



Term 1	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
44-101	Foundations of Computing		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	
29-102	Fund. of Oral Communication		4	
10-111	Composition I		3	
77-101	University Seminar		1	
Total Hours			14	
Term 2	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
10-112	Composition II	ENGL 10111	3	
17-118	Pre-calculus Algebra (Option B)*	An ACT Math score of 22 or higher, or a score of PASS on the NW Algebra Review, or a minimum grade of C in MATH 17082, or concurrent enrollment in MATH 17018	3	
44-241	Computer Programming II	CSIS 44141 with a grade of C or better	3	1
	Life Sciences & Lab		4	
	Fine Arts		3	
Total Hours			16	
Term 3	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
44-356	Network Fundamentals	CSIS 44130 or CSIS 44101 with a grade of C or better	3	2
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	2
44-296	Professional Development Sem.	Sophomore standing and CSIS 44141	3	
17-114	General Stats (Option B)*	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	
	Physical Sciences & Lab **		4	
Total Hours			16	
Term 4	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
44-460	Database Systems	CSIS 44241, with a grade of C or better	3	2
44-345	Computer Organization	CSIS 44242, with a grade of C or better, and one semester of chemistry, physics, or physical science	3	Spring only 2

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.



34-102	Intro to American Govt & Politics		3	
44-249	Building Blocks of Theoretical CS	Sophomore standing and a minimum grade of C in CSIS 44141 and any of the following: MATH 17117 or MATH 17118 or MATH 17120	3	
	Humanities		3	
Total Hours			15	
Term 5	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
	Civics - History		3	
17-316	Linear Stat Model I (Option B)*	A minimum grade of C in MATH 17114 or consent of instructor	3	
44-443	Mobile Computing-iOS	CSIS 44242, with a grade of C or better	3	
	Approved CS/IS Elective(300+ Level)		3	
	Social & Behavioral Sciences		3	
Total Hours			15	
Term 6	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
10-220	Intro to Literature		3	
44-349	Survey of Algorithms	CSIS 44242 and CSIS 44249 each with a grade of C or better	3	Spring only
44-444	Mobile Computing-Android	CSIS 44242 with a grade of C or better	3	
44-451	Adv. Topics in Mobile Computing	CSIS 44443 OR CSIS 44444 with a minimum grade of a C	3	Spring only, Even Years***
	Humanities		3	
Total Hours			15	
Term 7	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes
44-550	Operating Systems	CSIS 44345, with a grade of C or better	3	Fall only
44-525	Theo & Imp Program Lang	CSIS 44242 and CSIS 44249, with grades of C or better, or consent of instructor	3	Fall only
44-561	Software Engineering Principles	Prerequisites: CSIS 44242 and CSIS 44460 with a grade of C or better	3	Fall only
	Approved CS/IS Elective (300+ Level)		3	
	Electives		3	
Total Hours			15	
Term 8	Course Title/Description	Pre-requisite	Cr Hrs	Milestone/Notes


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= a milestone course completed by end of year 3 to remain on pace to finish degree requirements in four years.

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




44-451	Approved CS/IS Elective(300+ Level)***		3	
44-562	Software Engineering II	CSIS 44561 with a grade of C or better	3	Spring only 
	Social & Behavioral Sciences		3	
	Electives		5	
Total Hours			14	


*Schedule shows Math Option B. Students may elect for Math Option A instead. If Math Option A is chosen, then make the following substitutions:


- Spring year 1-replace 17-118 Pre-calculus Algebra with 17-117 Pre-calculus (4hours)
- Fall year 2-replace 17-114 General Statistics with 17-120 Calculus (4 hours)
- Fall year 3-replace 17-316 Linear Stat Model I with 17-114 General Statistics


**Taking Fundamentals of Classical Physics I & Lab (5 hours) will reduce elective hours by 1.

***Swap Advanced topics in Mobile computing with the CS-Elective in Term 8 depending which year Adv Mobile computing is offered.

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