Astronomy is part of the general education program at American River College. The astronomy sequence includes a laboratory and complies with general education transfer requirements.

**ASTR 300  Introduction to Astronomy  3 Units**

*Prerequisite:* None  
*Advisory:* MATH 100 and 110.  
*Course Transferable to UC/CSU*  
*Hours: 54 hours LEC*

This course covers astronomical events, utilizing history, observations, reading and discussion. It also includes changing conceptions of the cosmos, the planets, the universe of stars and galaxies and cosmic evolution. AA/AS area 3A; CSU area B1; IGETC area 5A.

**ASTR 400  Astronomy Laboratory  1 Unit**

*Prerequisite:* None  
*Corequisite:* ASTR 300.  
*Course Transferable to UC/CSU*  
*Hours: 54 hours LAB*

This course covers the practical use of a telescope for both visual observation and astrotopography. Topics include identifying constellations, collecting and interpreting scientific data, and the use of sky charts and handbooks to plan observation. Night field trips are required. AA/AS area 3A; CSU area B1; IGETC area 5A.

**ASTR 480  Honors Introduction to Astronomy  1 Unit**

*Formerly:* ASTR 1H  
*Prerequisite:* Cumulative GPA of 3.0 or above; ENGWR 300 or 480 with a grade of "C" or better.  
*Corequisite:* ASTR 300.  
*Course Transferable to UC/CSU*  
*Hours: 18 hours LEC*

This course covers an evaluation of common astronomical events, utilizing history, observations, reading and discussion. It is an introduction to Astronomy for students with a serious interest in science and requires the ability to understand mathematical and physical concepts, but previous high school algebra and trigonometry classes provide sufficient qualification. Students will attend the ASTR 300 lectures (3 hours/week) plus an additional hour of discussion each week to examine the topics from lecture at a more rigorous level.