

# EARTH AND SPACE SCIENCE (BS) - SECONDARY EDUCATION TRACK

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## Program Overview

Earth and Space Science is an interdisciplinary field which works to advance humanity's understanding of the Earth and the wider universe.

Students are provided with a solid foundation in earth systems and processes (geosphere, hydrosphere, atmosphere, and biosphere) and the impacts humans have on these systems, both past and present. Additionally, students will learn about the origins of the planets and the exploration of the solar system. All four tracks in ESS combine classroom, laboratory, and field experiences, as well as provide opportunities for mentored research projects and hands-on learning experiences.

Science teachers are in high demand across the state of Georgia, and across the US. The Muscogee County School District (Columbus, GA) currently guarantees graduates who complete certification requirements that they will have a job with the school district upon graduation. Our graduates have strong enough content knowledge to teach in most science classrooms, or to continue on towards graduate school or industry jobs. UTeach Columbus is an innovative program that prepares students for an exciting career in mathematics or science. Upon completion of the program, students will earn a degree in earth and space science, and be qualified to teach in a middle school or high school after passing the appropriate state certification examinations. Students completing this program are highly qualified for jobs utilizing their science knowledge, or for either informal education jobs or for work in a K-12 school setting. UTeach Columbus also provides close mentoring by Master Teachers, as well as having a dedicated advisor.

More information about UTeach Columbus can be obtained by calling 706-507-8612 or by visiting our website at <http://uteach.columbusstate.edu/index.php> (<http://uteach.columbusstate.edu/>).

All educator preparation programs are approved by the Georgia Professional Standards Commission. In addition to the degree requirements, there are further requirements for teaching certification. Visit the Certification page (<https://cctl.columbusstate.edu/certification.php>) on the CSU Center for Quality Teaching and Learning (CCTL) website for detailed information about certification requirements and the certification process.

## Career Opportunities

- middle or high school science teacher
- education outreach at science museums, national parks, planetariums
- work with geology or environmental science consulting firms
- and more