



Major: Chemistry, BS (Bachelor of Science)
2026-2027 4-Year Plan Guide

Major: 45 credit hours, Total Degree Requirements: 120 credit hours

Students are not limited to this plan; it is meant to be used as a guide for planning purposes in consultation with your advisor. The sample schedule is one possible path to completing your degree within four years. For official program requirements, please refer to the [Undergraduate Catalog](#).

FIRST YEAR

Fall

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
FYS 101 First Year Seminar	Major	2
CHEM 130 Success in Science	Major	1
CHEM 112/L General Chemistry I & Lab	SGR #6 & Major	4
MATH 123 Calculus I	SGR #5 & Major	4
ENGL 101 Composition I	SGR #1	3
Total Credit Hours:		14

Spring

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
CHEM 114/L General Chemistry II & Lab	SGR #6 & Major	4
ENGL 201 Composition II	SGR #1	3
Social Science elective	SGR #3	3
Fine Arts & Humanities elective	SGR #4	3
Major/Minor Elective	Major/Minor	3-4
Total Credit Hours:		16-17

SECOND YEAR

Fall

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
CHEM 326/L Organic Chemistry I	Major & Additional Requirements	4
Oral Communication Elective	SGR #2	3
Fine Arts & Humanities elective	SGR #4	3
Human Values Elective	Additional Requirements	3
Major/Minor Elective	Major/Minor	3-4
Total Credit Hours:		16-17

Spring

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
CHEM 328/L Organic Chemistry II	Major	4
Social Science Civics elective	SGR #3	3
Quantitative Elective	Additional Requirements & Major	3-4
Major/Minor Elective	Major/Minor	3-4
Major/Minor Elective	Major/Minor	3-4
Total Credit Hours:		16-18



THIRD YEAR

Fall

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
CHEM 332/L Analytical Chemistry	Major	4
PHYS 211/L University Physics I & Lab	Prerequisite course	5
Major/Minor Elective	Major/Minor	3-4
Major/Minor Elective	Major/Minor	3-4
Total Credit Hours:		15-17

Spring

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
CHEM 434/L Instrumental Analysis & Lab	Major	4
CHEM 452/L Inorganic Chemistry & Lab	Major	4
PHYS 213/L University Physics II & Lab	Prerequisite course	5
Major/Minor Elective	Major/Minor	3-4
Total Credit Hours:		16-17

FOURTH YEAR

Fall

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
CHEM 342/L Physical Chemistry I & Lab	Major	4
CHEM 498 Undergrad Research	Major	1
Major/Minor Elective	Major/Minor	3-4
Major/Minor Elective	Major/Minor	3-4
Major/Minor Elective	Major/Minor	3-4
Total Credit Hours:		14-17

Spring

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
CHEM 344/L Physical Chemistry II & Lab	Major	4
CHEM 490 Seminar	Major	1
Major/Minor Elective	Major/Minor	4
Major/Minor Elective	Major/Minor	3-4
Total Credit Hours:		12-13

COMMENTS & NOTES

Notes:

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As part of the Bachelor of Science, students in this program must complete the Bachelor of Science [Requirements](#)