



Plan of Study
BACHELOR OF SCIENCE
COMPUTER SCIENCE

Catalog Year: 2021-2022

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
CSC 105 Introduction to Computers		3	
CSC 150 Computer Science I		3	
ENGL 101		3	
MATH 114 College Algebra		3	
CMST 101, 215 or 222		3	
	Total Credit Hours	15	

Second Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 250 Computer Science II	CSC 150	3	
MATH 120 Trigonometry	MATH 114	3	
MATH 201 Intro to Discrete Math	MATH 114	3	
Arts and Humanities		3	
Natural Science		3	
	Total Credit Hours	15	

SECOND YEAR

Third Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 234 Software Security	CSC 250	3	Fall and Summer
CSC 300 Data Structures	CSC 250	3	
CSC 314 Assembly Language	CSC 250	3	
MATH 123 Calculus I	MATH 120	4	
ENGL 201	ENGL 101	3	
	Total Credit Hours	16	

Fourth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 260 Object Oriented Design	CSC 250	3	
CSC 310 Adv Data Structures	CSC 300	3	
MATH 316 Discrete Math	MATH 201	3	Spring
Arts and Humanities		3	
Social Science		3	
	Total Credit Hours	15	

THIRD YEAR

Fifth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 285 Networking I		3	
CSC 410 Parallel Computing	CSC 300	3	Fall
CSC 461 Programming Languages	CSC 300	3	Fall
MATH 281	MATH 114	3	
Social Science		3	
Total Credit Hours		15	

Sixth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CIS 332 System Analysis and Design or CSC 321 Information Security Management or CIS 424 Software Dev with Agile Meth	CSC 150 30 credits Completed CIS 251 or CSC 250	3	
CIS/CSC 300-400 Elective (#1)		3	
CSC 456 Operating Systems	CSC 300 and CSC 314	3	Spring and Summer
Elective		3	
Natural Science		3	
Total Credit Hours		15	

FOURTH YEAR

Seventh Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 470 Software Engineering	CSC 300	3	Fall
CSC 482 Algorithms and Optimization	CSC 260, CSC 300 and MATH 316	3	Fall
CIS/CSC 300-400 Elective (#2)		3	
Elective		3	
MATH elective (#1 – see catalog for approved courses)		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	Spring
CIS/CSC 300-400 Elective (#3)		3	
Elective		3	
Elective		2	
MATH Elective (#2– see catalog for approved courses))		3	
Total Credit Hours		14	

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

Unless otherwise noted, courses are generally offered most semesters.

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