BACHELOR OF SCIENCE IN COMPUTER SCIENCE - SOFTWARE ENGINEERING TRACK (DNIMAS)

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Summary of Graduation Requirements

Subject Area	Credits
General Education Core (https://catalog.nsu.edu/undergraduate/science-engineering-technology/special-academic-programs/computer-science-bs-dnimas-software-engineering-track/undergraduate/academic-information/general-education-core-program/)	40
Major Requirements	72
Electives	12
Other Requirements	0
Total Credit Hours	**124**

Course	Title	Credits
First Year		
APS 110	Applied Science Seminar	0
SEM 101	Spartan Seminar 101	1
CSC 101	Intro to Computer Science Profession	1
CSC 170	Computer Programming I	3
CSC 170L	Computer Programming I Laboratory	1
MTH 184H	Honors Calclulus I	4
PHY 160	University Physics I	4
PHY 160L	University Physics Laboratory I	1
SEM 102	Spartan Seminar 102	1
APS 111	Applied Science Seminar	0
CSC 260	Computer Programming II	3
CSC 260L	Computer Programming II Laboratory	1
MTH 251H	Honors Calculus II	4
PHY 161	University Physics II	4
PHY 161L	University Physics Laboratory II	1
XXX XXX	Social Science Elective [1]	3
	Credits	**32**
Second Year		
SEM 201	Spartan Seminar 201	1
APS 210	Applied Science Seminar	0
CSC 295	Java Applications Programming	3
MTH 252H	Honors Calculus III	4
ENG 101H	Honors College English I	3
CHM 221	General Chemistry I	3
CHM 221L	General Chemistry I Laboratory	1
APS 211	Applied Science Seminar	0
CSC 268	Computer Organization	3
CSC 372	Data Structures	3
MTH 371	Discrete Mathematical Structures	4
ENG 102H	Honors College English II	3
CSC 275	Fundamentals of Cybersecurity	3
	Credits	**31**
Third Year		
APS 310	Applied Science Seminar	0
CSC 292	Unix and C Programming	3
CSC 373	Algorithms Design and Analysis	3
MTH 351	Probability & Statistics I	3
ENG 285H	Honors Public Speaking	3
XXX XXX	Foreign Language Elective	3
APS 311	Applied Science Seminar	0
CSC 361	Survey of Programming Languages	3
CSC 380	Software Engineering	3
CSC 420	Database Principles and Design	3
ENG 303	Professional & Technical Writing	3
HED 100	Personal and Community Health	2
PED 100	Fundamentals of Fitness for Life	1
	Credits	**30**
Fourth Year		
APS 410	Applied Science Seminar	0
CSC 430	Data Communications	3
CSC 464	Operating Systems	3
CSC 485	Software Quality Assurance and Testing	3
CSC 486	Software Project Management	3
CSC 498	Computer Science Seminar I	2
APS 411	Applied Science Seminar	0
CSC 468	Computer Architecture	3
CSC 487	Engineering Secure Software Systems	3
CSC 488	Distributed Software Systems	3
CSC 499	Computer Science Seminar II	2
XXX XXX	Humanities Cultural Elective [2]	3
XXX XXX	Social Science Cultural Elective [3]	3
	Credits	**31**
	Total Credits	**124**

[1] HIS 101; HIS 103; BUS 175; ECN 200; SOC 101

[2] ENG 383; MUS 234

[3] HIS 335; HIS 336; HIS 371; HRP 320