

# BIOTECHNOLOGY AAS (G): 334

Total Credits: 60  
Catalog Editions 18-19 through 20-21

Name:

Date:

ID #:

<b>GENERAL EDUCATION: FOUNDATION COURSES</b>	<b>Course</b>	<b>Hours</b>	<b>Grade</b>
English Foundation (ENGL 102 or ENGL 103, grade of C or better required to graduate)		3	
Math Foundation (MATH 110, 115, 117, 120, 130, 150, 165, 170, or 181)† <b>CONSULT BIOTECHNOLOGY PROGRAM ADVISOR ABOUT CHOICE</b>			
<b>GENERAL EDUCATION: DISTRIBUTION COURSES</b>	<b>Course</b>	<b>Hours</b>	<b>Grade</b>
Arts or Humanities Distribution (ARTD or HUMD)			
Behavioral & Social Sciences Distribution (BSSD)		3	
General Education Elective (GEEL)	<b>CHEM 131</b>	4	
Natural Sciences Distribution with Lab (NSLD)	<b>BIOL 150</b>	4	
<b>PROGRAM REQUIREMENTS</b>	<b>Course</b>	<b>Hours</b>	<b>Grade</b>
ENGL 101 or ENGL 101A (if needed for ENGL102/103 or Elective)*			
<b>CHEM 150 or CHEM 203 ‡</b>			
	<b>BIOL 210</b>	4	
	<b>BIOL 222</b>	4	
	<b>BIOT 110</b>	2	
	<b>BIOT 120</b>	3	
	<b>BIOT 200</b>	4	
	<b>BIOT 230</b>	4	
	<b>BIOT 240</b>	4	
<b>PROGRAM ELECTIVE**</b>			
<b>PROGRAM ELECTIVE**</b>			
<b>PROGRAM ELECTIVE (if needed to complete 60 credits)†</b>			

**Overall GPA of 2.0 is required to graduate**

\* ENGL 101/ENGL 101A, if needed for ENGL 102/ENGL 103, or Elective.

\*\* Program Electives: **BIOT 250, CMAP 120, CHEM 132, CHEM 204, PHYS 233, SCIR 297, MATH Elective, BIOL Elective, COMM 108 or COMM 112, HUMD, BSSD, or ARTD.**

Total Credits:

[Biotechnology Website](#)

‡ CHEM 203 (5 semester hours) may be taken instead of CHEM 150.

† Many, but not all four year institutions require MATH 150 or MATH 181 as a Math foundation. Students should consult with a Biotechnology Program Adviser regarding the requirements of transfer institutions.

The biotechnology program is designed to instruct and train students in the field of biotechnology. Entry-level workers in the field of biotechnology are involved in laboratory work such as DNA isolation or sequencing, cell culture, toxicology or vaccine sterility testing, antibody production and isolation, and the testing and development of diagnostic and therapeutic agents. Training is designed to prepare students for both academic achievement and successful employment in the biotechnology industry. The program offers both a degree and two certificates to meet students' different needs.

Last Modified: July 2020

On completion of the biotechnology AAS, the student may transfer to another institution and earn a bachelor's degree in a biological science or may elect to enter the workforce. Course selection within the curriculum depends on which option the student selects.

Advising Worksheet Contact:  
[Anthony Solano](#)

The emphasis of the program is on applied laboratory skills relevant to the biotechnology industry. A solid foundation is obtained through introductory coursework in biotechnology, biology, chemistry, and mathematics. These background courses prepare students for more rigorous upper-level applied coursework in biotechnology, biology, and chemistry taken during the second year. High school biology, chemistry, and math (algebra II) are strongly recommended.

See an [advisor](#) to submit an [Application for Graduation](#) the semester BEFORE you intend to graduate.

Because of the variation in requirements of four-year institutions, students are urged to consult an adviser about specific course selections.

**This UNOFFICIAL document is for planning purposes ONLY and completion does not guarantee graduation.**

This degree is a career program and may not readily transfer to four year colleges/universities (except in special cases.) Visit [transfer planning](#) for more information.