

BSEd in Secondary Education with Emphasis in Chemistry

Degree Program Description

The Bachelor of Science in Education in Secondary Education prepares students to work with children from ninth through twelfth grade in public, private, and alternative school systems. You may consider a degree in education if you enjoy working with children and/or adolescents, want to strengthen the future through education, and want to make a difference in the lives of others. MU Students work closely with mentors, practicing teachers, administrators, and university faculty to develop the knowledge and skills to enhance learning outcomes for children and youth. The coursework through the College of Education focuses on teachers' roles in facilitating learning at all levels of development and considers the influences of cultural, political, historical, and economic factors on students, teachers, and schools. Upon successfully completing the initial teacher certification process, the state grants you certification in secondary chemistry. Practical and rewarding clinical training in schools and agencies begins sophomore year, and continues each semester culminating in a senior-level teaching internship, enhancing teaching skills and confidence. Coursework within Secondary Chemistry provides you with experience in the methods of teaching chemistry and supporting learners in the development of scientific literacy. This includes consideration of the nature of science, methods for teaching science, strategies for assessing science learning, and pathways for developing into a professional chemistry educator.

Major Program Requirements

Students must complete all university (<http://catalog.missouri.edu/academicdegree/requirements/universityrequirements>), general education (<http://catalog.missouri.edu/academicdegree/requirements/generaleducationrequirements>), and content requirements, in addition to degree requirements. Please meet with an Academic Advisor to discuss degree requirements and to create a semester plan.

As Mizzou Ed continues to implement the new Missouri Standards for the Preparation of Educators mandated by the Department of Elementary and Secondary Education (DESE), curriculum changes will be required that must be met in order to complete your degree and earn teacher certification. Those changes may become effective at any point during your academic program. Therefore, it is extremely important that you DO NOT SELF ADVISE.

Semester Plan

Below is a sample plan of study, semester by semester. A student's actual plan may vary based on course choices and where options are available.

First Year		
Fall	CR Spring	CR
LTC 1155, 1100, 1120, 1160, or 1170	1 LTC 2200	3
MATH 1500	5 ENGLSH 1000	3
ESC_PS 2000	3 MATH 1700	5
Missouri State Law Course	3 CHEM 1330	4

CHEM 1320	4	
	16	15
Second Year		
Fall	CR Spring	CR
ESC_PS 2010 or LTC 2040	3 ESC_PS 2010 or LTC 2040	3
ESC_PS 2014 or LTC 2044	1 ESC_PS 2014 or LTC 2044	1
Writing Intensive & Humanities	3 Social/Behavioral Science	3
Humanities	3 Humanities	3
CHEM 2100	3 CHEM 2110	3
BIO_SC 1500	5 CHEM 2130	2
	18	15
Third Year		
Fall	CR Spring	CR
LTC 4631W	4 LTC 4641	3
LTC 4634	1 LTC 4644	1
SPC_ED 4020	3 LTC 4460	3
LTC 4560	3 LTC 4565	3
CHEM 3200	4 BIOCHM 3630	3
	PHYSCS 1210	4
	15	17
Fourth Year		
Fall	CR Spring	CR
LTC 4654	1 LTC 4971	12
ED_LPA 4060	3	
SPC_ED 4310	3	
IS_LT 4467	3	
CHEM 3310	3	
GEOL 1200	4	
	17	12
Total Credits: 125		