

# BACHELOR OF SCIENCE IN CHEMISTRY

## 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	54
Electives	7
Other Requirements	26
<b>Total Credit Hours</b>	<b>121</b>

## Curriculum

First Year	Credits
SEM 101 Spartan Seminar 101 & SEM 102 and Spartan Seminar 102	2
CHM 231 General Chemistry I or CHM 231H or General Chemistry I Honors	3
CHM 231R General Chemistry Applications I	1
CHM 221L General Chemistry I Laboratory	1
CHM 232 General Chemistry II or CHM 232H 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
<b>Credits</b>	<b>32</b>

## 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	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
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HIS XXX History from the Core	3
BIO 110 General Biology & 110L 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 & CHM 452 and Chemistry Seminar II	2
CHM 361 Physical Chemistry I	3
CHM 362 Physical Chemistry II	3
CHM 363L Physical Chemistry Laboratory	2
<b>Credits</b>	<b>28</b>

## Fourth Year

CHM 497 Introduction to Research & CHM 498 and Introduction to Research	2
CHM 473 Advanced Inorganic Chemistry	3
SOC 101 Introduction to the Social Sciences	3
CHM XXX Chemistry (Restrictive Electives) <sup>1</sup>	7
XXX XXX Cultural Elective from the Core	6
CHM 431 Biochemistry I	3
CHM 431L Biochemistry I Laboratory	2
XXX XXX Humanities from the Core	3
<b>Credits</b>	<b>29</b>
<b>Total Credits</b>	<b>121</b>

<sup>1</sup> Select 6 hours from: CHM 397, CHM 398, CHM 473L, CHM 431L, CHM 432, CHM 432L, CHM 475, CHM 481, CHM 497, CHM 498, CHM 474 and CHM 474H (Maximum of one elective hour of research).