



Plan of Study

Mathematics

Computer Science and Math

Catalog Year: 2025 – 2026

Sample Schedule: students are not limited to this plan; it is meant to serve as a guide for planning purposes in discussions with your academic advisor. This plan is one possible path to completing this degree in *four years*.

FIRST YEAR

First Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
ENGL 101 Composition	Goal 1 general education	3	F,S, SU
MATH 201 Intro to Discrete	MATH 114	3	F,S,SU
CSC 105 Intro to Computers		3	F,S,SU
CSC 150 Computer Science 1		3	F,S,SU
CMST 101, 215, or 222	Goal 2 general education	3	F,S,SU
		Total Credit Hours	15

Second Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
MATH 123 Calculus I	Math 120 or placement	4	F,S,SU
CSC 250 Computer Science II	CSC 150	3	F,S,SU
CIV 100 American Civics	Goal 4 General Education	3	F,S
Natural Science Course	Goal 6 General Education	3	F,S,SU
MATH 281 Intro to Statistics	MATH 114	3	F,S,SU
		Total Credit Hours	16

SECOND YEAR

Third Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 234 Software Security	CSC 250	3	F,S, SU
CSC 300 Data Structures	CSC 250	3	F,S,SU
CSC 314 Assembly Language	CSC 250	3	F,S,SU
MATH 316 Discrete Math	MATH 123 and MATH 201	3	F,S,SU
ENGL 201 Composition II		3	F,S,SU
		Total Credit Hours	15

Fourth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 260 Object Oriented Design	CSC 250	3	F,S,SU
CSC 310 Adv Data Structures	CSC 300	3	S
MATH 125 Calculus 2		4	S
MATH 315 Linear Algebra		3	S,SU
Art and Humanities		3	F,S
		Total Credit Hours	16

THIRD YEAR

Fifth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 285 Networking I		3	F
CSC 410 Parallel Computing	CSC 300	3	F
CSC 461 Programming Languages	CSC 300	3	F
MATH Elective #1 (see list)		3	F,S
Social Science General Education		3	
	Total Credit Hours	15	

Sixth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CIS 332 Structured System Analysis and Design Or CSC 321 Cyber Law and Policy Or CIS 424 Software Dev with Agile Meth	CSC 150 30 Credits Completed CIS 251 or CSC 250	3	F,S,SU
CIS /CSC 300-400 Elective #1		3	
CSC 456 Operating Systems	CSC 300 and CSC 314	3	S
MATH Elective #2 (see list)		3	
Natural Sciences		3	
	Total Credit Hours	15	

FOURTH YEAR

Seventh Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 470 Software Engineering	CSC 300	3	F
CSC 482 Algorithms and Optimization	CSC 300 and MATH 316	3	F
CIS/CSC 300-400 Elective #2		3	
MATH Elective #3 (see list)		3	
Art and Humanities		3	
	Total Credit Hours	15	

Eighth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 404 Foundations of Computation	CSC 300 and MATH 201	3	S
CIS/CSC 300-400 Elective #3		3	
MATH Elective #4 (see list)		3	
Elective		3	
Elective		0-2	
	Total Credit Hours	12-14	

P = Course Prerequisite

Semester: F = Fall; S = Spring; SU = Summer

Information and course schedules may change. This is not a contract.