

AAPG Career Center (<https://careercenter.aapg.org/jobs/12064059/entry-level-environmental-scientist-geologist-engineer>)

Entry-Level Environmental Scientist / Geologist / Engineer

Posted: March 5, 2019

Location: Rocky Hill, Connecticut

Salary:

Type: Full Time - Experienced

Wood Environment & Infrastructure Solutions is seeking an Entry - Level Environmental Engineer, Geologist or Environmental Scientist to join our team in Rocky Hill, CT.

Are you an Environmental Engineer, Geologist or Environmental Scientist with 0 to 4 years environmental / consulting experience that enjoys project management challenges as well as client, agency and public interaction? Are you looking for an opportunity to work with an established environmental consulting firm that values its employee's enthusiasm and technical contributions? We encourage you to apply for this opportunity. This position requires an individual with effective communication skills as significant client, agency, public and team interactions are expected. We are dedicated to providing the atmosphere to allow individuals to grow their careers.

Key Responsibilities

- Will work under the supervision of a Project Scientist or Engineer
- Perform moderately complex reporting and technical tasks within a broad work scope, and / or plans, schedules, conducts and coordinates project work for medium to large work scopes
- Standard project assignments include conducting complex engineering, scientific assessment and analysis, and / or managing tasks or projects
- Demonstrates competency in a combination of areas including field supervision, technical knowledge and task management
- The position may entail approximately 80% office work and 20% field work on a variety of projects including industrial / commercial, State and Federal sites of environmental contamination
- Maintains effective client relations

Skills and Qualifications

- B.S. in Environmental Science, Engineering, Geology, or related technical field (M.S. Preferred)
- Ideal candidate will possess 0 to 4 years of related experience
- Previous OSHA training (40 - hour HAZWOPER) and hazardous waste handling experience is preferred, but not required. Candidate must be able to perform field work with exposure to a variety of climatic conditions and potential exposure to hazardous materials and wastes
- Environmental project experience in multimedia site investigations and remediation
- Knowledge of environmental regulations including CERCLA, RCRA, TSCA, OSHA and State regulations
- Experience with Geographic Information Systems and relational databases
- Field team leadership ability
- Demonstrated maturity in judgment, initiative, and client relations
- Strong oral and written communication skills; ability to prepare reports and proposals
- Ability to travel 5% - 15% overnight outside of Connecticut
- Must be able to pass a physical exam to obtain medical clearance for work on hazardous waste sites
- Must pass drug test, background check and must have a satisfactory driving record in accordance

with the Company's driving (MVR) policy

We are an equal opportunity employer that recognizes the value of a diverse workforce. All suitably qualified applicants will receive consideration for employment on the basis of objective criteria and without regard to the following (which is a non - exhaustive list): race, color, age, religion, gender, national origin, disability, sexual orientation, gender identity, protected veteran status, or other characteristics in accordance with the relevant governing laws.

Internal Number: 2019-36504

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About Wood

Wood is a global leader in the delivery of project, engineering and technical services to energy and industrial markets. We operate in more than 60 countries, employing around 55,000 people, with revenues of over \$11 billion. We provide performance-driven solutions throughout the asset life-cycle, from concept to decommissioning across a broad range of industrial markets including the upstream, midstream and downstream oil & gas, chemicals, environment and infrastructure, power & process, clean energy, mining and general industrial sectors. We strive to be the best technical services company to work with, work for and invest in. www.woodplc.com

Assistant Professor of Geology

Carleton College



Application



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Details

Posted:

September 11, 2020

Location:

Northfield, Minnesota

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Employment Type:

Tenure-track

Organization Type:

Higher Education Institution

Required Education:

Doctorate/Professional

The Geology Department at Carleton College invites applications for a tenure-track position in surface processes at the level of Assistant Professor to begin fall 2021. The successful candidate will demonstrate an ability to incorporate authentic research experiences into all levels of the undergraduate curriculum, and pursue an active research program that may involve students from a variety of academic disciplines. We are especially interested in applicants who can foster already strong ties between Geology and Environmental Studies at Carleton.

We welcome applications from geoscientists with expertise in terrestrial surface processes broadly, including but not limited to: geomorphology, groundwater and surface hydrology, Quaternary geology, landscape evolution, the intersection of geomorphology and variously climate and/or tectonics. We encourage applications from scientists who would make the most of our rural Minnesota locale to incorporate field experiences into their courses and to foster student-faculty research.

The successful candidate will complement existing strengths in the Carleton College Geology Department. Teaching expectations include 100-level courses (Introduction to Geology and Introduction to Environmental Geology), and 200-level and 300-level courses in surface studies that are of interest to a broad cross section of students. The new faculty will also advise senior theses, participate in semiannual Geology Department field trips, and co-teach our biennial off-campus

geology field studies program in New Zealand.

Carleton College is a highly selective liberal arts college with a student body of 2,000, located forty-five miles south of the Twin Cities of Minneapolis & St. Paul. Our academic year consists of three ten-week terms. The Geology Department includes a dedicated Technical Director who facilitates laboratory and field trip planning and logistics. We are particularly interested in applicants who will contribute to a vibrant college-wide culture of undergraduate research, and who have a commitment to attracting and retaining students from underrepresented groups. Carleton College does not discriminate on the basis of race, color, creed, ethnicity, religion, sex, national origin, marital status, veteran status, actual or perceived sexual orientation, gender identity or expression, status with regard to public assistance, disability, or age in providing employment or access to its educational facilities and activities. We are particularly interested in candidates committed to teaching a diverse student body. Carleton is committed to developing its faculty to better reflect the diversity of our student body and American society. Women and members of minority groups are strongly encouraged to apply.

Applicants should submit: 1) a cover letter, 2) a curriculum vitae, 3) a statement of teaching goals and interests 4) a statement of research goals, 5) one sample of scholarly writing, and 6) the names and contact information of three references (letters will be requested for short-listed candidates). For full consideration, all application materials should be posted to <https://jobs.carleton.edu> by November 23, 2020.

NOTES:

Employer will assist with relocation costs.

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About [Carleton College](#)

Carleton is a private liberal arts predominantly residential campus with nearly 2000 students and 800 faculty & staff. Founded in 1866, Carleton College is an independent and highly selective liberal arts college with a diverse and exceptionally able student body, a talented faculty whose first priority is teaching, and a continued commitment to the liberal arts. A four-year college, Carleton offers the Bachelor of Arts degree. Its students can choose from 37 majors and 15 concentrations in the arts, humanities, natural sciences, and social sciences. Carleton College occupies more than 1,000 scenic acres of campus, arboretum, over 100 campus buildings, and athletic fields. Located in Northfield, Minnesota, 40 miles south of Minneapolis and St. Paul, Carleton offers access to the cultural advantages of a major metropolitan area.

Lab Coordinator, Biology, Geology, and Environmental Science

Chattanooga



Application



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Details

Posted:

October 1, 2020

Location:

Chattanooga, Tennessee

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Salary:

Open

Type:

Full-time

Description: This 12-month staff position will coordinate and teach introductory laboratory courses in geology, manage the department website, and collaborate with faculty in recruiting and diversifying geology majors. The start date will be January 1, 2021.

Responsibilities include: preparing and teaching Physical Geology laboratory courses online and face-to-face; developing curriculum for the lab, in consultation with faculty and using the latest available technologies; teaching a maximum of 8 sections of lab per Spring and Fall semester; serving on appropriate departmental committees and participating in departmental faculty meetings; fostering partnerships with local K-12 schools and community colleges to recruit geology majors; providing outreach to community and engage future students from diverse backgrounds and maintain BGE departmental website.

The ideal candidate will possess the following:

- Ability to coordinate and teach multiple sections of Physical Geology laboratories.
- Ability to do mathematical, graphical, and data manipulation and management with computer software
- Ability to use and work in a Learning Management System such as Canvas

- Experience with up-to-date technology to compose and edit websites
- Strong oral and written communication skills
- Ability to work well with others, multitask, and serve the academic mission of the department, rendering service in a collegial manner

Review of applications will begin on **October 19th** and continue until the position is filled. Applications received by this date will receive priority consideration.

Minimum Qualifications: Master's Degree in Geology; experience teaching Physical Geology labs face-to-face and online; experience with building and maintaining web pages.

Applications must include:

- Updated CV
- Cover Letter addressing interest in position, teaching experience using latest technologies, experience developing webpages, and experience with outreach and potential to increase diversity in the program.
- Official or unofficial transcripts.
- Three letters of reference addressing teaching quality emailed from the letter writer to Amy-Brock-Hon@utc.edu by the date of application review.

The University of Tennessee at Chattanooga is the second largest school in the University of Tennessee System, serving a diverse student body of more than 11,000 undergraduate and graduate students through five academic colleges. UTC offers a unique blend of private and public school traditions and is a driving force for achieving excellence, embracing diversity, inspiring positive change, and enriching the community. Since its founding as Chattanooga University in 1886, UTC has developed a reputation for excellence built on an unusual blend of the private and public traditions of American higher education. For more than 83 years, the university was a private school. In 1969, UTC became part of the state university system. Today, UTC is on a journey to excellence - boldly embracing a passion for excellence in all things and focused on changing lives and transforming communities. The UTC commitment--each and every day--is to earn the trust and confidence of those we serve. Our goal is to make a difference in our community and in the lives of our students.

Chattanooga, the fourth largest city in the state, is located in Southeast Tennessee near the border of Georgia at the junction of four interstate highways. The city has received national recognition for the renaissance of its beautiful downtown and redevelopment of its riverfront. Chattanooga also has the fastest internet in the country. Home to the first Gig Internet in the United States, Chattanooga has a 100% fiber network that links every home and business in a 600-square mile area. Companies like Unum, McKee, U.S. Xpress, Volkswagen, Coke and

Amazon.com have chosen to set up shop in Chattanooga. Attractions such as the Tennessee Aquarium, Lookout Mountain, Civil War battlefield sites, the African American Museum, and the Appalachian Trail bring thousands of people to the area, as do events like the Riverbend Festival, Nightfall, Jazzanooga, the Creative Discovery Museum for Children, and the Southern Writers Conference. Chattanooga is the home to the seven-time NCAA Southern Conference Football Champions, The University of Tennessee at Chattanooga Mocs. People who love the outdoors use Chattanooga as a base for hang-gliding, bass fishing, mountain climbing and caving expeditions; the beautiful Smoky Mountains and Tennessee River support the greatest variety of flora of any area in the United States. Chattanooga also has a long and rich past with regard to diversity, which includes Native American heritage, Civil War history, and the Civil Rights movement. Chattanooga is also just a two hour (or less) drive from Atlanta, Nashville, Knoxville, and Birmingham.

The University of Tennessee Chattanooga is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution. All qualified applicants will receive equal consideration for employment and will not be discriminated against on the basis of race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, or protected veteran status.

Internal Number: 205109

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About Chattanooga

The University of Tennessee at Chattanooga is an engaged, metropolitan university committed to excellence in teaching, research, and service, and dedicated to meeting the diverse needs of the region through strategic partnerships and community involvement.

Staff Seismologist

Woods Hole Oceanographic Institution



Application



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Details

Posted:

August 7, 2020

Location:

Woods Hole, Massachusetts

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Salary:

Open

Type:

Regular

The Ocean Bottom Seismometer Instrument Center (OBSIC) at Woods Hole Oceanographic Institution is currently searching for an *OBSIC Staff Seismologist* to join the Geology & Geophysics Department. This is a regular, full-time, exempt position, and is eligible for benefits. OBSIC provides Ocean Bottom Seismographs (OBS), and the technical support to operate them, to the academic research community. You will join a group (<https://obsic.whoi.edu>) committed to advancing the performance and reliability of seafloor seismographs in order to support discovery of the earth's internal structure and its dynamic processes such as earthquake faulting and volcanism. Advances in technology (autonomous timing, optical and acoustic telemetry, sensor shielding and burial, datalogger and seismometer performance) and algorithm development (removal of oceanographic-related noise brought about by infragravity waves and seafloor currents), as well as new opportunities to improve our understanding of OBS/oceanography interactions (by adding oceanographic sensors and via dedicated experiments) provide the opportunity for an ambitious investigator to drive improvements in the quality of seismic data acquired on the seafloor.

The *Staff Seismologist* will be a critical part of the OBSIC leadership team, and will participate in meetings of the OBSIC Operations Sub-Committee and in activities such as OBS symposia, and IRIS-organized Seismic Instrumentation Technology Symposia (SITS) and Technical Interchange

Meetings (TIM). They will represent OBSIC at national and international scientific meetings, and will participate in OBSIC outreach activities both locally and at national meetings such as the Fall AGU Meeting. They will be encouraged to establish an independent research program that is broadly supportive of OBSICs goals.

The internal working title for this position could be either *Research Associate III* or *Research Specialist*. The final level of the position will be determined commensurate with the selected candidate's level of education & experience.

Essential Functions

- Archive OBS data and related metadata at the IRIS DMC.
- Analyze MUSTANG quality control metrics generated at the IRIS DMC.
- Develop and apply QA/QC metrics for seafloor seismic data.
- Assess data quality using ambient-noise PSD PDFs and synthetic seismograms.
- Orient the horizontal components of seafloor-deployed seismometers.
- Calculate compliance corrections for broadband OBS.
- Calculate seismometer tilt corrections for broadband OBS.
- Analyze calibration data and update metadata for seismometers and pressure sensors.
- Prepare data QA/QC reports for the OBSIC Operations Sub-Committee

The *Staff Seismologist* will be responsible for archiving all data acquired through OBSIC at the IRIS Data Management Center (DMC). They will carry out quality-assessment of both field-data and test-data generated in-house. Data-quality assessment tasks include both in-house analyses specific to OBS data and review of MUSTANG data quality control metrics generated at the IRIS DMC. These and other QA/QC products will inform OBSIC operational decisions and provide the OBSIC Operations Sub-Committee with an independent assessment of performance. The *Staff Seismologist* will be the point person for all data-related queries from the user community. They will be responsible for analysis of sensor calibration measurements, and will maintain up-to-date calibration information for all OBSIC instrumentation. On completion of OBS experiments, the staff seismologist will use established software to orient the horizontal components of seafloor seismometers and calculate seafloor compliance and seismometer tilt corrections. These additional metadata will be archived at the DMC. The *Staff Seismologist* will use our improved understanding of OBS performance to provide advice on OBS experiment design and on the design of new OBS. They will assist in mobilizing/demobilizing sea-going seismic experiments, and will sail on occasional OBSIC cruises.

Education & Experience

Required Qualifications:

- PhD in seismology, geophysics or related field or equivalent combination of education and related experience preferred.
- Masters degree in related field, or Bachelors degree in related field plus 3 years related experience, or Bachelors degree in non-related field plus 5 years related experience, or Associates degree in related field plus 6 years related experience.
- Extensive experience collecting, processing, and analyzing local/regional/global seismic data.
- Comprehensive knowledge of passive-source seismology.
- Comprehensive knowledge of modern seismic data analysis techniques and tools.
- Comprehensive knowledge of seismic data (SEED, PHP, SEG-Y) and metadata formats (dataless SEED, StationXML).

- Excellent programming skills (C/C++, Python, Matlab, JavaScript, shell scripts).
- Experience with heterogeneous computing environments (Mac/PC/LINUX platforms).
- Excellent communication skills necessary to effectively collaborate in a team environment and present and explain technical information.
- Experience writing and presenting reports, publications, and proposals.

Desired Qualifications:

Research Specialist:

- Appropriate academic background or its equivalent relevant work experience, enhanced by more than 15 years of increasingly successful and creative achievement. Candidates for this rank are recognized as leaders and authorities in their field through their original contributions. They must have had far-reaching impact on the scientific activities of the Institution and their field. They should have demonstrated high levels of creativity and independence (i.e., a record of superior accomplishment--such as patents, publications, or documented instrumentation--which provides objective evidence of original professional contributions) with foresight and judgment in planning, organizing, and guiding extensive and complex scientific projects.

Desired Experience:

- Proficiency with ObsPy python toolbox for seismology.
- Experience with Antelope software.
- Familiarity with relational databases, including SQL scripting.
- Experience with Git version control system.
- Experience with machine learning as applied to seismic data.

Special Requirements

- Must work well in a coordinated fashion within a team, both in the lab and at sea.
- Participate in occasional sea-going experiments; typical cruise durations are ~30 days or less.
- At sea, must have the ability to work constructively and communicate clearly with the science team and marine crew.
- Must have a valid US drivers license.
- Must have a valid passport or be eligible for a passport.
- Must have a Transportation Worker Identification Credential (TWIC) or be eligible for a TWIC.

Physical Requirements

Further details of the physical requirements of established essential functions for this position will be addressed/discussed during the interview process.

Sea Duty

Sea duty requirements for this position will be addressed/discussed during the interview process.

Internal Number: 2020-1298

About Woods Hole Oceanographic Institution

Woods Hole Oceanographic Institution (WHOI) is the world's leading, non-profit organization dedicated to ocean science and engineering, exploration and education. Come join a diverse organization whose curiosity, creativity, and commitment help improve the world's understanding of the ocean's importance to the planet and to society. Experience a culture of excellence, dedication, innovation and discovery. Please visit <https://careers.who.edu> for a listing of all of our openings and apply today!