



Term 1	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
17-118 OR 17-117 OR 17-120	Precalculus Algebra OR Precalculus OR Calculus I		3-4	
04-106/107	Principles of Biology & Lab		4	
10-111	Composition I		3	
24-114/115	General Chemistry I & Lab		4	
77-101	University Seminar		1	
Total Hours			15-16	
Term 2	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
17-114	General Statistics		3	
10-112	Composition II	Composition I	3	
04-112/113	General Botany & Lab	Principles of Biology & Lab	4	
24-116/117	General Chemistry II & Lab	General Chemistry I & Lab	5	
Total Hours			15	
Term 3	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
25-110/111	General Physics I & Lab	Mathematical Modeling OR Precalculus OR Precalculus Algebra OR Calculus I	4	
04-114/115	General Zoology & Lab	Principles of Biology & Lab	4	
10-220	Intro to Literature		3	
	Social & Behavioral Science		3	
	Fine Art		3	
Total Hours			17	
Term 4	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
04-140	General Microbiology	Principles of Biology & Lab AND General Chemistry I & Lab	4	
25-112/113	General Physics II & Lab	Mathematical Modeling OR Precalculus OR Precalculus Algebra OR Calculus I	4	
04-350	Genetics	Principles of Biology & Lab	4	
29-102	Fundamentals of Oral Communication		3	
	Social & Behavioral Sciences		3	
Total Hours			18	

1 = a milestone course completed by end of year 1 to remain on pace to finish degree requirements in four years.

2 = a milestone course completed by end of year 2 to remain on pace to finish degree requirements in four years.

3 = a milestone course completed by end of year 3 to remain on pace to finish degree requirements in four years.

4 = a milestone courses taken in final year to complete degree requirements.



Term 5	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
	Humanities		3	
24-342/343	Organic Chemistry I & Lab	General Chemistry II & Lab	4	FALL ONLY course
04-310	Cell Biology	Principles of Biology & Lab AND General Chemistry I & Lab AND General Chemistry II & Lab	4	
04-511	Techniques in Biotechnology	Genetics	4	Recommended Elective. FALL ODD YEAR only course. Recommended prerequisite General Microbiology
Total Hours			15	
Term 6	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
04-238 OR 04-330 OR 04-430 OR 04-438	Physiology Allied Health OR Animal Anatomy & Physiology OR Plant Physiology OR Human Physiology	Allied: Principles of Biology & General Chemistry & Lab OR General Chemistry I & Lab Animal: General Zoology & Lab AND General Chemistry I & Lab Plant: General Botany & Lab OR Cell Biology OR Genetics AND General Chemistry I & Lab Human: Cell Biology	4	Human Physiology recommends Medical Terminology and Anatomy Allied Health OR Comparative Anatomy OR Human Anatomy Animal A&P – SPRING ONLY course Plant Phys – SPRING EVEN ONLY course
24-344/345	Organic Chemistry II & Lab	Organic Chemistry I & Lab	4	SPRING ONLY course
	Humanities		3	
	Digital Literacy		3	
Total Hours			14	
Term 7	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
04-348	Biological Evolution & Diversity	General Botany & Lab AND General Zoology & Lab	2	
04-376	Basic Ecology	General Botany & Lab AND General Zoology & Lab	4	FALL ONLY course
24-562/563	General Biochemistry & Lab	Organic Chemistry I & Lab	4	FALL ONLY course LAB is NOT required by strongly recommended
	Elective		2	
Total Hours			12	

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Term 8	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
33-155 OR 33-156	The United States to 1877 OR The United States since 1877		3	
34-102	Intro to American Government & Politics		3	
04-491	Biological Science Seminar		1	
	Elective		3	
04-440 OR 04-444	Molecular Biology OR Immunology	Molecular: Genetics Immuno: General Microbiology AND Cell Biology	4-5	Molecular: SPRING ODD course. Immuno: SPRING ONLY course. Recommended elective
Total Hours			14-15	

1

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2

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3

= a milestone course completed by end of year 3 to remain on pace to finish degree requirements in four years.

4

= a milestone courses taken in final year to complete degree requirements.