

## **Biological Sciences- Associate in Science (2023-2024 Catalog)**

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Developmental Education Courses (if required)						
		Introduction to Academic Literacy				
		Writing Skills Workshop				
	MATH020	Pre-Algebra				
	MATH022	Elementary Algebra				
	MATH026	Intermediate Algebra				

Placement in English and/or Mathematics must first be determined by <u>official</u> transcripts and/or placement testing. Developmental education courses are only taken if needed based on a student's placement; these courses would be in addition to the courses outlined below. Developmental education courses may extend the timeline to degree completion.

Transferring credits into NCC: Official transcripts are required; awarded credit will appear in Workday's Academic Progress.

	complete	Course #	Course Title	Credits	Pre-requisites / Co-requisites				
Semester 1		COLS101	College Success	1	Exempt: COLS150 or 12+ transfer credits & 2.0 GPA				
		BIOS107	Biology I						
		CHEM120	General Chemistry I	4	PRE: MATH 022 or Placement Policy; 1 yr HS Chem or CHEM 011, ENGL101 eligibile				
		ENGL101	English I	3	PRE: ENGL Placement Policy				
		MATH140 or	r College Algebra or		PRE: MATH 026 or Placement Policy				
		MATH180	Calculus I	3 /4	PRE: MATH 145 or MATH 160 or Placement Policy				
			Total Semester Credits:						
		BIOS150	Biology II	4	PRE: BIOS107				
2		CHEM220	General Chemistry II	4	PRE: CHEM120				
er		CMTH102	Introduction to Communication	3					
est		ENGL151L	English II (Literature) (D)	3	PRE: ENGL101				
Semester		MATH145 or	Trigonometry or	3 or 4	PRE:MATH140 or Placement Policy				
		MATH181	Calculus II	3 01 4	PRE: MATH176 or MATH180 or Placement Policy				
			Total Semester Credits:	17/18					
Semester 3		BIOS2	Biology Elective	4	Depends on the course selected				
		CHEM201G	Organic Chemistry I (WI)	4	PRE: CHEM220 and ENGL101				
		PSYC103	Introduction to Psychology	3	ENGL101 eligibility				
			SIT General Education Elective	3	Depends on the course selected				
			Total Semester Credits						
		BIOS2	Biology Elective	4	Depends on the course selected				
Semester 4		CHEM251	Organic Chemistry II	4	PRE: CHEM201G				
			AH General Education Elective	3	Depends on the course selected				
			Elective	3	Depends on the course selected				
			Elective	3	Depends on the course selected				
			Total Semester Credits:	17					
		Total Degree Credits 63-65							

## **Program Notes:**

+Students must take two General Education Electives (SIT and AH) and two Electives; one of these must be in a Writing Intensive (WI) section.

Writing Intensive course codes end in G. Examples: PSYC103G (PSYC103 is not writing intensive). Please pay attention to the option you select. For example, if you are looking for an SSHB writing intensive course, look for one that ends in G via the SSHB course tag.

## How to search for general education electives:

In Workday, use the corresponding **Course Tag** filter to see the available options.

Arts and Humanities = AH

Social Science: Socitieties and Institutions Over Time = SIT

+Recommended general electives include: GEOG121, GEOG140, SOCA103, BIOS126, BIOS210, GEOG210, HUMA150, CHEM260, HEAL150, NUTR105, PHYS101

## **Biology Electives:**

BIOS206: General Ecology BIOS210: Environmental Biology

BIOS240: Microbiology BIOS260: Genetics

- + For students with an Environmental Science intent BIOS206 and BIOS210 are recommended
- + For students with an Integrative Biology intent Bios260 and either BIOS206 or BIOS210 are recommended

General Education Requirements						
		Diversity				
		Writing Intensive				
		Writing Intensive				

\*It is the student's responsibility to be knowledgeable of NCC graduation requirements and, if applicable, to verify transfer requirements with the 4-year institution. Courses listed on the program map are based upon the assumption that prerequisites and courses taken in previous semesters will be successfully completed.