

LABORATORY QUALITY**Embedded Certificate****Degree Sheet**

2023-2024 Catalog

General Education Courses			9 Credit Hours	Credit Hours	Prerequisites
	Select One:			3	[M]
MATH	1483	Mathematical Functions and Their Uses			
MATH	1513	Precalculus I			
	Select One:			3	[R] [W]
HIST	1483	U.S. History to 1865			
HIST	1493	U.S. History since 1865			
POLS	1113	American Government		3	[R] [W]
Support and Related Courses			4 Credit Hours		
CHEM	1154	General, Organic and Biochemistry		4	[R] [M]
Technical Occupational Specialty			19 Credit Hours		
BMFT	1102	Basic Laboratory Operations		2	[R] [W]
BMFT	1113	Introduction to Laboratory Management		3	BIOL 1303, 1311, BMFT 1002
BMFT	2254	Downstream Laboratory Operations		4	BIOL 1303, 1311
BMFT	2302	Current Practices in Biomanufacturing		2	
BMFT	2332	Regulatory Compliance in Biomanufacturing		2	
BMFT	2353	Advanced Laboratory Management		3	
BMFT	2373	Industry Practicum		3	Department Head Approval

Total to Graduate 32

The courses in this certificate program are included within the Biomanufacturing Technologies A.A.S. degree

ADDITIONAL GRADUATION REQUIREMENTS:

- 2.0 Graduation/Retention GPA
- 9 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:

FA= Fall, SP=Spring, SU=Summer
 [R] Reading Proficiency/Placement
 [W] Writing Proficiency/Placement
 [M] Math Proficiency/Placement