

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

2023-2024 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	Credit Hours	Prerequisites
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	Credit Hours	Prerequisites
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