

# ASSOCIATE IN SCIENCE

## PHYSICAL SCIENCES

(65 hrs. min.)

CIP: 40.0101

School of Health and Sciences, (505) 428-1307

This program allows students to develop a degree plan with an emphasis in the physical sciences. Students must work closely with their transfer institutions and their SFCC advisers to ensure the best transition to four-year schools.

### PROGRAM OUTCOMES

Upon completion of this program, students will be able to:

- Use experimental methods to make measurements in the physical sciences (physics and chemistry).
- Solve problems in the physical sciences, including a wide variety of practical fields, using mathematical techniques.
- Formulate hypotheses in the physical sciences and plan experiments to test them.
- Comprehend information from fundamental laws of the physical sciences to detailed facts.
- Communicate methods and results.

### GENERAL EDUCATION REQUIREMENTS: (38 HRS. MIN.)

#### Communications (9 hrs.)

ENGL 111      Composition and Rhetoric (3)

ENGL 112      Composition and Literature (3)

[or]

ENGL 216      Technical Writing (3)

SPCH 111      Public Speaking (3)

[or]

SPCH 220      Interpersonal Communication (3)

#### Math (11 hrs. min.)

MATH 135      Introduction to Probability and Statistics (3)

MATH 162      Calculus I (4)

MATH 163      Calculus II (4)

#### Social/Behavioral Sciences (6 hrs.)

#### Humanities and Fine Arts (6 hrs.)

#### Computers/Technology (4 hrs.)

CISC 111      Introduction to Computer Science (3)

[and]

CISC 111L      Introduction to Computer Science Lab (1)

[or]

OFTC 111      Business Software Essentials I (4)

#### Health, Physical Education and Recreation (HPER) or Dance (2 hrs. min.)

### CORE REQUIREMENTS: (16 HRS. MIN.)

CHEM 121      General Chemistry I (3)

CHEM 121L      General Chemistry I Lab (1)

CHEM 122      General Chemistry II (3)

CHEM 122L      General Chemistry II Lab (1)

PHYS 161      Calculus Physics I (3)  
PHYS 161L     Calculus Physics I Lab (1)  
PHYS 162      Calculus Physics II (3)  
PHYS 162L     Calculus Physics II Lab (1)

**RELATED REQUIREMENTS: (11 HRS.)**

Approved science elective (4)

Approved electives (7)

NOTE: See “College Success Course Requirement” on Page 10.

**TOTAL 65 CREDITS MIN.**