



This degree track is intended for students interested in preparation for professional programs such as **medical, dental, veterinary, and optometry** school. Many of the requirements for these programs are the same. Students are encouraged to speak to their academic advisor about how best to utilize their elective hours to give themselves the best chance for admission to one of these programs.

Term 1	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
04-106/107	Principles of Biology & Lab		4	
24-114/115	General Chemistry I & Lab		4	
10-111	Composition I		3	
17-120	Calculus I	Precalculus OR Precalculus Algebra AND Trigonometry OR ACT Math score of at least 27, or high school GPA of 3.9 is recommended	4	
77-101	University Seminar		1	
Total Hours			16	
Term 2	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
04-112/113 OR 04-114/115	General Botany & Lab OR General Zoology & Lab	Principles of Biology & Lab	4	
24-116/117	General Chemistry II & Lab	General Chemistry I & Lab	5	
10-112	Composition II	Composition I	3	
08-103	General Psychology		3	Recommended Social & Behavioral Science
Total Hours			15	
Term 3	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
04-112/113 OR 04-114/115	General Botany & Lab OR General Zoology & Lab	Principles of Biology & Lab	4	
25-110/111	General Physics I & Lab	Mathematical Modeling OR Precalculus OR Precalculus Algebra OR Calculus I	4	
29-102	Fundamentals of Oral Communication		3	
17-114	General Statistics	An ACT Math score of 22 or higher, high school GPA of 3.00 or higher or concurrently with Strategies for General Statistics	3	Science section
35-102	General Sociology		3	Recommended Social & Behavioral Science
Total Hours			17	

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 4	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
04-350	Genetics	Principles of Biology & Lab	4	
25-112/113	General Physics II & Lab	Mathematical Modeling OR Precalculus OR Precalculus Algebra OR Calculus I	4	
04-140	General Microbiology	Principles of Biology & Lab AND General Chemistry I & Lab	4	
	Fine Art		3	
Total Hours			15	
Term 5	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
24-342/343	Organic Chemistry I & Lab	General Chemistry II & Lab	4	
04-310	Cell Biology	Principles of Biology & Lab AND General Chemistry I & Lab AND General Chemistry II & Lab	4	Recommended prerequisite Organic Chemistry I & Lab
	Elective		4	Recommend Animal Science Course
	Humanities		3	
Total Hours			15	
Term 6	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
39-276	Biomedical Ethics		3	Recommended Humanities
24-344/345	Organic Chemistry II & Lab	Organic Chemistry I & Lab	4	
	Digital Literacy		3	
04-438	Human Physiology	Cell Biology	4	Highly recommended Physiology Course option. Recommended prerequisites Medical Terminology AND Anatomy Allied Health OR Comparative Anatomy OR Human Anatomy
Total Hours			14	

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Term 7	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
04-435 OR 04-436	Comparative Anatomy OR Human Anatomy	Comparative: General Zoology & Lab AND General Physics I & Lab OR Classical Physics I & Lab Human: General Zoology & Lab	4-5	Human Anatomy recommended prerequisite Medical Terminology
24-562	General Biochemistry	Organic Chemistry I & Lab	3	
04-376	Basic Ecology	General Botany & Lab AND General Zoology & Lab	4	
33-155 OR 33-156	The United States to 1877 OR The United States since 1877		3	
Total Hours			14-15	
Term 8	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
04-348	Biological Evolution & Diversity	General Botany & Lab AND General Zoology & Lab	2	
04-491	Biological Science Seminar	Genetics	1	
10-220	Intro to Literature		3	
34-102	Intro to American Government		3	
	Elective		5	
Total Hours			14	

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.