



northern *State* university

Bachelor of Science in Education in Chemistry
Plan of Study

First Year Fall	
Course	Credit
IDL 190, Freshman Seminar	2
CHEM 130, Success in Science	1
EDFN 102, Introduction to Education	3
MATH 102/L, College Algebra*	3-4
CHEM 112/L, General Chemistry I	4
SPCM 101, Fundamentals of Speech*	3
	16-17

First Year Spring	
Course	Credit
Arts and Humanities Course (see catalog)	3
ENGL 101, Composition I	3
MATH 120, Trigonometry	3
CHEM 114/L, General Chemistry II	4
SPED 100, Introduction to Persons with Exceptionalities	3
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Second Year Fall	
Course	Credit
MATH 123, Calculus I	4
CHEM 326/L, Organic Chemistry I	4
PHYS 111/L, Physics I	4
EPSY 302, Educational Psychology, and SEED 296, Field Experience	3/0
<i>Students are eligible for Admission to Teacher Education after completing this semester.</i>	
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Second Year Spring	
Course	Credit
CHEM 328/L, Organic Chemistry II**	4
PHYS 113/L, Physics II	4
Behavioral/Social Sciences Course (see catalog)	3
ENGL 201, Composition II	3
	14

Third Year Fall	
Course	Credit
CHEM 332/L, Analytical Chemistry	4
SPED 432, Methods and Materials for students with LD (K-12)	2
EDFN 475, Human Relations	3
Behavioral/Social Sciences Course (see catalog)	3
CHEM 490, Seminar	1
	13

Third Year Spring	
Course	Credit
CHEM 452/L, Inorganic Chemistry	4
SEED 392, Content Methodologies & Strategies	1
EDFN 440, Classroom Management	2
Arts and Humanities Course (see catalog)	3-4
CHEM 498, Undergraduate Research and Scholarship	1
INED 411, South Dakota Indian Studies	3
	14-15

Fourth Year Fall	
Course	Credit
CHEM 342, Physical Chemistry I	3
EPSY 428, Child and Adolescent Development	3
EDER 415, Educational Assessment	2
SEED 496, Field Experience	1
ELRN 385, Educational Technology and Distance Learning	3
SEED 400, Curriculum and Instruction in Middle and Secondary Schools	3
SEED 450, Reading and Content Literacy	3
	18

Fourth Year Spring	
Course	Credit
CHEM 344, Physical Chemistry II	3
SEED 488, 7-12 Student Teaching	8
EDFN 442, Meeting the Diverse Needs of Students and Families	2
SPED 485, Special Education Law	2
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Suggested Minors: Biology, Math

Additional suggestions: Recommended electives include MATH 125, Calculus II and MATH 225, Calculus III

*Fulfills a General Education Requirement. Other course options may be available. **Fulfills a major requirement. Other course options may be available. ***Fulfills a general elective. Other course options may be available. This plan of study is not an official document. Depending on placement scores, developmental courses may be required. Course rotations may change. Please visit with a professional advisor at least once a semester to review appropriate course choices and plan updates.