

BACHELOR OF SCIENCE IN COMPUTER SCIENCE - IA TRACK

Summary of Graduation Requirements

Subject Area	Credits
General Education Core (https://catalog.nsu.edu/undergraduate/academic-information/general-education-core-program/)	40
Major Requirements	56
Electives	24
Other Requirements	0
Total Credit Hours	120

Curriculum

Course	Title	Credits
First Year		
PED 100	Fundamentals of Fitness for Life	1
HED 100	Personal and Community Health	2
CSC 101	Introduction to the Computer Science Profession	1
CSC 170	Computer Programming I	3
CSC 170L	Computer Programming Laboratory I	1
CSC 260	Computer Programming II	3
CSC 260L	Computer Programming II Laboratory	1
ENG 101	College English I	3
ENG 102	College English II	3
MTH 153	College Algebra & Trigonometry	3
MTH 184	Calculus I	4
SEM 101 & SEM 102	Spartan Seminar 101 and Spartan Seminar 102	2
XXX XXX	Social Science Elective	3
Credits		30
Second Year		
SEM 201	Spartan Seminar 201	1
CSC 268	Computer Organization	3
ENG 303	Professional & Technical Writing	3
CSC 295	Java Applications Programming	3
CSC 275	Fundamentals of Cybersecurity	3
MTH 251	Calculus II	4
MTH 371	Discrete Mathematical Structures	4
PSY 210	Introduction to Psychology	3
ENG 285	Public Speaking	3
Select one Laboratory Science Elective of the following:		4
BIO 110 & 110L	General Biology and General Biology Laboratory	
PHY 152 & 152L	General Physics and General Physics Laboratory I	
CHM 221 & 221L	General Chemistry I and General Chemistry I Laboratory	
Credits		31

Third Year

CSC 292	Unix and C Programming	3
CSC 361	Survey of Programming Languages	3
CSC 420	Database Principles and Design	3
CSC 380	Software Engineering	3
MTH 351	Probability & Statistics I	3
CSC 430	Data Communications	3
CSC 449	Cryptography and Network Security	3
XXX XXX	Humanities or Foreign Language	3
Select one Laboratory Science Elective Sequence of the following:		4
BIO 110 & 110L	General Biology and General Biology Laboratory	
PHY 152 & 152L	General Physics and General Physics Laboratory I	
CHM 221 & 221L	General Chemistry I and General Chemistry I Laboratory	
Select one Laboratory Science Elective Sequence of the following:		4
BIO 111 & 111L	General Biology II and General Biology II Laboratory	
PHY 153 & 153L	General Physics and General Physics Laboratory II	
CHM 222 & 222L	General Chemistry II and General Chemistry II Laboratory	
Credits		32
Fourth Year		
CSC 445	Computer Network Defense	3
CSC 313	Network Administration	3
XXX XXX	Mathematics Elective (300 level or above)	3
CSC 464	Operating Systems	3
CSC 468	Computer Architecture	3
CSC 498	Computer Science Seminar I	2
CSC 499	Computer Science Seminar II	2
CSC 494	Digital Forensics	3
XXX XXX	Humanities Cultural Elective I	3
XXX XXX	Social Sciences Cultural Elective	3
Credits		28
Total Credits		121