



# STEMTeach KU

## Chemistry

Do you love learning and talking about science and mathematics? Do you want to develop your leadership and public speaking skills and gain volunteer experience? If so, **STEMTeach KU** might be right for you!

**STEMTeach KU** is for people who definitely want to teach, have never thought about teaching before, but are now curious, or have no interest in teaching but want to acquire leadership, public speaking, and volunteer experience. Students will major in Chemistry or a related STEM field within the College of Liberal Arts and Sciences while completing teacher preparation coursework and student teaching experiences.

### Coursework

#### Teacher Preparation

C&T 290: Approaches to Teaching Science & Mathematics I  
C&T 291: Approaches to Teaching Science & Mathematics II  
C&T 360: Knowing & Learning in Mathematics & Science  
C&T 366: Classroom Interactions in Mathematics & Science  
C&T 448: Reading & Writing Across the Curriculum  
HIST 363: Perspectives on Science, Engineering, & Mathematics (or HIST 510: Topics in Non-Western History)  
C&T 460: Project Based Instruction in Mathematics & Science  
CHEM 598: Research Methods  
C&T 490: Student Teaching  
C&T 495: Seminar: Developing the Teaching Portfolio

#### Chemistry Content

MATH 115: Calculus I (or higher)  
MATH 116: Calculus II (or higher)  
CHEM 130: General Chemistry I (or CHEM 170: Chemistry for the Chemical Sciences I)  
CHEM 135: General Chemistry II (or CHEM 175: Chemistry for the Chemical Sciences II)  
CHEM 330: Organic Chemistry I (or CHEM 310: Fundamentals of Organic Chemistry)  
CHEM 400 & 401: Analytical Chemistry + Lab  
CHEM 635: Instrumental Methods of Analysis

### Other Requirements

- 2.75 KU + Transfer Cumulative GPA
- 2.5 Content GPA
- This program is designed to be completed along with an approved BS or BA degree to fulfill the requirements necessary for the STEMTeach KU Certificate in your desired area of licensure. The program is also designed to fulfill the course requirements necessary to gain state licensure eligibility in the above mentioned areas of licensure to become a secondary teacher in Kansas, but completion of the program does not guarantee the student's licensure. Please consult with your major advisor for further information about meeting your degree/major requirements.

#### Questions?

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STEMTeach KU

College STEM Advisor

