

## Biotechnology

### Biotechnology

OWENS CAMPUS

Fall 2021

*Biotechnology associate degree graduates are prepared for entry-level employment in a variety of laboratory settings. They analyze and interpret data using their knowledge of biological methods, laboratory techniques, and modern instrumentation. Students acquire a theoretical and practical education in various aspects of biology and chemistry that can be applied to diverse careers in the medical, environmental, industrial, and agricultural fields.*

#### PROGRAM SPECIFIC ADVISEMENT STATEMENT

##### Courses - Semester 1

	Credits	Lecture	Lab
<a href="#">SSC 100 - First Year Seminar</a>	1	1	0
<a href="#">BIO 150 - Biology I</a>	4	3	2
<a href="#">CHM 150 - Chemical Principles I</a>	5	4	3
<a href="#">ENG 101 - Composition I</a>	3	3	0
<a href="#">MAT 193 - Reasoning with Functions II</a>	4	4	

##### Courses - Semester 2

	Credits	Lecture	Lab
<a href="#">BIO 151 - Biology II</a>	4	3	2
<a href="#">BIO 250 - Principles of Microbiology</a>	4	3	3
<a href="#">CHM 151 - Chemical Principles II</a>	5	4	3
<a href="#">ENG 102 - Composition II</a>	3	3	0

##### Courses - Semester 3

	Credits	Lecture	Lab
<a href="#">BIO 262 - Genetics</a>	4	3	3
<a href="#">CHM 250 - Analytical Chemistry I</a>	5	4	4

##### Courses - Semester 4

	Credits	Lecture	Lab
<a href="#">BIO 263 - Molecular Biology</a>	4	3	4
<a href="#">BIT 271 - Principles of Biotechnology</a>	4	3	3
<a href="#">CHM 251 - Analytical Chemistry II</a>	4	3	4
<a href="#">ENG 122 - Technical Writing-Comm</a>	3	3	0

#### Approved Electives

Select two Social Science electives from Group A to be taken in the third and fourth semesters. Select one Science Elective from Group B to be taken in the third semester.

Group	Courses	Credits	Lecture	Lab
A	<a href="#">COM 111 - Human Communications</a>	3	3	0
A	<a href="#">ECO 111 - Macroeconomics</a>	3	3	0
A	<a href="#">ECO 122 - Microeconomics</a>	3	3	0
A	<a href="#">POL 111 - Political Science</a>	3	3	0
A	<a href="#">PSY 121 - General Psychology</a>	3	3	0
A	<a href="#">PSY 123 - Industrial Psychology</a>	3	3	0
A	<a href="#">SOC 111 - Sociology</a>	3	3	0
A	<a href="#">CLT 110 - Cross-Cultural Immersion</a>	3	3	0
B	<a href="#">BIT 270 - Cooperative Work Experience</a>	2	0	7
B	<a href="#">SCI 223 - Applied Ecology</a>	3	3	0

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B	<a href="#">CHM 265 - Biochemistry</a>	4	3	4
B	<a href="#">FSY 100 - Introduction to Food Science</a>	3	3	
B	<a href="#">DAT 101 - Intro to Data Analytics/Visual</a>	3	2	3
B	<a href="#">CHM 111 - Intro to Organic &amp; Biochemistry</a>	4	3	2
B	<a href="#">SCI 130 - Introduction to Research</a>	2	1	2
B	( <a href="#">RES 150 - Independent Study &amp; Research I</a>	1	0	3
B	AND <a href="#">RES 200 - Independent Study &amp; Res. II</a>	1	0	3
B	AND <a href="#">RES 250 - Independent Study &amp; Res. III</a> )	1	0	3

*To complete program requirements, you must pass the above courses and earn at least **66 credits**. The number of courses and credits required for graduation may be more depending on your need for developmental education courses and the elective choices you make (if electives are a part of the program). Some programs also have college-level courses that you must take if you do not score at a certain level on the College Placement Test. If this applies to your program, the courses are listed at the top of the sequence sheet before the first semester of the course list.*