

ASTRONOMY

School of Mathematics, Science, and Engineering

Dean: Silvia Nadalet, Ed.D.

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School/Department Location: www.swccd.edu/cvlocation

Map: <https://goo.gl/maps/C4E3PnKsdU92> (<https://goo.gl/maps/C4E3PnKsdU92/>)

General Description

Astronomy, the oldest of the sciences, is a physical science that has been central in the development of modern scientific thought. This discipline explores the universe at large and the physical processes that govern it. Modern astronomers, guided by an understanding of the physical laws of nature, conduct research using advanced observational and computational technology to determine the physical properties, behavior, composition, and evolution of astronomical phenomena. They use observations and theory to describe and understand a broad range of subjects that includes: planets, comets, stars, pulsars, black holes, nebulae, galaxies, quasars, and the origin and evolution of the universe.

Career Options

The following are examples of the career options available for the astronomy major, a few require an associate degree, some require a bachelor's degree, and most require a graduate-level degree: high school instructor, college or university professor, astronomer, astrophysicist, astronaut, observatory technician, telescope operator, scientific computer programmer, data analyst, space science technician, and positions in planetaria or allied professions in government or industry.

Degree/Certificate Options	Major Code
Associate in Science Degree:	
Transfer Preparation	
Astronomy (http://catalog.swccd.edu/associate-degree-certificate-programs/astronomy/astronomy-as/)	01500

Consult with a counselor to develop a Student Education Plan (SEP), which lists the courses necessary to achieve your academic goal.

Faculty

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