

Associate in Arts

Biotechnology

Program Information

Biotechnology is one of the most rapidly expanding areas of the biological sciences. This exciting and ever-evolving field offers students the opportunity to be involved in cutting-edge scientific applications and research. The program prepares students for further study in fields such as molecular biology, cell biology, pharmaceuticals, forensic science, research laboratories and medical laboratories. Courses provide students with a solid foundation in basic scientific principles as well as mathematics. Students will be exposed to the equipment and techniques necessary to succeed in the field.

Upon successfully completing this program, students should be able to:

- ▼ communicate effectively in a scientific manner,
- ▼ demonstrate an understanding of scientific inquiry and application, and
- ▼ perform basic biotechnology procedures.

Transfer of Credits

Biotechnology graduates may transfer credits to a bachelor's degree program at a four-year college or university. Please direct specific questions to a Student Affairs advisor.

***Students must complete either the HIS 101-102 or HIS 161-162 sequence.**

Credits

First Semester

<input type="checkbox"/>	BIO 101	General Biology I	4
<input type="checkbox"/>	BTC 120	Introduction to Biotechnology and Basic Laboratory Techniques	4
<input type="checkbox"/>	CHM 101	College Chemistry I	4
<input type="checkbox"/>	ENG 101	English Composition I	3
<input type="checkbox"/>	HIS 101	Western Civilization I*	
	or		
<input type="checkbox"/>	HIS 161	World History I*	<u>3</u>
			18

Second Semester

<input type="checkbox"/>	BIO 102	General Biology II	4
<input type="checkbox"/>	CHM 102	College Chemistry II	4
<input type="checkbox"/>	ENG 102	English Composition II	3
<input type="checkbox"/>	HIS 102	Western Civilization II*	
	or		
<input type="checkbox"/>	HIS 162	World History II*	<u>3</u>
			14

Third Semester

<input type="checkbox"/>	BIO 211	Principles of Microbiology	4
<input type="checkbox"/>	ENG 202	Introduction to Speech Communication	3
<input type="checkbox"/>	ETH 200	Ethics in the Modern World	3
<input type="checkbox"/>	MAT 231	Calculus I	4
<input type="checkbox"/>		Science Elective	<u>3/4</u>
			17/18

Fourth Semester

<input type="checkbox"/>	BTC 201	Molecular Biology	4
<input type="checkbox"/>	MAT 232	Calculus II	4
<input type="checkbox"/>	SOC 101	Introduction to Sociology	3
<input type="checkbox"/>		Humanities Elective	3
<input type="checkbox"/>		Social Science Elective	<u>3</u>
			17

Total Credits: 66/67

N.J. General Education Component for Biotechnology (A.A.)

Communication:	ENG 101, ENG 102, ENG 202
Math/Science/Computer Technology:	MAT 231, MAT 232, BIO 101, CHM 101
Social Science:	SOC 101, Social Science Elective
Humanities:	ETH 200, HIS 101, Humanities Elective
History:	HIS 101 and HIS 102 or HIS 161 and HIS 162
Cultural/Global Awareness:	SOC 101