



Term 1	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
44-130	Computers and Info Tech		3	
24-114/115	General Chemistry I & Lab		4	
17-120	Calculus I	Precalculus OR Precalculus Algebra AND Trigonometry	4	
10-111	Composition I		3	
77-101	University Seminar		1	
Total Hours			15	
Term 2	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
44-141	Computer Programming I	Foundations of Computing OR Computers & Info Tech	3	
10-112	Composition II	Composition I	3	
17-114	General Statistics	ACT Math Score of 22 or higher, High School GPA 3.0 or higher OR concurrent enrollment in Strategies for General Statistics	3	
04-106/107	Principles of Biology & Lab		4	
24-116/117	General Chemistry II & Lab	General Chemistry I & Lab	5	
Total Hours			18	
Term 3	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
44-241	Computer Programming II	Computer Programming I	3	
17-316	Linear Statistics Models I	General Statistics OR Probability and Statistics	3	
17-311	Linear Algebra	Precalculus OR Calculus	3	
44-155	Intro to Data Science & Data Mining	General Statistics OR Probability and Statistics	3	FALL ODD YEAR COURSE
33-155 OR 33-156	The United States to 1877 The United States since 1877		3	
Total Hours			15	
Term 4	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
17-356	Data Mining with Applications	General Statistics OR Probability and Statistics	3	SPRING EVEN YEAR COURSE
54-313	Principles of Management		3	
04-140 OR 04-310	General Microbiology OR Cell Biology	Micro: General Biology & Lab OR Principles of Biology & Lab & General Chemistry I & Lab Cell: Principles of Biology & Lab AND General Chemistry I & Lab AND General Chemistry II & Lab	4	Organic Chemistry I & Lab recommended for Cell Biology.
	Advisor-approved elective		3-4	
34-102	Intro to American Government		3	
Total Hours			16-17	

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



Term 5	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
44-413	Visualization	General Statistics AND Computer Programming I	3	
24-342/343	Organic Chemistry I & Lab	General Chemistry II & Lab	4	
04-350	Genetics	Principles of Biology & Lab	4	
	Advisor Approved Elective		3	
Total Hours			14	
Term 6	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
17-316	Linear Statistical Models II	General Statistics OR Probability and Statistics	3	SPRING ODD YEAR COURSE
39-275	Professional Ethics		3	
	Fine Arts		3	
29-102	Fundamentals of Oral Communication		3	
44-460	Database Systems	Computer Programming II	3	
Total Hours			15	
Term 7	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
	Social & Behavioral Sciences		3	
10-220	Intro to Literature		3	
44-317	Management Information Systems		3	
04-511	Techniques in Biotechnology	Genetics. Recommended to have General Microbiology	4	FALL ODD YEAR course Students may choose between Techniques of Biotech & Molecular Biology. Both are recommended. If only opt for one, need 4 additional credit hours
44-555	Bioinformatics	Genetics	3	FALL ODD YEAR COURSE
Total Hours			16	
Term 8	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
	Humanities		3	
52-150	Principles of Macroeconomics		3	
55-440	Principles of Marketing		3	
04-440	Molecular Biology	Genetics	4	SPRING ODD YEAR course. Students may choose between Techniques of Biotech & Molecular Biology. Both are recommend If only opt for one, need 4 additional credit hours
Total Hours			13	

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