



Biotechnology and Forensic DNA

Program: Life Sciences

Program Code:

LF_LFBT

Academic Area:

Science, Technology, Engineering and Mathematics

Type:

Associate in Science

Campus:

Fall River

New Bedford

Attleboro

CIP Code:

26.1201

Program Goals 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 and has developed many program-to-program transfer articulation agreements which guarantee 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.

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 |
| | Total credits: | 65-69 |

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.



| Course # | Title | Credits |
|-----------------|---|----------------|
| EGR 103 | Computer Skills for Engineers and Technicians | 3 |

HST 113 or HST 114

Credits: 3

Choose one of the following:

| Course # | Title | Credits |
|-----------------|---------------------------------|----------------|
| 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:

| Course # | Title | Credits |
|-----------------|---------------------|----------------|
| | CHM 115 and CHM 116 | 8 |
| | CHM 113 and CHM 114 | 8 |