



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	
17-117 OR 17-118 OR 17-120	Precalculus OR Precalculus Algebra OR Calculus I	Precalculus: A minimum ACT Math score of 22, or a minimum high school GPA of 3.5  Precalc Algebra: A minimum ACT Math score of 22, or a minimum high school GPA of 3.5 OR concurrent with Strategies for Precalculus Algebra  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	3-5	
77-101	University Seminar		1	
<b>Total Hours</b>			<b>15-17</b>	
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
<b>Total Hours</b>			<b>15</b>	
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	
24-342/343	Organic Chemistry I & Lab	General Chemistry II & Lab	4	
29-102	Fundamentals of Oral Communication		3	
35-102	General Sociology		3	Recommended Social & Behavioral Science
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 Statistic	3	
<b>Total Hours</b>			<b>17</b>	

**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	
24-344/345	Organic Chemistry II & Lab	Organic Chemistry I & Lab	4	
	Digital Literacy		3	
	Fine Art		3	
<b>Total Hours</b>			<b>14</b>	
Term 5	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	Consider taking during a summer term to distribute your science course load more evenly.
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
	Humanities		3	
24-562	General Biochemistry	Organic Chemistry I & Lab	3	
	Upper-level Elective		3	
<b>Total Hours</b>			<b>17</b>	
Term 6	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
39-276	Biomedical Ethics		3	Recommended Humanities
25-112/113	General Physics II & Lab	Mathematical Modeling OR Precalculus OR Precalculus Algebra OR Calculus I	4	Consider taking during a summer term to distribute your science course load more evenly.
04-140	General Microbiology	Principles of Biology & Lab AND General Chemistry I & Lab	4	Consider taking during a summer term to distribute your science course load more evenly.
04-438	Human Physiology	Cell Biology	4	
<b>Total Hours</b>			<b>15</b>	

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 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
34-102	Intro to American Government and Politics		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	
<b>Total Hours</b>			<b>14-15</b>	
Term 8	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
04-348	Biological Evolution & Diversity	General Botany & Lab AND General Zoology & Lab	2	Consider taking during a summer term to distribute your science course load more evenly.
04-491	Biological Science Seminar	Genetics	1	
10-220	Intro to Literature		3	
22-336	Basic Biomechanics	Anatomy	3	Recommended upper- level elective
	Elective		4	
<b>Total Hours</b>			<b>13</b>	

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.