

Area: Science and Engineering
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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

Prerequisite: Cumulative GPA of 3.0 or above; ENGWR 300 or 480, and MATH 330 with a grade of "C" or better.

Corequisite: ASTR 300.

Course Transferable to UC/CSU

Hours: 18 hours LEC

This course covers an introduction to current topics in astronomy. It is intended for students with a serious interest in astronomy and requires the ability to apply mathematics and conceptual reasoning to astronomical systems. The course utilizes problem solving, reading and discussion in a seminar format. A previous knowledge of physics and astronomy is assumed.