



**Major: Chemistry, BS (Bachelor of Science)**  
**2025-2026 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 Seminar	Major	2
ENGL 101 Composition I	SGR #1	3
Social Science Elective	SGR #3	3
MATH 114 or higher	SGR #5	3
CHEM 130 Success in Science	Major	1
CHEM 112/L General Chemistry I & Lab	Major & SGR #6	4

**Total Credit Hours: 16**

**Spring**

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
ENGL 201 Composition II	SGR #1	3
Social Science Civics Elective	SGR #3	3
Fine Arts Elective	SGR #4	4
MATH 120 Trigonometry	Prerequisite	3
CHEM 114/L General Chemistry II & Lab	Major	4

**Total Credit Hours: 16**

**SECOND YEAR**

**Fall**

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
Oral Communications Elective	SGR #2	3
CHEM 326/L Organic Chemistry	Major & Additional Requirements	4
PHYS 111/L Introduction to Physics & Lab	Prerequisite	4
MATH 123 Calculus I	Major	4

**Total Credit Hours: 15**

**Spring**

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
Fine Arts Elective	SGR #4	3
Human Values Elective	Additional Requirement	3
CHEM 328/L Organic Chemistry II & Lab	Major	4
PHYS 113/L Introduction to Physics & Lab	Prerequisite	4

**Total Credit Hours: 15**



### THIRD YEAR

#### Fall

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
CHEM 342/L Physical Chemistry I & Lab	Major	4
CHEM 498 Undergraduate Research	Major	1
Elective	Elective	3
Elective	Elective	3
Elective	Elective	3

**Total Credit Hours: 14**

#### Spring

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
CHEM 344/L Physical Chemistry II & Lab	Major	4
Elective	Elective	4
Elective	Elective	3
Elective	Elective	3

**Total Credit Hours: 14**

### FOURTH YEAR

#### Fall

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
CHEM 332/L Analytical Chemistry & Lab	Major	4
Elective or Minor Course	Elective	4
Elective or Minor Course	Elective	4
Elective or Minor Course	Elective	3

**Total Credit Hours: 15**

#### Spring

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
CHEM 434/L Instrumental Analysis & Lab	Major	4
CHEM 452/L Inorganic Chemistry	Major	4
CHEM 490 Seminar	Major	1
Elective or Minor Course	Elective	4
Elective or Minor Course	Elective	3

**Total Credit Hours: 16**

### 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](#)