

BACHELOR OF SCIENCE IN PHYSICS - (DNIMAS) 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	39
Electives	6
Other Requirements	35
Total Credit Hours	120

Curriculum

First Year		Credits
APS 110	Applied Science Seminar	0
APS 111	Appli Sci Seminar	0
ENG 101H	Honors College English I	3
ENG 102H	Honors College English II	3
HED 100	Personal and Community Health	2
MTH 184H	Honors Calculus I	4
MTH 251H	Honors Calculus II	4
PED 100	Fundamentals of Fitness for Life	1
PHY 160	University Physics I	4
PHY 160L	University Physics Laboratory I	1
PHY 161	University Physics II	4
PHY 161L	University Physics Laboratory II	1
SEM 101 & SEM 102	Spartan Seminar 101 and Spartan Seminar 102	2

Credits **29**

Second Year

APS	Applied Sciences Seminar	0
APS	Applied Sciences Seminar	0
CSC 170	Computer Programming I	3
ENG 299	Writing Competency Exam	0
MTH 252	Calculus III	4
MTH 372	Differential Equations	3
PHY 241	Physics Seminar	1
PHY 260	University Physics III	4
PHY 345	Mathematical Methods Physical Sciences I	3
PHY 350	Modern Physics	3
ENG 285H	Honors Public Speaking	3
XXX XXX	Humanities Elective	3
XXX XXX	Computer Science Elective	3
SEM 201	Spartan Seminar 201	1

Credits **31**

Third Year

APS 310/311	Applied Science Seminar	0
PHY 351	Modern Physics	2
CHM 221L	General Chemistry I Laboratory	1
CHM 222L	General Chemistry II Laboratory	1

CHM 223A	General Chemistry I	4
CHM 224A	General Chemistry II	4
PHY 365	Physical Mechanics	3
PHY 366	Physical Mechanics	3
PHY 375	Electricity and Magnetism I	3
PHY 380	Quantum Mechanics I	3
PHY 399	Advanced Laboratory	2
PHY 445	Mathematical Methods for Physical Sciences II	3
XXX XXX	Social Science Elective	3

Credits **32**

Fourth Year

APS 410	Applied Science Seminar	0
APS 411		0
PHY 356	Heat and Thermodynamics	3
PHY 468	Optics	3
PHY 475	Electricity and Magnetism II	3
PHY 480	Quantum Mechanics II	3
PHY 498	Sr Project I	2
PHY 499	Sr Project II	2
XXX XXX	Free Electives	6
XXX XXX	Cultural Elective	6

Credits **28**

Total Credits **120**