

ASTRONOMY ASSOCIATE OF SCIENCE DEGREE

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

Code	Title	Units
Required Courses		
ASTRON 120 & ASTRON 125	Introduction to Astronomy and Astronomy Laboratory	4
MATH 250	Single Variable Calculus I	4
MATH 251	Single Variable Calculus II	4
MATH 252	Multivariable Calculus	5
PHYSIC 202	Physics I	4
Total Units		21

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:

- Define physics and astronomical concepts, including the major structures, events, and components that make up the Universe and led to the formation of our current celestial systems
- Identify how the various principles of physics and astronomy describe the properties of stars, planets, galaxies, and their motion
- Demonstrate standard laboratory techniques commonly acquired in lower-division coursework