and Elective Requirements



The Associate in Science Physics Degree Program offers a secure foundation for further study in physics or engineering. The primary emphasis of the program is to prepare students for transfer to four-year institutions as science or engineering majors. Students are asked to consult the catalog of the transfer institution for specific requirements.

In addition to the required and elective courses, physics students are expected to attend at least four physics or engineering colloquia in their last semester.

## Career Opportunities

<https://www.grossmont.edu/student-support/career-center/resources.php>

Aerodynamist<sup>1</sup>  
 Airplane Navigator<sup>1</sup>  
 Air Pollution Operating Specialist  
 Ballistics Expert  
 Engineer (Mechanical, Electrical)<sup>1</sup>  
 Hydrologist<sup>1</sup>  
 Instructor / Professor<sup>1</sup>  
 Industrial Hygienist  
 Pharmacist<sup>1</sup>  
 Physicist (Mechanical, Laser, Electrical, Optics, etc.)<sup>1</sup>  
 Premedical<sup>1</sup>

<sup>1</sup> Bachelor's Degree or higher required.

The Program-level Student Learning Outcomes (PSLOs) below are outcomes that students will achieve after completing specific degree / certificate requirements in this program.

1. Students will apply the fundamental principles of physics to real world or idealized situations.

## Associate Degree Major Requirements

**Note: All courses must be completed with a letter grade of "C" or higher or "Pass."**

Code	Title	Units
CHEM-141	General Chemistry I	5
CHEM-142	General Chemistry II	5
MATH-180	Analytic Geometry and Calculus I	5
MATH-280	Analytic Geometry and Calculus II	4
MATH-281	Multivariable Calculus	4
PHYC-201	Mechanics and Waves	5
PHYC-202	Electricity, Magnetism, and Heat	5
PHYC-203	Light, Optics, and Modern Physics	5
<b>Total Units</b>		<b>38</b>