Biology

Program: Life Sciences
Program Code:
LF_LFBI
Academic Area:
Science, Technology, Engineering and Mathematics
Type:
Associate in Science
Campus:
Fall River
New Bedford
Attleboro
CIP Code:
26.0101

Program Goals Statement

This program is designed for students who plan to transfer to a 4-year institution and major in Biology or another Life Science field. The goal is to provide students with the necessary skills and background to be successful at a 4-year institution.

Program Information

- This program is designed to prepare students for transfer to a 4-year institution to major in Biology or another Life Science Field, and will give them a foundation for work in Pre-med, Pre-vet and other Health Science fields.
- Students will take a variety of transferable General Studies courses, as well as select Biology Elective courses in their area of interest.
- After completion of the degree, students have a strong foundation in Biology that will allow them to be successful in their next program.

After Bristol

- With an Associates in Science - Life Science/Biology degree, students will be able to transfer to a 4-year institution with a solid background in Biology that will allow them to take upper level Biology classes at their next institution. Also, they will have completed many General Studies requirements that should transfer to their new school.
- BCC participates in the Statewide MassTransfer program and has developed many program-to-program transfer articulation agreements which guarantees admission and credit transfer.
- For a complete listing of eligible MassTransfer programs and current articulation agreements, visit the Transfer Affairs website at www.bristolcc.edu/transfer.

MassTransfer A2B Pathway

The Life Sciences - Biology program is a MassTransfer A2B Mapped Program with some Massachusetts State Universities. When choosing electives, complete an A2B Program Search to determine available transfer institutions and to ensure all credits will be transferred and applied to your degree.

Degree Requirements

General Courses

Course #	Title	Credits
ENG 101	Composition I: College Writing	3
ENG 102	Composition II: Writing about Literature	3
COM 104	Fundamentals of Public Speaking	3
CSS 101	College Success Seminar	1
PSY 101	General Psychology	3
	MTH 152, MTH 172 or MTH 214	7-8
	HST 111, 112, 113 or 114	3

Elective Courses

Course #	Title	Credits
	GVT or SOC Electives	6
	Information Literacy Elective	0-3
	Multicultural and Social Perspectives Elective	3

Program Courses

Course #	Title	Credits
BIO 121	Fundamentals of Biological Science I	4
BIO 122	Fundamentals of Biological Science II	4
BIO 230	Seminar in Scientific Literature and Research Design	3
CHM 113	Fundamentals of Chemistry I	4
CHM 114	Fundamentals of Chemistry II	4

Program Electives

Choose 12 credits from the following (at least 2 courses must be lab courses):

Course #	Title	Credits
AGR 114	Sustainable Agriculture I	4
BIO 126	Introduction to Biotechnology	3
BIO 127	Introduction to Biotechniques	4
BIO 129	Field Biology	4
BIO 130	The Biology and Behavior of Birds	4
BIO 154	Human Physiology	4
BIO 205	Animal Behavior	4
BIO 220	Introduction to Nutrition	3
BIO 132	Marine Biology	4
BIO 233	Human Anatomy and Physiology I	4
BIO 234	Human Anatomy and Physiology II	4
BIO 235	Fundamentals of Ecology	4
BIO 239	Elements of Microbiology	4
BIO 240	Cell Biology	4
BIO 250	Introduction to Immunology	4
CHM 225	Biochemistry	4
CHM 235	Organice Chemistry I	4
CHM 236	Organic Chemistry II	4
PHY 211	General Physics I	4
PHY 212	General Physics II	4
SCI 115	Science and Care of Plants	4
SCI 119	Coastal Science	4
SCI 240	Introduction to Oceanography	4

Recommended Course Sequence - Semester 1

Course #	Title	Credits
BIO 121	Fundamentals of Biological Science I	4
CHM 113	Fundamentals of Chemistry I	4
COM 104	Fundamentals of Public Speaking	3
CSS 101	College Success Seminar	1
ENG 101	Composition I: College Writing	3

Recommended Course Sequence - Semester 2

Course #	Title	Credits
ENG 102	Composition II: Writing about Literature	3
BIO 122	Fundamentals of Biological Science II	4
CHM 114	Fundamentals of Chemistry II	4
	MTH 152 or MTH 172	3-4
	Information Literacy Elective	0-3

Recommended Course Sequence - Semester 3

Course #	Title	Credits
BIO 230	Seminar in Scientific Literature and Research Design	3
	MTH 172 or MTH 214	4
	HST 111, 112, 113 or 114	3
	GVT or SOC Elective	3
	Program Elective	3

Recommended Course Sequence - Semester 4

Course #	Title	Credits
	Program Elective	3
	Program Elective	3
PSY 101	General Psychology	3
	Multicultural and Social Perspectives Elective	3
	GVT or SOC Elective	3
	Total credits:	**62-67**