ADVANCED LABORATORY PRACTICES

Embedded Certificate

Degree Sheet

2023-2024 Catalog

				2020 2027 Outlandy			
General	Educat	ion Courses 13 Credit Hours	Credit Hours	Prerequisites			
ENGL	1113	English Composition I	3	[R] [W]			
Select Or	ne:		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 Or	ne:		3	[M]			
MATH	1483	Mathematical Functions and Their Uses					
MATH	1513	Precalculus I	-				
BIOL	1303	Principles of Biology	3	[R] ICSM 0113			
BIOL	1311	Principles of Biology Lab	1	[R] ICSM 0113			
Support and Related Courses 9 Credit Hours							
CHEM	1154	General, Organic and Biochemistry	4	[R] [M]			
CHEM	1315	General Chemistry I	5	[R] [M]			
Technical Occupational Specialty 14 Credit Hours							
BMFT	1002	Aseptic Techniques	2	[R] [W] [M]			
BMFT	2203	Bioreactors and Cell Culture	3	BIOL 1303, 1311, BMFT 1002			

	1002		-	For Four Four
BMFT	2203	Bioreactors and Cell Culture	3	BIOL 1303, 1311, BMFT 1002
BMFT	2232	Cell Harvesting	2	BIOL 1303, 1311
BMFT	2254	Downstream Laboratory Operations	4	BIOL 1303, 1311
BMFT	2273	Chromatography	3	CHEM 1315

Total to Graduate 36

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