Life Sciences/Biology

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.

Subject: Biology
Life Sciences
Type: Associate Degree

Campus

Campus:
Fall River
New Bedford
Attleboro
Item #
Title
Credits

Degree Requirements

Program Courses

Item #	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

General Courses

Item #	Title	Credits
ENG 101	Composition I: College Writing	3
ENG 102	Composition II: Writing about Literature	3
COM 101	Fundamentals of Public Speaking	3
CSS 101	College Success Seminar	1
PSY 101	General Psychology	3
MTH 214	Calculus I	4
MTH 152	College Algebra	3
MTH 172	Precalculus with Trigonometry	4
HST 111	The West and the World I	3
HST 112	The West and the World II	3
HST 113	United States History to 1877	3
HST 114	United States History from 1877	3

Program Electives - Choose 12 credits from the following (at least 2 must be lab courses)

Item #	Title	Credits
AGR 114	Sustainable Agriculture	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	Organic 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

Elective Courses - Choose 2 Behavioral/Social Sciences

Elective Courses - Choose 1 Technical Literacy

Item #	Title	Credits
CIS 110	Basic Computing Skills	3
CAD 101	Computer Aided Drafting	3
EGR 103	Computer Skills for Engineers and Technicians	3

Elective Courses - Choose 1 Multicultural Perspective

Item #	Title	Credits
ENG 217	Writings from the Margins of Contemporary American Literature	3
ENG 257	Contemporary African-American Women's Writing	3
ENG 259	Native American Novels	3
HST 113	United States History to 1877	3
HST 114	United States History from 1877	3
HST 252	African-American History	3
HST 259	History of North American Indian Peoples	3
HST 265	Immigration and Ethnicity in American History	3

MassTransfer A2B Courses

Item #	Title	Credits
BIO 121	Fundamentals of Biological Science I	4
BIO 122	Fundamentals of Biological Science II	4
CHM 113	Fundamentals of Chemistry I	4
CHM 114	Fundamentals of Chemistry II	4
MTH 172	Precalculus with Trigonometry	4
Item #	**Title**	**Credits**
CHM 235	Organic Chemistry I	4
CHM 236	Organic Chemistry II	4
PHY 211	General Physics I	4
PHY 212	General Physics II	4
MTH 214	Calculus I	4

Recommended Course Sequence - Semester 1

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

Recommended Course Sequence - Semester 2

Item #	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

Recommended Course Sequence - Semester 3

Item #	Title	Credits
BIO 230	Seminar in Scientific Literature and Research Design	3
	MTH 172 or MTH 214	4

Recommended Course Sequence - Semester 4

Item #	Title	Credits
PSY 101	General Psychology	3
	Total credits:	**63-67**