

LABORATORY PRACTICES**Embedded Certificate****Degree Sheet**

2026-2027 Catalog

General Education Courses			10 Credit Hours	Credit Hours	Prerequisites
ENGL	1113	English Composition I		3	[R] [W]
<i>Select One:</i>				3	[M]
MATH	1483	Mathematical Functions and Their Uses (A)			
MATH	1513	Precalculus I (A)			
BIOL	1303	Principles of Biology (N)		3	[R] ICSM 0113
BIOL	1311	Principles of Biology Lab (LN)		1	[R] ICSM 0113

Support and Related Courses **4 Credit Hours**

CHEM	1154	General, Organic and Biochemistry (LN)		4	[R] [M]
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Technical Occupational Specialty **11 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

Total to Graduate 25

The courses in this certificate program are included within the Biomanufacturing Technologies A.A.S. degree, and this certificate may be earned independently.

This certificate has not been approved by the Dept. of Education to be eligible for federal student aid

ADDITIONAL GRADUATION REQUIREMENTS:

- 2.0 Graduation/Retention GPA
- 7 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:

- [R] Reading Proficiency/Placement
[W] Writing Proficiency/Placement
[M] Math Proficiency/Placement

Learn more about proficiency requirements at <https://osuokc.edu/proficiency>.