

PHYSICS, BACHELOR OF SCIENCE

Summary of Graduation Requirements

Subject Area	Credits
General Education Core (https://catalog.nsu.edu/undergraduate/academic-information/general-education-core-program/)	40
Major Requirements	68
Electives	0
Other Requirements	12
Total Credit Hours	120

Curriculum

Course	Title	Credits
First Year		
ENG 101	College English I	3
ENG 102	College English II	3
HED 100	Personal and Community Health	2
MTH 184	Calculus I	4
MTH 251	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

SEM 201	Spartan Seminar 201	1
Select one of the following Cultural Perspectives (Humanities):		3
ENG 383	African-American Literature, 1940-PRESENT	
MUS 234	African-American Music	
XXX XXX	Elective from General Education Core	3
XXX XXX	Elective (unrestricted)	3
CSC 169	Introduction to Computer Science	3
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
PHY 351	Modern Physics	2
Credits		33

Third Year

CHM 221	General Chemistry I	3
CHM 221L	General Chemistry I Laboratory	1
CHM 222	General Chemistry II	3

CHM 222L	General Chemistry II Laboratory	1
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
ENG 285	Public Speaking	3
XXX XXX	Social Science Elective from the General Core	3
Credits		31

Fourth Year

XXX XXX	Elective (unrestricted)	9
Select one of the following Cultural Perspectives - Social Sciences:		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	
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
Credits		28
Total Credits		121