Earth Science
University of Colorado Boulder



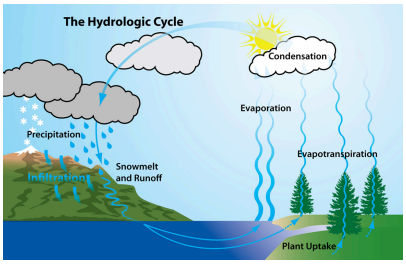
## November News & Fall Break Approaching

November is here, and Fall Break is just around the corner! There's plenty happening in Earth Science this week, including department updates, upcoming events, research opportunities, funding announcements, and important deadlines. Take a look at what's new, mark your calendars, and get ready for a well-deserved break!

## Spring 2027 Registration!

Registration for Spring 2027 is about to be underway, make sure you're ready to enroll in your next round of classes! Check your Buff Portal for your assigned enrollment date and any registration holds. We strongly encourage you to reach out to your academic advisor to review your degree progress and course plans ahead of time. Appointments fill up quickly, so schedule a meeting soon to stay on track for a smooth registration process.

# Spring Upper Division Courses




### ERTH 4850/5980 Surface Water Hydrology:

Interested in learning more about surface water systems and hydrologic processes? Consider enrolling in ERTH 4850/5980: Surface Water Hydrology! This course explores the movement, distribution, and behavior of water across Earth's surface and provides an opportunity to develop a deeper understanding of hydrologic systems.

# Special Topic Classes

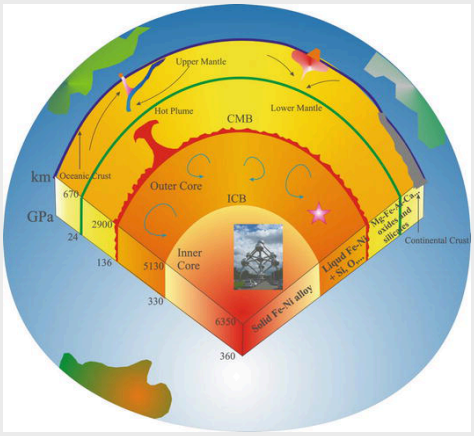
**Don't Miss These Courses!** Both of these Special Topics courses are being offered in Spring 2027 only and are unlikely to be offered again. If either course interests you, take advantage of the opportunity and enroll this spring

while you can!



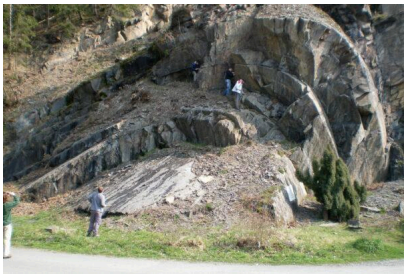
## ERTH 4700/5700: Compositional Remote Sensing and Spectroscopy (Spring 2027)

Interested in exploring how satellite imagery and spectroscopy can help us understand Earth's surface? Consider enrolling in ERTH 4700/5700: Compositional Remote Sensing and Spectroscopy for Spring 2027! This 2-credit Special Topics course explores how satellite data, aerial platforms, and field spectrometers are used to identify rocks and minerals, monitor vegetation, and study changes across Earth and planetary surfaces. Students will gain hands-on experience working with real scientific data and develop skills applicable to geology, astronomy, and environmental monitoring.




## ERTH 4700/5700: Mineral Physics (Spring 2027)

Interested in understanding how minerals help us answer big questions about Earth and planetary interiors? Consider enrolling in ERTH 4700/5700: Mineral Physics for Spring 2027! This 3-credit Special Topics course explores how experimental data can be used to interpret planetary structure, composition, and processes. Designed for students interested in geology, geophysics, and planetary science, the course offers an opportunity to learn more about planetary materials science.



## ERTH 4719 (2cr) Field Analysis and Tectonics of Crystalline Rocks:

Interested in learning how Colorado’s basement rocks record faults, folds, and mountain building? Consider enrolling in ERTH 4719: Field Analysis and Tectonics of Crystalline Rocks in Spring 2027! This upper division field course introduces field and tectonic analysis of deformation in metamorphic, igneous, and sedimentary rocks in the Rocky Mountains. Through mapping, outcrop-scale analysis, field metamorphic petrology, and some introduction to digital field data collection, you will develop skills for

observing and analyzing structures and map patterns and build your confidence in interpreting tectonic and mountain building processes. Prerequisites are Intro to Field (ERTH 2700) and Structural Geology (ERTH 3120).

# Department Social Events

## Coffee Social

This next Coffee Social will be held on the **2nd floor landing** area instead of 380. It will still begin at 10:30 and go until 11:30. Feel free to swing by grab some coffee, tea, donuts, and bagels!



## 3rd Annual Earth Science Symposium



Join us for the 3rd Annual Earth Science Symposium on **Saturday, November 7, from 9:00 a.m. to 1:30 p.m.** in the Benson Earth Sciences Building. The event will feature poster and networking sessions for students and early career researchers, along with a networking panel, coffee, and lunch. Students are encouraged to share research from previous presentations or use the symposium to prepare for upcoming GSA presentations. (Photo: Bob Anderson)

**Register here!**

Interested in volunteering with setup, cleanup, or event logistics? Contact Suzanne Anderson at **Suzanne.anderson@colorado.edu** or Kathryn Materna at **Kathryn.Materna@colorado.edu**.

# Colloquium & Happenings

## Earth Sciences Colloquium:
**Dr. Anne Fetrow**



**Topic:** Tracking Mono Lake Evaporation across the Common Era using Triple Oxygen Isotope Geochemistry

Join us on **11/11/26** in room **380** for our weekly colloquium featuring Dr. Anne Fetrow from Colorado College!

Dr. Fetrow will present research on the history of evaporation at Mono Lake throughout the Common Era, using triple oxygen isotope geochemistry to investigate changes in lake conditions over time.

As always, snacks and drinks will be available starting at 12:00 PM, and the talk will be held from **12:20–1:20 PM**.




## Geology Club

The Geology Club's November calendar is here. Office Hours run Mondays and Thursdays from 4 to 5:30 PM in Besc 265 (except Thanksgiving week). They work like a study hall: a place to get work done with other people, catch up with someone you don't see often, or meet new club members.

# University Events

## Explore Summer 2027 Global Seminars



Interested in studying abroad? CU Boulder Education Abroad is hosting information sessions about Summer 2027 Global Seminars, which allow students to travel with a small group of 10–25 CU Boulder students and a CU faculty member to study a specific topic. Programs offer hands-on learning through local sites and include Maymester and Augmester options. Visit the **Global Seminar Info Sessions page** to explore program offerings and learn more.

# Student Opportunities

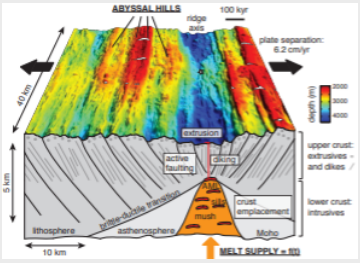
## SEG Professional Development and Research Opportunities

The Society of Exploration Geophysicists (SEG) offers several programs to help student geoscientists develop professional skills, gain hands-on experience, and connect with industry professionals.

- **SEG EVOLVE Program:** A six-month, mentor-guided program where students work with real energy datasets in Energy Exploration or Carbon Solutions. **Applications due November 8th, 2026**.
- **SEG Field Camps:** Gain hands-on geophysics and fieldwork experience while applying classroom knowledge to real-world projects. **Applications due February 1st, 2027**.
- **SEG Near Surface Research Award Grant:** Funding for near-surface geophysics research expenses, including fieldwork, laboratory studies, equipment, travel, and data processing. **Applications open January 1st, 2027**.

Explore program details and application information through the **Society of Exploration Geophysicists**.

## Spring 2027 Virtual Marine Geology and Geophysics Course




Applications are open for the **10-week Virtual Marine Geology and Geophysics Course** offered in Spring 2027. This **FREE** online course is designed for advanced undergraduate and graduate students and is equivalent to a 1-credit lecture/discussion course. Topics include mid-ocean ridge processes, seafloor spreading, hydrothermal vents, lithosphere structure, marine geophysics, and techniques used in ocean exploration. Classes meet Tuesdays from 2–3 PM ET on Zoom, February 9–April 13, 2027.

**Application Deadline**: December 31, 2026. Apply **here**.

## AEG Mile High Chapter November Dinner: Post-Wildfire Flash Floods and Debris Flows

The Association of Environmental and Engineering Geologists (AEG) Mile High Chapter invites students and professionals to its November **dinner meeting on Wednesday, November 11, 2026**, featuring a presentation by Matthew Thomas and Jaime Kostelnik of the USGS titled “Mounting Damage and Losses in the United States from Post-Wildfire Flash Floods and Debris Flows.” The event will include a social hour and dinner beginning at 5:30 PM, followed by the presentation at 7:00 PM. Attend in person at New Terrain Brewing in Golden, CO, or virtually. Dinner and non-alcoholic beverages are provided. Student attendance should be free when registering through the student link.

**Date**: November 11, 2026
**Location**: New Terrain Brewing, 16401 Table Mountain Parkway, Golden, CO, or virtual
Learn more and register through the **AEG Mile High Chapter website**.

## Pathways To Science Resources

Looking for more opportunities?

**Pathways to Science** provides summer opportunities, internships, scholarships, short-term opportunities, and more! Click the link below for more information.

**Learn More**

## Kahn Family Community Teaming Fund: Proposals -- Due December 11th

The College of Arts and Sciences invites faculty, staff, and undergraduate and graduate students to apply for the Kahn Family Community Teaming Fund, which provides up to $1,500 for community outreach activities involving College of Arts and Sciences faculty, staff, and students.

**View More Information**

Eligible activities may include community service initiatives, K–12 school programs, public-facing university events, conferences, and workshops. Funded activities must use the funds by June 30, 2028.

**Proposal deadline:** ***Friday, December 11th, 2026, at 5 p.m. MT.*** Applications must include a description of the proposed activity (up to 1,000 words) and a brief budget (up to one page). Submit proposals and questions to Dana Takeuchi at **Dana.Takeuchi@colorado.edu**.

## Fully Funded Ph.D. Research Assistantship – University of Rhode Island (Fall 2027)

The PLaCES (People, Land, Community, and Earth Systems Science) Lab at the University of Rhode Island is seeking a graduate student for **a fully funded Ph.D. position starting Fall 2027**. Research focuses on human-environment interactions, community-engaged research, Indigenous ways of knowing, arts-science connections, and open education. The position includes a competitive stipend, full tuition waiver, health and dental insurance, and three years of guaranteed support, with additional funding opportunities available.

**Qualifications**: Applicants should have a B.S. in Earth sciences, education, psychology, or a related field. A master's degree and experience with community-based research are preferred.
**Application deadline**: December 15, 2026
**How to Apply:** Email your CV to Dr. Carolina Michel at carolina.michel@uri.edu. Fee waivers are available upon request.
For application requirements, visit the **URI Graduate Applicant Checklist**.

## Fully Funded Graduate Opportunities in Geophysics – Colorado School of Mines (Fall 2027)

The Reservoir Characterization Project (RCP) at Colorado School of Mines is recruiting students for **fully funded M.S. and Ph.D**. opportunities in Geophysics starting Fall 2027. The industry-sponsored program focuses on oil and gas applications, giving students the opportunity to work with real field data from industry sponsors and address practical geophysical challenges.
Funding: Both programs include fully funded tuition and a stipend. The M.S. program provides four

funded semesters, with students expected to pursue summer internships. The Ph.D. program provides eight funded semesters.

**Career Opportunities**: Graduates commonly pursue careers in industry, while others continue into Ph.D. studies, postdoctoral research, or faculty positions.
**Application deadline**: December 15, 2026
**How to Apply**: Apply to the Geophysics graduate program at **Colorado School of Mines**.
Learn more about the research at **rcp.mines.edu**.
Questions? Contact Dr. Ge Jin at gjin@mines.edu.

## DOE Computational Science Graduate Fellowship (CSGF)

Applications are open for the **Department of Energy Computational Science Graduate Fellowship's 2027–2028 incoming class**, the program's 37th cohort. Undergraduate seniors and first-year graduate students are eligible to apply.

**Deadline: Thursday, January 7, 2027**

**Learn more**

## DoD SMART Scholarship

The SMART Scholarship provides funding opportunities for undergraduate and graduate students pursuing STEM degrees. Applicants must be citizens of the U.S., Australia, Canada, New Zealand, or the United Kingdom.

**Deadline: 5 p.m. ET on the first Friday in December**

**Learn more**

## Virtual Webinar: Offshore Wind & Carbon Capture in the Energy Transition




Students are invited to attend a virtual webinar exploring how geoscientists contribute to the energy transition through offshore wind development and carbon capture, utilization, and storage (CCUS). The event will highlight the use of subsurface modeling, monitoring technologies, and marine infrastructure to support carbon storage and clean energy deployment. Hear industry insights from professionals at Fugro, Repsol, Worley, and other organizations. This webinar is relevant to students studying geology, geophysics, environmental science, and engineering.

**Date**: Thursday, December 3, 2026
**Time**: 8:00–11:45 AM CST (virtual)
Student Registration Fee: $20
Register through the **Society for Underwater Technology (SUT) website**.

## Applications Open: 2027 NSF SOARS Summer Research Program

The National Science Foundation's Significant Opportunities in Atmospheric Research and Science (NSF SOARS) program is accepting applications for its **2027 paid, 11-week summer research internship in Boulder, Colorado.** Undergraduate students interested in atmospheric and Earth system sciences can gain hands-on research experience, work with research and writing mentors, and participate in professional development workshops. **Participants receive $23.41 per hour, furnished housing, round-trip travel support, and potential undergraduate tuition assistance.** Applicants must be U.S. citizens or permanent residents, have at least one year of undergraduate study completed, and have at least one semester remaining after the summer program.

**Application deadline**: January 19, 2027, at 11:59 p.m. MT. Learn more and apply through the **NSF SOARS application page**.

## Bureau of Reclamation Paid Summer Internship

The **Bureau of Reclamation Technical Service Center** in Lakewood, Colorado, offers an **11-week paid summer internship program** for undergraduate and graduate students, with competitive pay based on education level. Past projects have included river restoration, geomorphic mapping, paleoseismology, reservoir sedimentation modeling, hydraulic modeling, applied hydrology, and GIS and remote sensing.

**Reclamation representatives will attend the CU Earth Science Symposium on November 7, providing an opportunity to learn more about the program**. For details, visit the **internship website** or contact Melissa Foster at **mfoster@usbr.gov**.

## Funding Opportunity: 2027 Rich Herbert Memorial Scholarship

The Colorado Section of the American Water Resources Association (AWRA) is accepting applications for the **2027 Rich Herbert Memorial Scholarship**, which supports undergraduate and graduate students conducting research related to Colorado's water resources. Eligible students enrolled in an accredited Colorado college or university may apply if their research involves areas such as hydrology, hydrogeology, geomorphology, aquatic biology, environmental science, water policy, or engineering. **Previous scholarship awards have ranged from $500 to $6,000.**

**Application deadline**: January 9, 2027. Applications must include a one-page research abstract explaining its relevance to Colorado water resources, a one-page resume, and a letter of recommendation from the faculty advisor overseeing the research. Recipients will present their research at the AWRA Colorado annual symposium on April 23, 2027, in Golden. Visit the **AWRA Colorado scholarship page** for application details.

## Scholarship Opportunity: AIPG National Undergraduate Scholarship

The American Institute of Professional Geologists (AIPG) is accepting applications for its **National Undergraduate Scholarship, which awards $1,000–$3,000 to undergraduate students majoring in geology or Earth science.** Applicants must be at least sophomores at an accredited U.S. college or university, have a minimum 2.8 GPA overall and a 3.0 GPA in at least 12 completed semester credits of geology or geoscience courses, and be current AIPG student members or apply for membership when submitting their application. Student membership is free.

**Application deadline:** February 1, 2027. Application materials include a cover letter, an essay titled “Why I Want to Be a Geologist,” an unofficial transcript, proof of enrollment, a portrait, and a letter of recommendation from a geology or geoscience professor. Visit the **AIPG Undergraduate Scholarship page** for eligibility requirements and application instructions.

## Call for Abstracts: 2027 GSA Rocky Mountain Section Meeting



**The Geological Society of America (GSA)** invites undergraduate and graduate students to submit abstracts for the **77th Annual GSA Rocky Mountain Section Meeting,** taking place May 8–10, 2027, in Rapid City, South Dakota. Present your research, connect with geoscience professionals, and participate in scientific sessions with the regional geoscience community. Both oral and poster presentations are welcome.

**Abstract deadline**: February 4, 2027. Abstract submission fees apply. Visit the **meeting website** for submission guidelines and available sessions.

### Paid Summer 2027 Geoscience Research Internship at Cornell University

Applications are open for CorGGLE, **a nine-week paid summer internship at Cornell University in Ithaca, NY,** designed for undergraduate students interested in geoscience graduate study and careers. Participants will complete a faculty-led research project, present their findings, explore geoscience career paths, develop professional skills, and network with researchers. For Summer 2027, students can choose between two projects: developing a mechanical model of Campi Flegrei volcano in Italy or using satellite data to identify warning signs of volcanic eruptions. Applicants must be U.S. citizens or permanent residents.

**Application Deadline**: February 15, 2027
**Apply Here!**

### CRESCENT Cores to Code 2027: Undergraduate Summer Research Program

Applications are open for the **2027 CRESCENT Cores to Code Summer Program**, a three-week research experience for undergraduates interested in earthquake science, coastal geology, and computational modeling. **Based at Cal Poly Humboldt in Arcata, California, June 6–26, 2027,** students will investigate the earthquake history of the Cascadia subduction zone through coastal fieldwork, sediment core analysis, microfossil identification, and introductory Python programming. Participants will receive an approximately $2,000 stipend, along with funded travel, shared housing, and meals. Applicants must be rising juniors or seniors, at least 18 years old, and meet program enrollment and citizenship requirements. No previous field, laboratory, or programming experience is required.

**Application Deadline**: February 15, 2027
**Apply Here!**

## Outside the Classroom

## Something Missing From the Newsletter?




Have an announcement, event, opportunity, publication, or other news you'd like to share with the graduate community? Submit it for consideration in an upcoming newsletter! Please use the Newsletter Submission Google Form to send us your information.

Be sure to submit your announcement by **5 p.m**. **Tuesday** to be considered for that week's newsletter.

**Add to Newsletter!**

Be sure to follow our Instagram page @**cubouldearthsci** for updates including upcoming events, department news, and photos from our students!

**View our Page**

## Just so you know...

The undergrad newsletter will be sent out each Friday afternoon, so check back weekly for news, job and funding opportunities, and messages from the department. If you have something you would like to share in a future edition of the newsletter, please email **earthscience@colorado.edu**



Constant Contact

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