



# STEMTeach KU

## Earth & Space Science

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 Geology 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

#### Earth & Space Science Content

- GEOL 101: The Way The Earth Works
- MATH 125: Calculus I (or higher)
- CHEM 130: General Chemistry I
- GEOL 311: Mineralogy & Structure of the Earth
- PHSX 114: College Physics I (or PHSX 211 & PHSX 216: General Physics I + Lab)
- GEOL 171: Earthquakes & Natural Disasters
- GEOL 360: Field Investigation
- GEOL 562: Structural Geology
- ASTR 191: Contemporary Astronomy



### Other Requirements

- o 2.75 KU + Transfer Cumulative GPA
- o 2.5 Content GPA
- o 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?

David Woodington  
Advisor  
Jamie Winslow

jdwoodington@ku.edu

j535b771@ku.edu

STEMTeach KU

College STEM Advisor

