

Science

Associate In Science Degree (AS_SCID)

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 also is 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. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for detail.

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

Admission Requirements

To be admitted to this program, applicants must have a minimum level of math preparation in order to take and successfully complete MATH 1200 (College Algebra) in the first semester.

RECOMMENDED COURSE SEQUENCE

First semester: ENGL 1010; MATH 1900 **OR** above; Social Science Elective;
2 CHEM, BIOL **AND/OR** PHYS courses

Second semester: Literature Elective; MATH 1510 **OR** MATH 1550; Humanities,
Math/Science **OR** Social Science Elective; 2 CHEM, BIOL **AND/OR** PHYS courses

Third semester: COMM 1100; Science courses

Fourth semester: Science courses; BIOL, CHEM, PHYS **OR** MATH 2500

General Education Requirements

COURSE NO.	COURSE TITLE	CREDITS
— ENGL 1010*	Composition I	3
— ENGL	Literature elective	3
— MATH 1900 — OR above**	Pre-Calculus Mathematics OR above	4
— MATH 1510 — OR MATH 1550	Scientific Programming OR Statistical Analysis I	3
— COMM 1100*	Oral Communication I	3
— Social Science Elective	See page 22 for complete list of courses that fulfill the SSCI attribute.	3
— Humanities, — Math/Science — OR Social Science Elective***	See page 22 for complete list of courses that fulfill the HUMN, MSCI or SSCI attribute.	3

Total General Education Credits

22

*ENGL – All students take a placement test and enroll in ENGL 1005 or ENGL 1010. Students required to take ENGL 1005 then will 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 a 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 learn if there is a foreign language requirement.

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Major Requirements

COURSE NO.	COURSE TITLE	CREDITS
Select two pairs of sequential courses from the following for a total of 16 to 18 credits.		
— BIOL 1001 AND	Introductory Biology: Organismal	4
— BIOL 1002 OR BIOL 1000	Introductory Biology: Cellular OR Cell Biology for Technology	4
AND/OR		
— CHEM 1030 AND	General Chemistry I	5
— CHEM 1100	General Chemistry II	5
AND/OR		
— PHYS 1030 AND	General Physics I	4
— PHYS 1040	General Physics II	4
— Additional Science Requirements	Select 8 to 10 credits from astronomy (ASTR), biology (BIOL), chemistry (CHEM), geology (GEOL), oceanography (OCEN) or physics (PHYS)	8–10
— BIOL 2500 OR CHEM 2500 OR MATH 2500 OR PHYS 2500	Applications in Science and Math	1
Total Major Requirements 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

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 for information regarding a placement exam (to be taken prior to enrolling).

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 56, for more information.