

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

## Summary of Graduation Requirements

Subject Area	Credits
General Education Core ( <a href="https://catalog.nsu.edu/undergraduate/academic-information/general-education-core-program/">https://catalog.nsu.edu/undergraduate/academic-information/general-education-core-program/</a> )	40
Major Requirements	69
Electives	17
<b>Total Credit Hours</b>	<b>126</b>

## Curriculum

Course	Title	Credits
<b>First Year</b>		
APS 110	Applied Science Seminar	0
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 184H	Honors Calculus I	4
PHY 160	University Physics I	4
PHY 160L	University Physics Laboratory I	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
XXX XXX	Social Science Elective	3
PHY 161	University Physics II	4
PHY 161L	University Physics Laboratory II	1
<b>Credits</b>		<b>32</b>
<b>Second Year</b>		
SEM 201	Spartan Seminar 201	1
APS 210	Applied Science Seminar	0
CSC 268	Computer Organization	3
MTH 252	Calculus III (** Take the Honors section ***)	4
ENG 101H	Honors College English I	3
CSC 275	Fundamentals of Cybersecurity	3
APS 211	Applied Science Seminar	0
CSC 295	Java Applications Programming	3
MTH 371	Discrete Mathematical Structures	4
ENG 102H	Honors College English II	3
CHM 222	General Chemistry II	3
CHM 222L	General Chemistry II Laboratory	1
<b>Credits</b>		<b>28</b>

## Third Year

APS 310	Applied Science Seminar	0
CSC 292	Unix and C Programming	3
CSC 361	Survey of Programming Languages	3
EEN 201	Electrical Network Theory I	3
EEN 201L	Electrical Network Theory I Laboratory	1
MTH 351	Probability & Statistics I	3
ENG 285H	Honors Public Speaking	3
APS 311	Applied Science Seminar	0
EEN 203	Electronic Principles	3
CSC 372	Data Structures	3
CSC 380	Software Engineering	3
MTH 372	Differential Equations	3
HED 100	Personal and Community Health	2
PED 100	Fundamentals of Fitness for Life	1
<b>Credits</b>		<b>31</b>

## Fourth Year

APS 410	Applied Science Seminar	0
CSC 430	Data Communications	3
CSC 464	Operating Systems	3
CSC 498	Computer Science Seminar I	2
EEN 331 & 331L	Microprocessors and Microprocessor Lab	4
XXX XXX	Humanities Cultural Elective	3
ENG 303	Professional & Technical Writing	3
APS 411	Applied Science Seminar	0
EEN 231	Digital Electronics Logic Design	3
CSC 468	Computer Architecture	3
CSC 499	Computer Science Seminar II	2
XXX XXX	Foreign Language Elective	3
XXX XXX	Social Science Cultural Elective	3
XXX XXX	Computer Science Elective (300 Level or Above)	3
<b>Credits</b>		<b>35</b>
<b>Total Credits</b>		<b>126</b>