

PHYSICS ASSOCIATE IN SCIENCE



Physics is the study of the relationship between matter and energy in the universe. The curriculum is designed to provide students working toward a bachelor's degree a well-balanced, lower division program by emphasizing fundamental concepts and problem solving. The degree requirements are typical of what four-year colleges and universities require; see www.assist.org (<http://www.assist.org>) for requirements of specific transfer institution.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Draw scientific conclusions about simple and complex systems by collecting, assessing, and analyzing information.
- Communicate technical ideas in group and professional settings in both written and oral form.

Career Opportunities

College or University Professor¹

Data Scientist¹

Engineer or Programmer¹

Government Laboratory Scientist¹

High School Physics Teacher¹

Industry Consultant¹

Medical Physicist¹

Private Sector Research and Development Scientist¹

Sales and Marketing Consultant¹

¹ Bachelor Degree or higher required.

Associate in Science Degree Requirements

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
Total Units		38

Plus General Education Requirements (<https://catalog.gccd.edu/cuyamaca/degree-requirements-transfer-information/>)