



Biotechnology 2025 – 2026 Associate of Applied Science Degree/Certificate Plan

A minimum 2.0 cumulative GPA is required for the degree. The residency requirement specifies that a minimum of 15 credit hours must be completed at Jefferson College. Courses with similar content may not both apply towards graduation. The computer literacy requirement must be completed with a grade of “C” or better. See a list of course options for each general education and institutional degree requirement below the degree plan. For a list of MOTR approved general education courses, visit the [MOTR webpage](#). This plan is not a substitute for meeting with an [Advising Specialist](#).

	Course Titles and General Education/Institutional Requirements	Course Number	Completed/ In Progress	Future	Certificate	Degree
Core Sciences and Science Electives	Biology for Majors II (4)	BIO104			X	X
	Biotechnology for Majors I (4)	BIO240			X*	X*
	Biotechnology for Majors II (4)	BIO250			X*	X*
	Biotechnology for Majors III (4)	BIO260				X
	Biophysics (5)	BIO220				X
	Technical Internship (3) OR Technical Research (3)	INT193, 194				X
	Science Electives (8)					X
General Education and Institutional Requirements	Written Communications (3)	ENG101(H)				X
	Communications (3)					X
	Social and Behavioral Sciences (3)					X
	Civics (3)					X
	MO Civics Exam	PSC001				X
	Mathematical Science (3)				X	X
	Natural Science (9)	BIO103			X	X
		CHM111			X	
	Computer Literacy (3)					X
	First Year Experience (1)				X	X
					Total Credits	25
						60

General Education/Institutional Requirements	Credits Required	Course Options
Science Electives	8	BIO215, CHM112, CHM210
Written Communications	3	ENG101(H)
Communications	3	COM100(H), COM110, or ENG102(H)
Social and Behavioral Sciences	3	SOC101(H)
Civics	3	HST103(H), HST104(H), PSC102(H)
Mathematical Science AND/OR Natural Science	6	MTH132, MTH134 or higher*
Computer Literacy	3	CIS125^, EDU205^
First Year Experience	1	COL100^, COL101^, COL136^, EGR100^

^These courses listed in the General Education and Institutional Requirements are not part of the MOTR CORE42 general education program, and are not a guaranteed transfer to other institutions.

*Credit for Prior Learning can be awarded if the Biotechnology Aptitude & Competency Exam (BACE) is passed within 5 years of enrollment.

*MTH132 is recommended for Mathematical Science requirement.