

## ASSOCIATE IN SCIENCE PHYSICAL SCIENCES

(65 hrs. min.)

CIP: 40.0101

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:

- Employ processes used in scientific inquiry.
- Communicate and comprehend scientific information, from fundamental laws to detailed facts.
- Apply conceptual and quantitative analysis to scientific problems.

### 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)

Humanities (6 hrs.)

Behavioral/Social Sciences (6 hrs.)

Math (11 hrs. min.)

MATH 135           Introduction to Probability and Statistics (3)

MATH 162           Calculus I (4)

MATH 163           Calculus II (4)

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 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 8.

TOTAL 65 CREDITS MIN.