

# BACHELOR OF SCIENCE IN CHEMISTRY - PRE-MEDICINE CONCENTRATION

## 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> )	34
Major Requirements	56
Electives	6
Other Requirements	27
<b>Total Credit Hours</b>	<b>123</b>

## Curriculum

Course	Title	Credits
<b>First Year</b>		
SEM 101 & SEM 102	Spartan Seminar 101 and Spartan Seminar 102	2
CHM 231 or CHM 231H	General Chemistry I or General Chemistry I Honors	3
CHM 231R	General Chemistry Applications I	1
CHM 221L	General Chemistry I Laboratory	1
CHM 232 or CHM 232H	General Chemistry II or General Chemistry II Honors	3
CHM 232R	General Chemistry Applications II	1
CHM 222L	General Chemistry II Laboratory	1
CSC 170	Computer Programming I	3
CSC 170L	Computer Programming Laboratory I	1
ENG 101	College English I	3
ENG 102	College English II	3
HED 100	Personal and Community Health	2
MTH 153	College Algebra & Trigonometry	3
MTH 184	Calculus I	4
PED 100	Fundamentals of Fitness for Life	1

**Credits** 32

## Second Year

SEM 201	Spartan Seminar 201	1
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 (or CHM 323LH)	2
CHM 331	Analytical Chemistry I	3
CHM 331L	Analytical Chemistry I Laboratory	2
MTH 251	Calculus II	4
MTH 252	Calculus III	4
PHY 152	General Physics	3
PHY 152L	General Physics Laboratory I	1
PHY 153	General Physics	3

PHY 153L	General Physics Laboratory II	1
<b>Credits</b>		<b>32</b>

## Third Year

ENG 285	Public Speaking	3
BIO XXX	Restricted Biology Elective	3
BIO 300 Level or higher		
HIS XXX	History from the Core	3
BIO 110 & 110L	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	Chemistry Seminar I	1
CHM 361	Physical Chemistry I	3
CHM 362	Physical Chemistry II	3
CHM 363L	Physical Chemistry Laboratory	2

**Credits** 30

## Fourth Year

CHM 497/498	Introduction to Research	1
CHM 473	Advanced Inorganic Chemistry	3
BIO XXX	Restricted Biology Elective	3
SOC 101	Introduction to the Social Sciences	3
XXX XXX	Humanities from the Core	3
XXX XXX	Cultural Elective from the Core	6
CHM 431	Biochemistry I	3
CHM 431L	Biochemistry I Laboratory	2
CHM 432	Biochemistry II	3
CHM 432L	Biochemistry II Laboratory	2

**Credits** 29

**Total Credits** 123