

BIOMANUFACTURING TECHNOLOGIES A.A.S.**Associate in Applied Science****Degree Sheet**

2026-2027 Catalog

General Education Courses			19 Credit Hours	Credit Hours	Prerequisites	
BIOL	1303	Principles of Biology (N)	3	[R] [W]		◆◆
BIOL	1311	Principles of Biology Lab (LN)	1	[R] [W]		◆◆
ENGL	1113	English Composition I	3	[R] [W]		◆◆
<i>Select One:</i>			3			◆
ENGL	1213	English Composition II			ENGL 1113	
ENGL	2333	Introduction to Technical Writing			ENGL 1113	
SPCH	1113	Introduction to Speech Communications			[R] [W]	
<i>Select One:</i>			3	[R] [W]		■
HIST	1483	U.S. History to 1865 (S)				
HIST	1493	U.S. History since 1865 (S)				
<i>Select One:</i>			3	[M]		◆◆■
MATH	1483	Mathematical Functions and Their Uses (A)				
MATH	1513	Precalculus I (A)				
POLS	1113	American Government (S)	3	[R] [W]		■
Support and Related Courses			9 Credit Hours			
CHEM	1154	General, Organic and Biochemistry (LN)	4	[R] [M]		◆◆■
CHEM	1315	General Chemistry I (LN)	5		MATH 1483 or 1513, CHEM 1104, CHEM 1154, or High School	◆
Technical Occupational Specialty			33 Credit Hours			
BMFT	1002	Aseptic Techniques	2	[R] [W] [M]		◆◆
BMFT	1102	Basic Laboratory Operations	2		MATH 1483 or 1513, CHEM 1154	◆■
BMFT	1113	Introduction to Laboratory Management	3	[R] [W]		◆■
BMFT	1134	Introduction to Laboratory Equipment	4		CHEM 1154	◆
BMFT	2203	Bioreactors and Cell Culture	3		BIOL 1303 & BIOL1311; BMFT 1002	◆
BMFT	2232	Cell Harvesting	2		BIOL 1303 & BIOL1311	◆
BMFT	2254	Downstream Laboratory Operations	4		BIOL 1303 & BIOL1311	◆■
BMFT	2273	Chromatography	3		CHEM 1315	◆
BMFT	2302	Current Practices in Biomanufacturing	2		BMFT 1102	■
BMFT	2332	Regulatory Compliance in Biomanufacturing	2		BMFT 2254	■
BMFT	2353	Advanced Laboratory Management	3		BMFT 1113	■
BMFT	2373	Industry Practicum	3		Department Head Approval	■

Total to Graduate 61**ADDITIONAL GRADUATION REQUIREMENTS:**

- 2.0 Graduation/Retention GPA
- 15 credit hours earned in residence at OSU-OKC
- Students must complete the prerequisite course with a grade of 'C' or better to advance to the next course in the required sequence

NOTES LEGEND:

- ◆ Embedded certificate: Advanced Laboratory Practices
 - ◇ Embedded certificate: Laboratory Practices
 - Embedded certificate: Laboratory Quality
 - [R] Reading Proficiency/Placement
 - [W] Writing Proficiency/Placement
 - [M] Math Proficiency/Placement
- Learn more about proficiency requirements at <https://osuokc.edu/proficiency>.*