

Science

SCIENCE (SCID)

ASSOCIATE IN SCIENCE (A.S.) DEGREE

This degree program is intended for individuals who wish to pursue a career in science or a related field. Such fields include, but are not limited to, astronomy, biochemistry, biology, biophysics, biotechnology, chemistry, environmental geology, environmental science, forensics, forestry, geochemistry, geology, geophysics, home economics, marine biology, meteorology, mortuary science, nutrition (or dietetics), oceanography, optometry, pharmacy, physical education, physics or plant science. This program is also intended for those who wish to pursue medical, dental or veterinary degrees.

Note: A minimum of a bachelor's degree is usually required of individuals planning to work in science or a related area. Therefore, students should take the CCRI Associate in Science degree program with the expectation of transferring to a four-year college or university. The choice of which elective credits to select should be made in consultation with an adviser from one of the science departments in accordance with transfer requirements of the four-year school.

Admission Requirements

To be admitted to this program, applicants must have:

- A high school diploma or GED®.
- Minimum level of math preparation in order to take and successfully complete MATH 1200 (*College Algebra*) in the first semester.

IMPORTANT:

Students should consult the transfer requirements of their intended school of transfer.

General Education Requirements

| COURSE NO. | | COURSE TITLE | CREDITS |
|--|----------------------|---|-----------|
| ENGL 1010* | P | Composition I | 3 |
| ENGL | | Literature elective | 3 |
| MATH 1900 OR above** | | Pre-Calculus Mathematics OR above | 3 |
| MATH 1510 OR MATH 1550 | P P | Scientific Programming OR Statistical Analysis I | 3 |
| SPCH 1100* | | Oral Communication I | 3 |
| Social Science Elective | | See page 17 for complete listing of courses that meet this requirement. | 3 |
| Humanities, Math/Science OR Social Studies Elective*** | | See page 17 for complete listing of courses that meet this requirement. | 3 |
| Total General Education Credits | | | 21 |

* ENGL – All students take a placement test and enroll in ENGL 1005 or ENGL 1010. Students required to take ENGL 1005 will then have to take ENGL 1010. ENGL 1005 may be used as elective credit.

** MATH – Placement test required. If placement test indicates enrollment in MATH 0500 or 0600 is necessary, these courses, although required, are not accepted as degree credit. Students should take placement test prior to enrolling. Note: It is recommended that students wishing to transfer for a bachelor's degree in the physical sciences take the complete calculus sequence (MATH 1910, 1920 and 2910).

*** All students are encouraged to consult the requirements of the intended transfer school to find if there is a foreign language requirement.

General Education Requirements

| COURSE NO. | | COURSE TITLE | CREDITS |
|---|---|--|-----------|
| <i>Note: Select two pairs of sequential courses from the following for a total of 16 to 18 credits.</i> | | | |
| BIOL 1001* | P | Introductory Biology: Organismal | 4 |
| AND | | | |
| BIOL 1002* | P | Introductory Biology: Cellular | 4 |
| OR BIOL 1000* | P | OR Cell Biology for Technology | |
| AND / OR | | | |
| CHEM 1030* | P | General Chemistry I | 5 |
| AND | | | |
| CHEM 1100 | P | General Chemistry II | 5 |
| AND / OR | | | |
| PHYS 1030 | P | General Physics I | 4 |
| AND | | | |
| PHYS 1040 | P | General Physics II | 4 |
| Additional Science Requirements | | Select eight to 10 credits from astronomy (ASTR), biology (BIOL), chemistry (CHEM), geology (GEOL), oceanography (OCEN) or physics (PHYS) | 8-10 |
| BIOL 2500 | P | Applications in Science and Math | 1 |
| OR CHEM 2500 | P | | |
| OR MATH 2500 | P | | |
| OR PHYS 2500 | P | | |
| Total Major Requirement Credits | | | 25-29 |
| Electives | | All students are encouraged to consult the requirements of the intended transfer school to find out which electives will best suit their transfer needs. | 9-13 |
| Total Minimum Required Program Credits | | | 60 |

*Placement test required.

BIOTECHNOLOGY TRANSITION OPTION:

Biotechnology credits can be used toward the completion of the Science track leading to an Associate in Science (A.S.) degree. The four-credit Cell Biology for Technology (BIOL 1000) is one of the suggested science courses. Eight of the Biotechnology certificate program credits (BIOL 1300, 1310 and 2480) would count as science credits and the remaining six credits could be used as elective credits. See the Biotechnology certificate, page 50, for more information.



IMPORTANT:

Select two pairs of sequential courses from the top three in the list above (BIOL, CHEM or PHYS) for a total of 16 to 18 credits. *If you select CHEM 1030, contact the Chemistry Department of information regarding a placement exam (to be taken prior to enrolling.)