



STEMTeach KU

Biology

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 Biology 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
- BIOL 598: Research Methods
- C&T 490: Student Teaching
- C&T 495: Seminar: Developing the Teaching Portfolio

Biology Content

- CHEM 130: General Chemistry I
- CHEM 135: General Chemistry II
- MATH 115: Calculus I (or higher)
- MATH 116: Calculus II (or higher)
- BIOL 150: Principles of Molecular & Cellular Biology
- BIOL 152: Principles of Organismal Biology
- BIOL 154: Molecular, Cellular, and Organismal Biology Lab
- BIOL 350: Principles of Genetics
- BIOL 412: Evolutionary Biology
- BIOL 414: Principles of Ecology
- BIOL 599: Senior Seminar

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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College STEM Advisor

