



## Biotechnology and Forensic DNA

**Program:** Life Sciences

**Program Code:**

LF\_LFBT

**Academic Area:**

Science, Technology, Engineering and Mathematics

**Type:**

Associate in Science

**CIP Code:**

26.1201

### Program Statement

This program is designed to provide the student with the biological and chemical background to seek employment as a lab technician in the biotechnology/biomedical sectors.

### Program Information

- This program is designed to prepare students for employment as a laboratory technician in the biotechnology/biomedical sector.
- Bristol offers several tutoring services and developmental courses to meet your career and academic goals.

### After Bristol

- With the continually growing biotech industry in Massachusetts, there is an ever-increasing need for laboratory technicians. The Bristol Biotechnology and Forensic DNA degree prepares students for work in both industrial and academic laboratories.
- Bristol participates in the statewide MassTransfer program with many Public Massachusetts State Colleges and Universities, which provides a pathway for guaranteed admission and transfer of credits to those 4-year institutions. For a list of eligible schools and courses, please visit MassTransfer.
- Bristol has also developed many specific program-to-program transfer/articulation agreements with four-year colleges and universities, including for Biotechnology. For a complete listing of current articulation agreements, visit Transfer Services.

### Degree Requirements



## General Courses

Course #	Title	Credits
COM 104	Fundamentals of Public Speaking	3
CSS 101	College Success Seminar	1
ENG 101	Composition I: College Writing	3
ENG 102	Composition II: Writing about Literature	3
ENG 215	Technical Writing	3
MTH 119	Fundamental Statistics	3
PSY 101	General Psychology	3

## Elective Courses

Course #	Title	Credits
	SOC 101 or SOC 257	3
	EGR 103: Computer Skills for Engineers and Technicians	0-3
	HST 113 or HST 114	3

## Program Courses

Course #	Title	Credits
BIO 121	Fundamentals of Biological Science I	4
BIO 126	Introduction to Biotechnology	3
BIO 127	Introduction to Biotechniques	4
BIO 239	Elements of Microbiology	4
BIO 240	Cell Biology	4
INT 210	Internship Experience I	3
BIO 250	Introduction to Immunology	4
CHM 225	Biochemistry	4
SCI 125	Social and Ethical Issues in Science, Technology, and Health Science	3
	Chemistry I & II	8

## Recommended Course Sequence - Semester 1

Course #	Title	Credits
BIO 121	Fundamentals of Biological Science I	4
BIO 126	Introduction to Biotechnology	3
ENG 101	Composition I: College Writing	3
MTH 119	Fundamental Statistics	3
CSS 101	College Success Seminar	1
COM 104	Fundamentals of Public Speaking	3



## Recommended Course Sequence - Semester 2

Course #	Title	Credits
	CHM 113 or CHM 115	4
ENG 102	Composition II: Writing about Literature	3
	HST 113 or HST 114	3
BIO 127	Introduction to Biotechniques	4

## Recommended Course Sequence - Semester 3

Course #	Title	Credits
	CHM 114 or CHM 116	4
BIO 240	Cell Biology	4
ENG 215	Technical Writing	3
SCI 125	Social and Ethical Issues in Science, Technology, and Health Science	3
BIO 239	Elements of Microbiology	4

## Recommended Course Sequence - Semester 4

Course #	Title	Credits
PSY 101	General Psychology	3
CHM 225	Biochemistry	4
BIO 250	Introduction to Immunology	4
INT 210	Internship Experience I	3
<b>Total credits:</b>		<b>65-69</b>

## Category Descriptions

### SOC 101 or SOC 257

Credits: 3

Choose one of the following:

Course #	Title	Credits
SOC 101	Principles of Sociology	3
SOC 257	Social Issues in Loss	3

### EGR 103: Computer Skills for Engineers and Technicians

Credits: 0-3

*Waived if student takes two online/hybrid courses.*



<b>Course #</b>	<b>Title</b>	<b>Credits</b>
EGR 103	Computer Skills for Engineers and Technicians	3

## HST 113 or HST 114

Credits: 3

Choose one of the following:

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
HST 113	United States History to 1877	3
HST 114	United States History from 1877	3

## Chemistry I & II

Credits: 8

*Students must take one series or the other based on transfer institution requirements.*

Choose one of the following:

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
	CHM 115 and CHM 116	8
	CHM 113 and CHM 114	8