

DIVISION OF MATHEMATICS, SCIENCES, AND ENGINEERING

# ASTRONOMY

## ASSOCIATE OF SCIENCE DEGREE

The **Associate of Science Degree in Astronomy** will prepare those students interested in laying a foundation for further study and for a bachelor's degree in an Astronomy field from a four-year college or university. This degree program is for the **Associate of Science Degree in Astronomy** and fulfills many of the requirements and foundation courses for transfer to baccalaureate astronomy-related majors, but does not satisfy all transfer requirements for specific institutions. Students should consult with a counselor for major preparation for specific universities and colleges.

To acquire the **Associate of Science Degree in Astronomy**, students must complete the required major courses below with a grade of "C" or better or of "P" if the course was taken on a Pass/No Pass basis, along with either of the following: Rio Hondo College General Education (RHC GE) or California General Education Transfer Curriculum (Cal-GETC). California State University General Education-Breadth (CSU GE) or Intersegmental General Education Transfer Curriculum (IGETC) may be used in some cases; please see a counselor for details.

NOTE: Students interested in transferring as Astronomy majors should consult with a counselor for appropriate general education & major preparation counseling.

Required Courses	Units	N	IP	C
<b>Required Astronomy Courses:</b>				
<b>ASTR 110/H</b> General Astronomy/*Honors and <b>ASTR 112</b> *Observational Astronomy OR <b>ASTR 137</b> *An Introduction to Cosmology: From the Big Bang to the Multiverse	<b>3</b> <b>1</b> <b>4</b>			
<b>Required Physics Courses:</b>				
<b>PHY 211</b> *Physics for Scientists and Engineers I	<b>4</b>			
<b>PHY 213</b> *Physics for Scientists and Engineers III	<b>4</b>			
<b>Required Chemistry Courses:</b>				
<b>CHEM 130</b> *General Chemistry I	<b>5</b>			
<b>CHEM 140</b> *General Chemistry II	<b>5</b>			
<b>Required Math Courses:</b>				
<b>MATH 190</b> *Calculus I or <b>MATH 190H</b> *Calculus I Honors	<b>4</b>			
<b>MATH 191</b> *Calculus II	<b>4</b>			
<b>MATH 250</b> *Calculus III	<b>4</b>			
<b>Total major units needed for Associate of Science</b>	<b>34</b>			
Units Completed				
*Prerequisite/Corequisite				