DEGREES, CERTIFICATES, AND TRANSFER PREPARATION INFORMATION

SCIENCE

This program offers an interdisciplinary foundation in the natural sciences for students who wish to transfer to pursue their education and training at the upper-division (or advanced) level in biology, chemistry, earth sciences, environmental science, geology, mathematics, physics, and many others. It is a basic foundation for students who are preparing for careers in fields where scientific and technical skills are in demand, including health sciences, medicine, business, agriculture, education, and government.

For additional career possibilities, visit the Career Services Center on the main campus to utilize computerized career information systems and other valuable career resources.

Programs Offered

- Transfer Preparation
- Associate Degree
  - General Science
- *See also: Astronomy, Biological Sciences, Chemistry, Geology, Physics*

Associate Degree Requirements

An Associate degree is granted upon successful completion of a program of study with a minimum grade point average (GPA) of 2.0 (C) in degree applicable coursework and a minimum of **60 degree applicable semester units**, including:

- Completion of the area of emphasis with a grade of C or higher in each course, or with a P if the course was taken on a Pass/No Pass basis, and the P is equal to a C or higher;
- Completion of one of the following general education patterns: SMC GE, CSU GE, or IGETC;
- Completion of the SMC Global Citizenship graduation requirement.

Catalog Rights

A student may satisfy the requirements of a degree that were in effect at any time of the student's ***continuous*** enrollment. Continuous enrollment means attendance in at least one semester (Fall or Spring) in each academic year.

Transfer Preparation

Many colleges/universities offer baccalaureate degrees in this field. Students planning to transfer to a four-year college or university should complete the lower-division major requirements and the general education pattern for the specific transfer institution. SMC has articulation agreements with the many UC and CSU campuses, as well as several private and out-of-state institutions.

Exact major requirements for UC and CSU campuses can be found online at *assist.org*.

A listing of private, nonprofit California colleges and universities can be found online at *aiccu.edu*. For articulation agreements between SMC and some of these institutions see *smc.edu/articulation*.

General Science, Associate Degree

Program Learning Outcomes: Upon completion of the program, students will demonstrate through oral, written, and laboratory-based academic work knowledge of the physical and life sciences, and be prepared to pursue further study in a science major at the baccalaureate level. Students will be proficient in the scientific method, research, analytical, and communication skills necessary to present a critical analysis of scientific phenomena and devise solutions.

Area of Emphasis (18 units)

GROUP A: Mathematics (a minimum of 1 course of at least 3 units required):
ACCTG 45 *(same as BUS 45)*
BUS 45 *(same as ACCTG 45)*
MATH – 2, 3, 4, 7, 8, 10, 11, 13, 15, 18, 20, 21, 26, 28, 29, 32*, 41, 49, 50, 54
*if completed fall 2006 or later
GROUP B: Physical Science; At least 1 course required: (3 units minimum)
ASTRON – 1, 2, 3, 4, 5, 7, 8, 9, 10 *(same as GEOL 10)*
CHEM – 9, 10, 11, 12, 19, 21, 22, 24, 31
GEOG 1, 3, 5, 35F, 35S
GEOL – 1, 3, 4, 5, 10 *(same as ASTRON 10)*, 31, 35A-Z
PHYSCS – 6, 7, 8, 9, 12, 14, 20, 21, 22, 23, 24
Group C: LIfe Sciences; At least 1 course required: (3 units minimum)
ANATMY – 1, 2
ANTHRO 1, 5, 9, 10
BIOL – all courses (except BIOL 81)
BOTANY – 1, 3
MCRBIO 1
NUTR 1
PHYS 3
PSYCH 2
ZOOL 5