



**Biotechnology
Associate Applied in Science
Four Semester Pathway Academic Year 2024-2025**

Semester 1	Requirement	Recommended	Prerequisites	Corequisites	Credits	My Plan
FIGS 100	Student Success Elective - Science, Engineering & Mathematics Pathway				1	
MATH 155	Statistics		MATH 040		3	
ENGL 100	English Composition		ENGL 080		3	
BIOL 110	Biotechnology with Lab		ENGL 080 or ENGL 101, MATH 040		4	
BIOL 124	Biology I & Lab		ENGL 080 or ENGL 101, MATH 040		4	
Semester 2						
BIOL 128	Biology II with Lab		BIOL 124		4	
PHYS 110	Technical Physics with Lab			MATH 040	4	
BIOL 250	Microbiology		BIOL 100 or BIOL 124 or BIOL 132		5	
ENGL 115	Introduction to Literature		ENGL 100 or ENGL 101		3	
Semester 3						
CHEM 120	General Chemistry I with Lab		ENGL 080 or ENGL 101	MATH 145	4	
BIOL 255	Cell Biology		BIOL 100, BIOL 120 or BIOL 124		3	
MATH 140	College Algebra		MATH 040		3	
MATH 146	Introduction to Trigonometry		MATH 040	MATH 140	1	
	Social Science/Humanities Elective		See course prerequisites	See course corequisites	3	
ENGL 110	Oral Communications		ENGL 080 or ENGL 101		3	
Semester 4						
BIOL 212	Genetics & Lab		BIOL 128		4	
BIOL 275	Biotechnology Internship		BIOL 110, BIOL 124, BIOL 250		2	
CHEM 125	General Chemistry II with Lab		CHEM 120		4	
BUSN 151	Spreadsheet Applications		ENGL 080 or ENGL 101, MATH 040		3	
PHIL 105	Ethical Dilemmas		ENGL 080 or ENGL 101		3	
				Total Credits	64	

[Advice on Choosing Electives](#)

Biotechnology

General Education Requirements					
COURSE CODE	COURSE TITLE	PREREQUISITES	COREQUISITES	CREDITS	MET
ENGL 100	English Composition	ENGL 080		3	
ENGL 115	Introduction to Literature	ENGL 100 or ENGL 101		3	
FIGS 100	Student Success Elective - Science, Engineering & Mathematics Pathway			1	
MATH 155	Statistics	MATH 040		3	
BIOL 124	Biology I & Lab	ENGL 080 or ENGL 101, MATH 040		4	
ENGL 110	Oral Communications	ENGL 080 or ENGL 101		3	
PHIL 105	Ethical Dilemmas	ENGL 080 or ENGL 101		3	
	Social Science Elective			3	

Major Required Courses					
COURSE CODE	COURSE TITLE	PREREQUISITES	COREQUISITES	CREDITS	MET
BIOL 110	Biotechnology with Lab	ENGL 080 or ENGL 101, MATH 040		4	
BIOL 128	Biology II with Lab	BIOL 124		4	
BIOL 212	Genetics with Lab	BIOL 128		4	
BIOL 250	Microbiology with Lab	BIOL 100 or BIOL 124 or BIOL 132		5	
BIOL 255	Cell Biology	BIOL 100, BIOL 120 or BIOL 124		3	
BIOL 275	Biotechnology Internship	BIOL 110, BIOL 124, BIOL 250		2	
CHEM 120	General Chemistry I with Lab	ENGL 080 or ENGL 101	MATH 130 or MATH 140	4	
CHEM 125	General Chemistry II with Lab	CHEM 120		4	
MATH 140	College Algebra	MATH 040		3	
MATH 146	Introduction to Trigonometry	MATH 040	MATH 140	1	
PHYS 110	Technical Physics with Lab		MATH 040	4	
BUSN 151	Spreadsheet Applications	ENGL 080 or ENGL 101, MATH 040		3	