

PHYSICS ASSOCIATE OF SCIENCE DEGREE

To graduate with a specialization in Physics, students must complete the following required courses plus the general breadth requirements for the Associate Degree (minimum total = 60 units).

Code	Title	Units
Required Courses		
PHYSIC 202	Physics I	4
PHYSIC 203	Physics II	4
PHYSIC 204	Physics III	4
PHYSIC 210	Modern Physics	4
MATH 250	Single Variable Calculus I	4
MATH 251	Single Variable Calculus II	4
MATH 252	Multivariable Calculus	5
Total Units		29

Code	Title	Units
Recommended Courses		
CHEM 150	General Chemistry I	5
CHEM 151	General Chemistry II	5

To earn an SBVC Associate Degree students must complete one of the following general education patterns:

SBVC GE requirements (<https://www.valleycollege.edu/student-services/counseling/graduation-requirements/>)

CSU GE requirements (<https://www.valleycollege.edu/student-services/counseling/csuge/>)

IGETC requirements (<https://www.valleycollege.edu/student-services/counseling/igetc/>)

Program Learning Outcomes

At the completion of this program, students will be able to:

- Transfer to an accredited university as a junior with a major in physics or a physics-related major
- Integrate physical concepts and principles to other science disciplines
- Develop a world view that incorporates the role of physics in modern society
- Solve work-related problems by employing physical concepts to formulate and solve representative physical models
- Apply physical knowledge and skills required in securing and maintaining employment
- Demonstrate a proficiency in standard physics laboratory techniques commonly acquired in lower-division coursework