



**Major: Chemistry, BS (Bachelor of Science) &
Secondary Education, BSED (Bachelor of Science Education)
2025-2026 4-Year Plan Guide**

**Chemistry Major: 45 credit hours, Secondary Education Major: 42 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 190 First Year Seminar	Major	2
BIOL 130 Success in Science	Major	1
MATH 114 College Algebra	SGR #5	3
ENGL 101 Composition I	SGR #1	3
CHEM 112/L General Chemistry I & Lab	Major & SGR #6 Second Course	4
EDFN 102 Introduction to Education	Teacher Education & Additional Program Requirement	3
Total Credit Hours:		16

Spring

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
ENGL 201 Composition II	SGR #1	3
CHEM 112/L General Chemistry II & Lab	Major	4
Social Science Elective	SGR #3 First Course	3
SPED 100 Intro to Persons with Exceptionalities	Teacher Education Requirement	3
MATH 120 Trigonometry	Prerequisite	3
Total Credit Hours:		16

SECOND YEAR

Fall

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
CHEM 326/L Organic Chemistry I & Lab	Major	4
CHEM 332/L Analytical Chemistry & Lab	Major	4
PHYS 111/L Introduction to Physics I & Lab	Prerequisite	4
MATH 123 Calculus I	Major	4
Total Credit Hours:		16

Spring

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
CHEM 328/L Organic Chemistry II & Lab	Major	4
CHEM 434/L Instrumental Analysis & Lab	Major	4
PHYS 113/L Introduction to Physics II & Lab	Prerequisite	4
CHEM 452/L Inorganic Chemistry	Major	4
Total Credit Hours:		16



THIRD YEAR

Fall

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
Social Science Civics Elective	SGR #3	3
Fine Arts Elective	SGR \$4	3
CHEM 342/L Physical Chemistry I & Lab	Major	4
CHEM 498 Undergraduate Research	Major	1
EPSY 302 Educational Psychology	Teacher Education Requirement	3
EPSY 296 Field Experience	Teacher Education Requirement	0

Total Credit Hours: 14

Spring

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
Oral Communication Elective	SGR #2	3
Fine Arts Elective	SGR #4	3
CHEM 344/L Physical Chemistry II & Lab	Major	4
CHEM 490 Seminar	Major	1
SEED 396 Field Experience	Teacher Education Requirement	1
SEED 460 Elevating Content Literacy	Teacher Education Requirement	3

Total Credit Hours: 15

FOURTH YEAR

Fall

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
EPSY 428 Child & Adolescent Development	Teacher Education Requirement	3
EDFN 445 Teaching English Learners	Teacher Education Requirement	3
ELRN 485 Classroom Technology	Teacher Education Requirement	3
SEED 420 5-12 Teaching Methods	Teacher Education Requirement	3
SEED 496 Field Experience	Teacher Education Requirement	1
EDFN 440 Classroom Management	Teacher Education Requirement	3

Total Credit Hours: 16

Spring

Prefix + Number + Course Title	Major / General Education Requirements (SGR)	Credits
INED 411 SD Indian Studies	Teacher Education Requirement	3
EDFN 472 School Law & Ethics	Teacher Education Requirement	2
SPED 441 Inclusive Methods for Diverse Learners	Teacher Education Requirement	2
SEED 488 Student Teaching	Teacher Education Requirement	6

Total Credit Hours: 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](#)