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 advisor from one of the science departments in accordance with the transfer requirements of the four-year school. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

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 2111 OR above; Social Science Elective; 2 CHEM, BIOL AND/OR PHYS courses
- Second semester: Literature Elective; MATH 1220 OR MATH 1240; 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

General Education Requirements

COURSE NO.	COURSE TITLE	COURSE NOTES	CREDITS
ENGL 1010	Composition I	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.	3
ENGL		Literature elective	3
MATH 2111 **OR** above	Pre-Calculus Mathematics above	MATH – Placement test required. If placement test indicates enrollment in MATH 0099 or 0100 or 0101 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 2141, 2142 and 2243).	4
MATH 1220 **OR** MATH 1240	Scientific Programming Statistical Analysis I		3
COMM 1100	Public Speaking	Pre-requisite: Eligible for ENGL 1005 or higher and ENGL 0850 or higher or permission of instructor.	3
Social Science Elective		See this page for a complete list of courses that fulfill the SSCI attribute.	3
Humanities, Math/Science **OR** Social Science Elective		See this page for a complete list of courses that fulfill the HUMN attribute. See this page for a complete list of courses that fulfill the MSCI attribute. See this page for a complete list of courses that fulfill the SSCI attribute.	3
Total General Education Requirements Credits			22

Select two pairs of sequential courses from the following for a total of 16 to 18 credits.

Major Requirements

COURSE NO.	COURSE TITLE	COURSE NOTES	CREDITS
BIOL 1001 ***AND*** BIOL 1002 ***OR*** BIOL 1000	Introductory Biology: Organismal ***AND*** Introductory Biology: Cellular ***OR*** Cell Biology for Technology		8
AND/OR			
CHEM 1030 ***AND*** CHEM 1100	General Chemistry I ***AND*** General Chemistry II		10
AND/OR			
PHYS 1030 ***AND*** PHYS 1040	General Physics I ***AND*** General Physics II		
Additional Science Requirements		Select **8 to 10 credits** from astronomy (ASTR), biology (BIOL), chemistry (CHEM), geology (GEOL), oceanography (OCEN) or physics (PHYS)	8
BIOL 2500 ***OR***CHEM 2500 ***OR***PHYS 2500		Applications in Science and Math	1
Total Major Requirements Credits			27

Electives

COURSE NO.	COURSE TITLE	COURSE NOTES	CREDITS
Electives		**Take 9 to 13 credits.** 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
Total Electives Credits			9

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 program for more information.