

# ASTRONOMY

## Career Opportunities

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(Post bachelors degree necessary)

Astronomer

Astrophysicist

## Faculty

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### Part-Time

Gary Goodman

## Astronomy Courses

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### **AST R101—Introduction to Astronomy** **3 units**

*3 hours lecture weekly*

This course is an introduction to astronomy for both science and non-science students. The intent of the course is to familiarize each student with the terms, tools, and theories of modern astronomy. Topics covered include historical events and discoveries, personalities, and tools, as well as studies of the solar system, stars, galaxies, pulsars, and black holes. The scientific method is defined and expounded. This course satisfies transfer requirements to four-year universities. (2)

*Transfer credit: UC, CSU*

### **AST R101L—Astronomy Laboratory** **1 unit**

*Prerequisites: AST R101 or concurrent enrollment.*

*3 hours lab weekly*

This laboratory reinforces principles learned in AST R101. Students obtain hands-on experience with telescopes, star charts, and other devices used in astronomy. Observations are made of the Moon, the planets, and the stars. Field trips to observatories, planetariums, and/or dark-sky sites may be required. Students are expected to be familiar with high-school algebra. This course satisfies transfer requirements to four-year universities. (2)

*Transfer credit: UC, CSU*

### **AST R198A-Z—Short Courses in Astronomy** **½-10 units**

*Lecture and/or lab hours as required by unit formula*

This course is composed of workshops in selected areas of astronomy to meet specific needs of community or college as required or requested by persons whose needs are not met by regular college offerings. Field trips may be required. Course may be taken four times. (2)

### **AST R199—Directed Studies in Astronomy** **1-3 units**

*Prerequisites: AST R101.*

*Advisory: AST R101L.*

*Lecture and/or lab hours as required by unit formula*

Designed for selected students interested in furthering their knowledge of astronomy on an individual studies basis. Field trips may be required. Course may be taken two times. (2)

*Transfer credit: CSU*