



BIOMANUFACTURING A.A.S

The following plan is for students matriculating in or before the academic year **2023-2024**

This suggested sequencing plan is provided as a courtesy. The official degree requirements sheet is used to determine eligibility for graduation.

For official degree requirements visit <https://osuokc.edu/academics/degrees>

The sequence below is designed for completion within two years; not following the sequence may delay degree completion.

Some courses are not offered every semester, as noted on the plan below.

YEAR 1				FALL (15 hours)
ENGL 1113	English Composition I			<i>Prerequisites: [R] [W]</i>
MATH 1483	Mathematical Functions and Their Uses			<i>Prerequisite: [M]</i>
CHEM 1154	Basic Chemistry			<i>Prerequisite: [R] [M]</i>
BMFT 1113	Introduction to Laboratory Management	1st 8-weeks FA ONLY		<i>Prerequisites: [R] [W]</i>
BMFT 1002	Aseptic Techniques	2nd 8-weeks FA ONLY		<i>Prerequisites: [R] [W] [M]</i>

				SPRING (16 hours)
HIST 1483	U.S. History to 1865			<i>Prerequisites: [R] [W]</i>
or HIST 1493	U.S. History since 1865			<i>Prerequisites: [R] [W]</i>
POLS 1113	American Government			<i>Prerequisites: [R] [W]</i>
BIOL 1303	Principles of Biology			<i>Prerequisites: [R] ICSM 0113</i>
BIOL 1311	Principles of Biology Laboratory			<i>Prerequisites: [R] ICSM 0113</i>
BMFT 1102	Basic Laboratory Operations			<i>Prerequisites: MATH 1483 or 1513, CHEM 1154</i>
BMFT 1154	Introduction to Laboratory Equipment			<i>Prerequisite: CHEM 1154</i>

YEAR 2				FALL (17 hours)
CHEM 1315	General Chemistry I			<i>Prerequisites: MATH 1483 or 1513, CHEM 1104 or High School Chemistry</i>
ENGL 1213	English Composition II			<i>Prerequisite: ENGL 1113</i>
or ENGL 2333	Introduction to Technical Report Writing			<i>Prerequisite: ENGL 1113</i>
BMFT 2254	Downstream Laboratory Operations			<i>Prerequisites: BIOL 1303, BIOL 1311</i>
BMFT 2203	Bioreactors and Cell Culture	1st 8-weeks FA ONLY		<i>Prerequisites: BIOL 1303, BIOL 1311, BMFT 1002</i>
BMFT 2232	Cell Harvesting	2nd 8-weeks FA ONLY		<i>Prerequisites: BIOL 1303, BIOL 1311</i>

				SPRING (13 hours)
BMFT 2353	Advanced Laboratory Management			<i>Prerequisite: BMFT 1113</i>
BMFT 2302	Current Practices in Biomanufacturing	1st 8-weeks SP ONLY		<i>Prerequisite: BMFT 1102</i>
BMFT 2332	Regulatory Compliance in Biomanufacturing	2nd 8-weeks SP ONLY		<i>Prerequisite: BMFT 2254</i>
BMFT 2273	Chromatography			<i>Prerequisite: CHEM 1315</i>
BMFT 2373	Industry Practicum	2nd 8-weeks SP ONLY		<i>Prerequisite: Department Head Approval</i>
Submit graduation application with enrollment.				

Total Hours: 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

LEGEND

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