







Term 1	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
34-102	Intro to American Government		3	
04-106/107	Principles of Biology & Lab		4	
77-101	University Seminar		1	
10-111	Composition I		3	
24-114/115	General Chemistry I & Lab		4	Enrolling in General Chemistry 112/113 should be considered prior to General Chemistry II if a rigorous high school Chemistry background is absent. Similar considerations without proficiency in high school Algebra II.
<b>Total Hours</b>			<b>15</b>	
Term 2	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
10-112	Composition II	Composition I	3	
24-116/117	General Chemistry II & Lab	General Chemistry I & Lab	5	
17-117 OR 17-120	Precalculus OR Calculus	Precalc: Minimum ACT Math 22 or high school GPS of 3.5 Calculus I: Precalculus OR Precalculus Algebra AND Trigonometry OR ACT Math score of 27 or high school GPA 3.9	4-5	Most pharmacy schools require Calculus I. Refer to pharmacy program of interests.
	Elective		3	
<b>Total Hours</b>			<b>15-16</b>	
Term 3	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
24-342/343	Organic Chemistry I & Lab	General Chemistry II & Lab	4	
04-140	General Microbiology	Principles of Biology & Lab OR General Biology & Lab OR General Chemistry I & Lab	4	
24-110/111 OR 25-120/121	General Physics I & Lab OR Classical Physics I & Lab	General: Mathematical Modeling OR Precalc OR Precalculus Algebra OR Calculus I Classical: Calculus I	4-5	
29-102	Fundamentals of Oral Communication		3	
<b>Total Hours</b>			<b>15-16</b>	

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Term 4	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
24-344/345	Organic Chemistry II & Lab	Organic Chemistry I & Lab	4	
25-112/113 OR 25-230/231	General Physics II & Lab OR Classical Physics II & Lab	General: Mathematical Modeling OR Precalc OR Precalculus Algebra OR Calculus I Classical: Calculus II AND Classical Physics I & Lab	4-5	
04-350	Genetics	Principles of Biology & Lab	4	
10-220	Intro to Literature		3	
<b>Total Hours</b>			<b>15</b>	
Term 5	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
08-103	General Psychology		3	
24-322/323	Analytical Chemistry & 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 to have Organic Chemistry I & Lab
04-436	Human Anatomy	General Zoology & Lab (or permission from instructor)	4	Recommended to have Medical Terminology
<b>Total Hours</b>			<b>14</b>	
Term 6	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
04-438	Human Physiology	Cell Biology	4	Recommended to have Medical Terminology AND either Allied Anatomy OR Human Anatomy
	Western Experience		3	
	Digital Literacy		3	
24-436	Medicinal Chemistry I	Permission of Instructor	3	Taught ONLINE through University of Kansas
	Electives		3	
<b>Total Hours</b>			<b>16</b>	
Term 7	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
24-562	General Biochemistry	Organic Chemistry I	3	
24-438	Medicinal Chemistry II	Permission of Instructor	3	Taught ONLINE through University of Kansas
	Behavioral & Social Science		3	
	American Experiences		3	
	Elective		3	
<b>Total Hours</b>			<b>16</b>	

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Term 8	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
24-592	Chemistry Seminar		1	
	Electives		7-8	
	Fine Arts		3	
	Humanities		3	
<b>Total Hours</b>			<b>14-15</b>	

Students applying to medical or pharmacy school should consult with school of interest to determine the specific requirements for that specific program (i.e. Human Anatomy & Human Physiology), which will take priority over suggested outline.

1

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4

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