



## Biotechnology Technician (Fall Start) Associate in Science

**START** here

1

SEMESTER 1 – FALL	CREDITS	MILESTONE	COMPLETED
BIO 131 – General Biology	4		<input type="checkbox"/>
CHE 121 – Introduction to Chemistry	4		<input type="checkbox"/>
ENG 101 – English Composition I	3		<input type="checkbox"/>
TMA 100 – Math for Technology	4		<input type="checkbox"/>
<b>TOTAL CREDITS</b>	<b>15</b>		

2

SEMESTER 2 – SPRING	CREDITS	MILESTONE	COMPLETED
BIT 150 – Methods of Biotechnology	4		<input type="checkbox"/>
BIT 155 – Quality Control and Good Manufacturing Practices	3		<input type="checkbox"/>
BIO 240 – Microbiology for Industrial Applications	4		<input type="checkbox"/>
ENG 102 – English Composition II: Introduction to Literature	3		<input type="checkbox"/>
CAP 103 – Computers for Technology –or– CSC 101 – Introduction to Computer Science –or– CSC 151 – Programming I	3-4		<input type="checkbox"/>
<b>TOTAL CREDITS</b>	<b>17-18</b>		

3

SEMESTER 3 – Summer	CREDITS	MILESTONE	COMPLETED
BIT 250 – Advanced Techniques in Biotechnology	4		<input type="checkbox"/>
Behavioral Science Elective – Recommended: PSY 101 – Introduction to Psychology – or – SOC 101 – Introduction to Sociology	3		<input type="checkbox"/>
<b>TOTAL CREDITS</b>	<b>7</b>		

4

SEMESTER 4 – FALL	CREDITS	MILESTONE	COMPLETED
BIT 225 – Special Topics in Biotechnology	3		<input type="checkbox"/>
BIO 250 – Immunology	4		<input type="checkbox"/>
BIT 200 – Internship	3		<input type="checkbox"/>
<b>TOTAL CREDITS</b>	<b>10</b>		

5

SEMESTER 5 – SPRING	CREDITS	MILESTONE	COMPLETED
BIO 255 – Molecular Biology	4		<input type="checkbox"/>
CHE 160 – Principles of Biochemistry	4		<input type="checkbox"/>
MAT 177 – Statistics	3		<input type="checkbox"/>
ETH 105 – Introduction to Bioethics –or– ETH 101 – Ethics and Society	3		<input type="checkbox"/>
ECO 120 – Economics and Management in the High-Tech Industry	3		<input type="checkbox"/>
<b>TOTAL CREDITS</b>	<b>17</b>		

**You've FINISHED!**



### Milestone Courses

should be taken in the order shown. This will help you stay on track and graduate on time.

### Helpful Hints

- Students needing to satisfy prerequisites for MAT 177 (semester four) should consider taking math courses early in the program.
- Students looking to transfer to a four-year program should consider CHE 131 – College Chemistry I in place of CHE 121.
- BIO 131, CHE 121 (or 131) and ENG 101 are prerequisite for BIT 150, BIT 155 and BIO 240.
- Students can register for BIT 200 – Internship following semester 2.
- If BIT 200 is taken during semester 3, BIT 250 should be taken during the summer following semester 2.

### Career and Transfer Outlook

Graduates of this program work in various departments and roles within the biotechnology industry. Some of the positions that MCC graduates have held include lab technician, cell culture technician, research technician, microbiology technician, chemistry associate, process operator, quality assurance manager and supervisors.

To learn more, call us at **1-800-818-3434**  
or visit **www.middlesex.mass.edu**