

BACHELOR OF SCIENCE IN COMPUTER SCIENCE - SOFTWARE ENGINEERING 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		
SEM 101 & SEM 102	Spartan Seminar 101 and Spartan Seminar 102	2
CSC 101	Introduction to the Computer Science Profession	1
CSC 170	Computer Programming I	3
CSC 170L	Computer Programming Laboratory I	1
MTH 153	College Algebra & Trigonometry	3
ENG 101	College English I	3
PED 100	Fundamentals of Fitness for Life	1
CSC 260	Computer Programming II	3
CSC 260L	Computer Programming II Laboratory	1
MTH 184	Calculus I	4
ENG 102	College English II	3
XXX XXX	Social Science Elective	3
HIS 101	History of World Societies II	
HIS 103	United States History Since 1865	
BUS 175	Introduction to Business & Entrepreneurship	
ECN 200	Basic Principles of Economics	
SOC 101	Introduction to the Social Sciences	
HED 100	Personal and Community Health	2
Credits		30
Second Year		
SEM 201	Spartan Seminar 201	1
CSC 295	Java Applications Programming	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	

MTH 251	Calculus II	4
MTH 371	Discrete Mathematical Structures	4
CSC 268	Computer Organization	3
CSC 372	Data Structures	3
CSC 292	Unix and C Programming	3
CSC 275	Fundamentals of Cybersecurity	3
ENG 285	Public Speaking	3
Credits		31

Third Year

CSC 373	Algorithms Design and Analysis	3
ENG 303	Professional & Technical Writing	3
XXX XXX	Social Science Cultural Elective	3
HIS 335	African-American History	
HIS 336	African-American History Since 1865	
HIS 371	Modern African History & Cultures 1600-PRESENT	
HRP 320	African American Health	
MTH 351	Probability & Statistics I	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	
CSC 361	Survey of Programming Languages	3
CSC 420	Database Principles and Design	3
CSC 380	Software Engineering	3
XXX XXX	Computer Science Elective 300 level or above	3
XXX XXX	Humanities or Foreign Language	3
ENG 207	Introduction to World Literature	
FIA 201	Basic Art Appreciation	
MUS 301	Music Appreciation	

Credits 31

Fourth Year

CSC 498	Computer Science Seminar I	2
CSC 464	Operating Systems	3
CSC 485	Software Quality Assurance and Testing	3
CSC 430	Data Communications	3
CSC 486	Software Project Management	3
CSC 499	Computer Science Seminar II	2
CSC 468	Computer Architecture	3
XXX XXX	Humanities Cultural Elective	3
ENG 383	African-American Literature, 1940-PRESENT	
MUS 234	African-American Music	
CSC 488	Principles of Distributed Software Systems	3
CSC 487	Engineering Secure Software Systems	3

Credits 28

Total Credits 120