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 Professor[1]
Data Scientist[1]
Engineer or Programmer[1]
Government Laboratory Scientist[1]
High School Physics Teacher[1]
Industry Consultant[1]
Medical Physicist[1]
Private Sector Research and Development Scientist[1]
Sales and Marketing Consultant[1]

[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.gcccd.edu/cuyamaca/degree-requirements-transfer-information/)