

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

2024-2025 Catalog

General Education Courses			19 Credit Hours	Credit Hours	Prerequisites
BIOL	1303	Principles of Biology	3	[R] [W]	
BIOL	1311	Principles of Biology Lab	1	[R] [W]	
ENGL	1113	English Composition I	3	[R] [W]	
Select One:			3		
ENGL	1213	English Composition II			ENGL 1113
ENGL	2333	Introduction to Technical Report Writing			ENGL 1113
SPCH	1113	Introduction to Speech Communications			[R] [W]
Select One:			3	[R] [W]	
HIST	1483	U.S. History to 1865			
HIST	1493	U.S. History since 1865			
Select One:			3	[M]	
MATH	1483	Mathematical Functions and Their Uses			
MATH	1513	Precalculus I			
POLS	1113	American Government	3	[R] [W]	

**Support and Related Courses****9 Credit Hours**

CHEM	1154	General, Organic and Biochemistry	4	[R] [M]	
CHEM	1315	General Chemistry I	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	2254	Downstream Laboratory Operations	4		BIOL 1303 & BIOL1311
BMFT	2232	Cell Harvesting	2		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: Lab Practices
- ◇ Embedded certificate: Advanced Lab Practices
- ◇ Embedded certificate: Lab Quality
- FA= Fall, SP=Spring, SU=Summer
- [R] Reading Proficiency/Placement
- [W] Writing Proficiency/Placement
- [M] Math Proficiency/Placement