



**Biotechnology**  
 Associate in Science Degree  
 Career-Oriented Program  
**GRADUATION CHECKLIST**

**2020/2021**  
**CATALOG**

This program is a Career-Oriented Degree that provides skills and knowledge, often in the form of a credential or qualification, that allow for direct entry into the work force. These degrees may serve as transfer degrees with or without a guarantee that additional credits will not be needed at the baccalaureate level within the CSU system.

Category	Course	Prerequisite(s)	Cr	Grade	Semester Taken
<b>First Semester (Fall) – 13 credits</b>					
Gen Ed: Written Communication	ENG*101 (or ENG*101E): Composition	Placement and/or <a href="#">See course description</a>	3		
Gen Ed: Historical Knowledge	BIO*109: Principles of Biotechnology	Eligible for ENG*101.	3		
Program Requirement	CSC*101: Introduction to Computers <b>OR</b> Higher	<a href="#">See course description</a>	3		
Program Requirement	CHE*121: General Chemistry I	MAT*137E or MAT*137 with a grade of "C-" or better, eligible for ENG*101, and one of the following: either High School Chemistry or CHE*101 or CHE*111	4		
<b>Second Semester (Spring) – 15</b>					
Gen Ed: Quantitative Reasoning	MAT*167: Principles of Statistics	Eligible for ENG*101 or ENG*101 E and MAT*137 or MAT*137 E (or higher) with a grade of "C" or better <b>OR</b> eligible for ENG*101 or ENG*101 E and math placement	3		
Gen Ed: Scientific Knowledge or Reasoning	BIO*121: General Biology I	Eligible for ENG*101 and eligible for MAT*137 or higher	4		
Program Requirement	CHE*122: General Chemistry II	CHE*121 with a grade of "C-" or better.	4		
Program Requirement	MAT*173: College Algebra <b>OR</b> Higher	<a href="#">See course description</a>	4		
<b>Third Semester (Fall) – 15 credits</b>					
Program Requirement	BIO*222: Molecular Biotechniques	CHE*112 or higher and either BIO*121 or BIO*235.	4		
Program Requirement	BIO*235: Microbiology	ENG*101E or 101, CHE*111 or higher with a grade of "C" or better, and either BIO*105 or BIO*121 taken within the past five years. All with a grade of "C" or better.	4		
Program Requirement	BIO*263: Molecular Genetics	CHE*112 or BIO*121 or BIO*235.	4		
Gen Ed: Written Communication or Gen Ed: Oral Communication	<b>Choose one:</b> <input type="radio"/> COM*173: Public Speaking <b>OR</b> <input type="radio"/> ENG*202: Technical Writing	<a href="#">See course description</a>	3		
<b>Fourth Semester (Spring) – 17 credits</b>					
Gen Ed: <a href="#">Aesthetic Dimensions</a>		<a href="#">See course description</a>	3		
Gen Ed: <a href="#">Social Phenomena I</a>		<a href="#">See course description</a>	3		
Program Requirement	BIO*296: Biotechnology Internship	Permission of the program coordinator.	3		
Program Requirement	CHE*220: Biochemistry	BIO*121 and CHE*122 with a "C" or better in both.	4		
Program Requirement	CHE*250: Instrumental Analysis	CHE*121 with a grade of "C-" or better.	4		
<b>TOTAL CREDITS</b>			<b>60</b>		

# Biotechnology

## Associate in Science Degree

### Career-Oriented Program



Deadline to Apply:

### GRADUATION CHECKLIST

Graduation Year: 20 \_\_\_\_\_

Fall: December 1<sup>st</sup>

2020-2021

Year of Catalog being used \_\_\_\_\_

Spring/Summer: April 15<sup>th</sup>

\_\_\_\_\_  
NAME (First Name, Middle Initial/Name is optional, Last Name) @ \_\_\_\_\_  
BANNER ID

\_\_\_\_\_  
STREET ADDRESS TOWN ZIP PHONE#

Please note: All graduation correspondence will be sent to your college assigned email.

Please be advised that your name and academic major will be printed in the commencement brochure and your academic major will be announced at the graduation ceremony if you choose to attend. Please notify the Enrollment Services Office if you do not wish your information to be printed or announced.

Other college transfer credits to be used? Yes  No

From which college? \_\_\_\_\_

Are they on file at MxCC? Yes  No

Are you applying for more than one degree? Yes  No

If yes, which curriculum? \_\_\_\_\_

#### Graduation Requirements:

Have been met  Will be met at the end of: Fall semester  Spring Semester  Summer Semester

Minimum Required GPA for Graduation is 2.0 Current GPA: \_\_\_\_\_

\_\_\_\_\_  
ADVISOR'S SIGNATURE\* & DATE

\_\_\_\_\_  
STUDENT'S SIGNATURE\* & DATE

*\*Typed name is acceptable for signature.*

Electronic Submissions: This form must be submitted to [MX-Registrar@mxcc.edu](mailto:MX-Registrar@mxcc.edu) from student's official college email address.