

BACHELOR OF SCIENCE IN CHEMISTRY - PRE-MEDICINE (DNIMAS) TRACK

Summary of Graduation Requirements

Subject Area	Credits
General Education Core (https://catalog.nsu.edu/undergraduate/academic-information/general-education-core-program/)	31
Major Requirements	58
Electives	7
Other Requirements	26
Total Credit Hours	122

Curriculum

Course	Title	Credits
First Year		
APS 110	Applied Science Seminar	0
APS 111	Applied Science Seminar	0
CHM 231H & CHM 231R	General Chemistry I Honors and General Chemistry Applications I	4
CHM 221L	General Chemistry I Laboratory	1
CHM 232H & CHM 232R	General Chemistry II Honors and General Chemistry Applications II	4
CHM 222L	General Chemistry II Laboratory	1
CSC 170 & 170L	Computer Programming I and Computer Programming Laboratory I	4
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
SEM 101 & SEM 102	Spartan Seminar 101 and Spartan Seminar 102	2
Credits		33
Second Year		
APS 210	Applied Science Seminar	0
APS 211	Applied Science Seminar	0
CHM 321	Organic Chemistry I	3
CHM 321L	Organic Chemistry I Laboratory	2
CHM 322	Organic Chemistry II	3
CHM 323L	Synthesis and Analysis in Organic Chemistry Laboratory (*Honor section Required - CHM 323LH*)	2
CHM 331	Analytical Chemistry I	3
CHM 331L	Analytical Chemistry I Laboratory	2
MTH 252	Calculus III	4
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
ENG 285H	Honors Public Speaking	3
SEM 201	Spartan Seminar 201	1
Credits		33

Third Year

APS 310	Applied Science Seminar	0
APS 311	Applied Science Seminar	0
XXX XXX	Restricted Biology Elective	3
BIO 300 Level or Higher		
BIO 110H & BIO 110L	Honors General Biology and General Biology Laboratory	4
CHM 332	Analytical Chemistry II	3
CHM 332L	Analytical Chemistry II Laboratory	2
CHM 345	Mathematical Methods & Logic for the Physical Sciences	3
CHM 451 & CHM 452	Chemistry Seminar I and Chemistry Seminar II	2
CHM 361	Physical Chemistry I	3
CHM 362	Physical Chemistry II	3
CHM 363L	Physical Chemistry Laboratory	2
CHM 497 & CHM 498	Introduction to Research and Introduction to Research	2
CHM 473	Advanced Inorganic Chemistry	3
Credits		30

Fourth Year

APS 410	Applied Science Seminar	0
APS 411	Applied Science Seminar	0
XXX XXX	Restricted Biology Electives	4
ENG 203 or ENG 303	Advanced Communication Skills or Professional & Technical Writing	3
XXX XXX	Social Science Elective or HIS from the Core	3
XXX XXX	Humanities & Cultural Elective from the Core	6
CHM 431 & 431L	Biochemistry I and Biochemistry I Laboratory	5
CHM 432 & 432L	Biochemistry II and Biochemistry II Laboratory	5
Credits		26
Total Credits		122