

BACHELOR OF SCIENCE IN COMPUTER SCIENCE - COMPUTER 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	73
Electives	12
Other Requirements	0
Total Credit Hours	125

Curriculum

First Year		Credits
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
CSC 268	Comp Organi & Assem	3
MTH 184	Calculus I	4
HED 100	Personal and Community Health	2
ENG 102	College English II	3
Credits		30

Second Year

SEM 201	Spartan Seminar 201	1
CSC 372	Data Structures	3
PHY 160 & 160L	University Physics I and University Physics Laboratory I	5
MTH 251	Calculus II	4
XXX XXX	Social Science Elective	3
HIS 101	Hist of Civilizat	
HIS 103	United States History Since 1865	
ECN 200	Basic Principles of Economics	
BUS 175	Introduction to Business & Entrepreneurship	
SOC 101	Introduction to the Social Sciences	
PHY 161 & 161L	University Physics II and University Physics Laboratory II	5
MTH 252	Calculus III	4
CSC 295	Java Applications Programming	3

ENG 285	Public Speaking	3
Credits		31

Third Year

EEN 201	Electrical Network Theory I	3
EEN 201L	Electrical Network Theory I Laboratory	1
MTH 351	Probability & Statistics I	3
MTH 371	Discrete Mathematical Structures	4
CSC 292	Unix and C Programming	3
CSC 361	Survey of Programming Languages	3
MTH 372	Differential Equations	3
EEN 231	Digital Electronics Logic Design	3
EEN 231L	Digital Logic Design Laboratory	1
CSC 380	Software Engineerng	3
ENG 303	Professional & Technical Writing	3
EEN 203	Electronic Principles	3
Credits		33

Fourth Year

EEE 431	Microcontrollers	3
CSC 275	Fundamentals of Cybersecurity	3
XXX XXX	Humanities Elective	3
CSC 468	Computer Architecture	3
CSC 498	Computer Science Seminar I	2
XXX XXX	Social Science Cultural Elective	3
XXX XXX	Humanities Cultural Elective	3
CSC XXX	Computer Science Elective 300 level or above	3
CSC 430	Data Communications	3
CSC 464	Operating Systems	3
CSC 499	Computer Science Seminar II	2
Credits		31
Total Credits		125