Earth sciences concern the Earth’s entire physical makeup and the history of the physical and biological events that occurred within and upon it over the past four and a half billion years. Earth scientists are curious about the whole Earth, from its ancient past to its present and future, and they use the tools of chemistry, physics, biology, mathematics, and other sciences to study the Earth, its oceans, and its atmosphere.

**Career Areas/Job Titles:**

**Science and Technology**
- Oceanographer
- Economic Geologist
- Hydrogeologist
- Environmental Geologist
- Seismologist
- Engineering Geologist
- Cartographer
- Education
- Researcher
- Laboratory Technician
- K-12 Math/Science Teacher
- Professor

**Management and Industry**
- Petroleum Engineer
- Drilling Technician
- Alternative Fuels Engineer
- Science Writer
- Government/Politics
- Climate Change Specialist
- Policy Advisor
- Museum Curator/Educator

*Some careers may require licensure, certification, or further education. Talk to an advisor about specific requirements.*

**Transferable Skills:**

- Chemistry Focus
- Technology Skills
- Conceptualization
- Experimental Design
- Forecasting/Predicting
- Data Analysis
- Teamwork
- Analytical/Critical Thinking
- Written Communication
- Research skills
- Developing Evaluation
- Strategies
- Judgment & Decision Making
- Attention to Detail

*This is not an extensive list of transferable skills. See larger list of skills you might develop here: [http://ccss.osu.edu](http://ccss.osu.edu)*

**Professional Links:**

- Association for Women Geoscientists: [http://www.awg.org/index.html](http://www.awg.org/index.html)
- Environmental Protection Agency: [http://www.epa.gov/](http://www.epa.gov/)