Term 1	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
44-101	Foundations of Computing*		3	
44-155	Intro to Data Science and Data Mining		3	New offering: Fall WB
29-102	Fund of Oral Communication		3	
10-111	Composition I		3	
44-141	Computer Programming I	2 units of high school algebra and either CSIS 44101 OR CSIS 44130 with a grade of C or better, or School director's permission	3	**1**
77-101	University Seminar		1	
		Total Hours	**16**	

Term 2	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
10-112	Composition II	ENGL 10111	3	
17-114	General Statistics*	An ACT Math score of 22 or higher, high school GPA of 3.00 or higher, or a minimum grade of C in MATH 17082, or concurrent enrollment in MATH 17014	3	**1** / **2** Depending on semester of enrollment; is a prerequisite for 17-356 which is only offered every other year.
17-120	Calculus I	MATH 17117 with a minimum grade of C, or MATH 17118 and MATH 17119 with a minimum grade of C in both, or equivalent. ACT Math score of at least 27 or a high school GPA of 3.9 is recommended.	4	
44-241	Computer Programming II	CSIS 44141 with a grade of C or better	3	**2**
		Total Hours	**13**	

Term 3	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
44-242	Data Structures	CSIS 44241, and MATH 17114 or MATH 17117 or MATH 17118 or MATH 17120 (or concurrent enrollment), all with a grade of C or better, or consent of instructor	3	**3**
17-316	Linear Statistics Models I	A minimum grade of C in either MATH 17114 or MATH 17230, or consent of instructor	3	
	Social & Behavioral Sciences		3	
34-102	Intro to American Gov. & Politics		3	
	Fine Arts		3	
		Total Hours	**15**	

Term 4	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
17-318	Linear Statistics Models II	A minimum grade of C in either MATH 17114 OR 17230	3	

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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.

	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
	Civics-History		3	
44-460	Database Systems	CSIS 44241, with a grade of C or better	3	(3)
54-114	Principles of Management		3	
	Physical Science		4	
		Total Hours	**16**	

Term 5	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
44-413	Visualization	MATH 17114 and CSIS 44141	3	
17-311	Linear Algebra	MATH 17117 with a minimum grade of C, or MATH 17120 with a minimum grade of C	3	
52-150	Principles of Microeconomics*		3	
44-317	Management Information Systems	MGMT 54313 and either CSIS 44101 or CSIS 44130, each with a grade of C or better	3	(3)
10-220	Introduction to Literature		3	
		Total Hours	**15**	

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

Term 6	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
39-275	Professional Ethics*		3	
44-560	Advanced Topics in Database Systems	CSIS 44241 and CSIS 44460, each with a grade of C or better.	3	
17-356	Data Mining with Apps	MATH 17114 or MATH 17230 or consent of instructor.	3	Offered every other Spring; take when available
55-330	Principles of Marketing		3	
	Electives		4	
	Total Hours		**16**	

Term 7	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
44-517	Big Data	MATH 17230 or MATH 17316, both with a grade of C or better and CSIS 44242 with a grade of C or better	3	△4
44-411	Systems Analysis and Design	CSIS 44317 with a minimum grade of C, and advanced standing, or consent of the instructor. (F)	3	
44-563	Dev Web apps and Services	CSIS 44241 and CSIS 44460, each with a grade of C or better	3	
	Life Science and Lab		4	
	Humanities		3	
	Total Hours		**16**	

Term 8	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
44-520	Web Mining	A grade of C or better in both CSIS 44242 and CSIS 44460	3	△4
44-418	IT Project Management	CSIS 44317 and either CSIS 44411 or CSIS 44561, each with a grade of C or better.	3	△4
	Electives		6	
	Total Hours		**12**	

* Class satisfies a NW Core requirement or Institutional Requirement

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