



## Biotechnology

### Associate Applied in Science

Four-Semester Pathway - Academic Year 2019-2020

Semester 1	Requirement	Recommended	Prerequisites	Corequisites	Credits	My Plan
FIGS-100	Freshman Interest Group				1	
MATH-155	Statistics		MATH-030		3	
ENGL-100	English Composition		ENGL-090, ENGL-095		3	
BIOL-110	Biotechnology with Lab for Majors		ENGL-090, MATH-030		4	
BIOL-124	Biology I & Lab		ENGL-090, ENGL-095, MATH-030		4	
<b>Semester 2</b>						
BIOL-128	Biology II & Lab		BIOL-124		4	
PHYS-110	Technical Physics & Lab			MATH-030	4	
BIOL-250	Microbiology		BIOL-100 or BIOL-124 or BIOL-132		5	
ENGL-115	Introduction to Literature		ENGL-100		3	
<b>Semester 3</b>						
CHEM-120	General Chemistry I with Lab		ENGL-090, ENGL-095	MATH-145	4	
BIOL-255	Cell Biology		BIOL-124		3	
MATH-140	College Algebra		MATH-050		3	
MATH -146	Introduction to Trigonometry		MATH-050	MATH-140	1	
	Social Science/Humanities Elective		See course prerequisites	See course corequisites	3	
ENGL-110	Oral Communications		ENGL-090, ENGL-095		3	
<b>Semester 4</b>						
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	
CMPT-151	Spreadsheet Applications		ENGL-090, MATH-030		3	
PHIL-105	Ethical Dilemmas		ENGL-090, ENGL-095		3	

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<b>General Education Requirements</b>					
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>PREREQUISITES</b>	<b>COREQUISITES</b>	<b>CREDITS</b>	<b>MET</b>
ENGL-100	English Composition	ENGL-090, ENGL-095		3	
ENGL-115	Introduction to Literature	ENGL-100		3	
FIGS-100	Freshman Interest Group			1	
MATH-155	Statistics	MATH-030		3	
BIOL-124	Biology I & Lab	ENGL-090, ENGL-095, MATH-030		4	
ENGL-110	Oral Communications	ENGL-090, ENGL-095		3	
PHIL-105	Ethical Dilemmas	ENGL-090, ENGL-095		3	
	Social Science Elective			3	

<b>Major Required Courses</b>					
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>PREREQUISITES</b>	<b>COREQUISITES</b>	<b>CREDITS</b>	<b>MET</b>
BIOL-110	Biotechnology with Lab for Majors	ENGL-090, MATH-030		4	
BIOL-128	Biology II & Lab	BIOL-124		4	
BIOL-212	Genetics and Lab	BIOL-128		4	
BIOL-250	Microbiology	BIOL-100 or BIOL-124 or BIOL-132		5	
BIOL-255	Cell Biology	BIOL-100 or BIOL-124		3	
BIOL-275	Biotechnology Internship	BIOL-110, BIOL-124, BIOL-250		2	
CHEM-120	General Chemistry I with Lab	ENGL-090, ENGL-095	MATH-130 or MATH-140 or MATH-145	4	
CHEM-125	General Chemistry II with Lab	CHEM-120		4	
MATH-140	College Algebra	MATH-050		3	
MATH-146	Introduction to Trigonometry	MATH-050	MATH-140	1	
PHYS-110	Technical Physics & Lab		MATH-030	4	
CMPT-151	Spreadsheet Applications	MATH-030, ENGL-090		3	