

DEPARTMENT OF EARTH AND SPACE SCIENCES

Earth and Space Sciences is a highly interdisciplinary STEM-focused Department that prepares students for careers in high demand science, education, and engineering fields. Our mission is to assist students in achieving their career goals as an engineer or a scientist.

ESS offers a range of undergraduate and graduate degrees:

- Earth and Space Sciences (B.S. - four tracks)
- Astrophysics and Planetary Geology
- Environmental Science
- Geology
- UTeach (Secondary Education)
- Engineering Studies (A.S.)
- Robotics Engineering (B.S., M.S., B.S + M.S.)
- Master of Natural Sciences (M.S. N.S. - two tracks)
- Environmental Sciences
- Geoscience

Our award-winning faculty inspire student learning through a diverse array of courses, immersive learning experiences, and transformative research opportunities. Our students are advancing knowledge through research/design projects under the guidance of our faculty, building job skills in career-focused internships, and transforming the lives of K12 students as student teachers. Explore how our science and engineering degrees can help you advance your career potential and achieve your learning goals.

The Department of Earth and Space Sciences offers the following degrees:

- Associate of Science in Engineering Studies (AS) (<https://catalog.columbusstate.edu/academic-units/letters-sciences/earth-space-sciences/engineering-studies-as/>)
- Core Curriculum (ASCC) (<https://catalog.columbusstate.edu/academic-units/letters-sciences/earth-space-sciences/associate-science/>)
- Earth and Space Science (BS) - Astrophysics and Planetary Geology Track (<https://catalog.columbusstate.edu/academic-units/letters-sciences/earth-space-sciences/earth-space-science-astrophysics-planetary-geology-track/>)
- Earth and Space Science (BS) - Environmental Science Track (<https://catalog.columbusstate.edu/academic-units/letters-sciences/earth-space-sciences/earth-space-science-environmental-science-track/>)
- Earth and Space Science (BS) - Geology Track (<https://catalog.columbusstate.edu/academic-units/letters-sciences/earth-space-sciences/earth-space-science-geology-track/>)

- Earth and Space Science (BS) - Secondary Education Track (<https://catalog.columbusstate.edu/academic-units/letters-sciences/earth-space-sciences/earth-space-science-secondary-education-track/>)
- Earth and Space Science (BS) / Natural Sciences (MS) - Environmental Science Track (Combined Option) (<https://catalog.columbusstate.edu/academic-units/letters-sciences/earth-space-sciences/earth-space-science-bs-natural-sciences-ms-environmental-track/>)
- Natural Sciences (MS) - Environmental Science Track (Non-Thesis Option) (<https://catalog.columbusstate.edu/academic-units/letters-sciences/earth-space-sciences/natural-sciences-environmental-science-non-thesis-option-ms/>)
- Natural Sciences (MS) - Environmental Science Track (Thesis Option) (<https://catalog.columbusstate.edu/academic-units/letters-sciences/earth-space-sciences/natural-sciences-environmental-science-thesis-option-ms/>)
- Natural Sciences (MS) - Geosciences Track (<https://catalog.columbusstate.edu/academic-units/letters-sciences/earth-space-sciences/natural-science-geosciences-ms/>)
- Robotics Engineering (BS) (<https://catalog.columbusstate.edu/academic-units/letters-sciences/earth-space-sciences/robotics-engineering-bs/>)
- Robotics Engineering (BS) / Robotics Engineering (MS) (Combined Option) (<https://catalog.columbusstate.edu/academic-units/letters-sciences/earth-space-sciences/robotics-engineering-bs-robotics-engineering-ms/>)
- Robotics Engineering (MS) (<https://catalog.columbusstate.edu/academic-units/letters-sciences/earth-space-sciences/robotics-engineering-ms/>)