

Assistant Professor – Environmental Engineering
Tennessee Technological University

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Posted Oct. 31, 2024, set to expire Mar. 4, 2025

Job Title	Assistant Professor – Environmental Engineering
Department	Civil & Environmental Engineering https://www.tntech.edu/engineering/programs/cee/
Institution	Tennessee Technological University Cookeville, Tennessee
Date Posted	Oct. 31, 2024
Application Deadline	Dec. 31, 2024
Position Start Date	Aug. 1, 2025
Job Categories	Assistant Professor
Academic Field(s)	Water Resources Engineering Ecological and Environmental Civil Engineering
Job Website	https://jobs.tntech.edu
Apply Online Here	https://jobs.tntech.edu
Apply By Email	
Job Description	

The Department of Civil and Environmental Engineering (CEE) at Tennessee Tech University invites applications for a tenure-track position at the rank of Assistant Professor in the area of Water Resources and Environmental Engineering. This is a full-time, nine-month position to begin August 1, 2025.

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Candidates with expertise in either or a combination of the following areas are sought:

- Climate change impacts on water resources and related infrastructure
- Air quality and pollution control
- Water quality and/or environmental process modeling; fate and transport modeling
- Groundwater engineering
- Environmental informatics (machine learning, big data, digital twins, geospatial modeling, smart systems and sensors, intelligent engineering, and cyber-physical systems in environmental engineering)

The successful candidate will be responsible for teaching undergraduate and graduate courses, developing new courses in their area of expertise, developing an externally funded research program, and providing service to the department, college, university, and profession. Teaching of related courses in the curriculum may also be required depending upon the candidate's area of expertise and the needs of the department. Participation in the senior design course is expected.

Minimum qualifications include a BS in an engineering field; Ph.D. in Civil Engineering or closely related engineering field by the start date of employment; potential for interdisciplinary research activities; potential to develop and maintain an externally-funded research program leading to national recognition; potential for excellence in teaching and scholarly activities; potential to teach core water resources and/or environmental engineering courses and develop new courses related to area of expertise; have a demonstrated record of peer-reviewed scholarship; and excellent written and oral communication skills.

Preferred qualifications include a B.S. in Civil Engineering or closely related field; Professional Engineer (PE) licensure; industry experience; a track record of excellence in teaching; evidence of grantsmanship, research, and scholarly activities; and evidence of professional and scholarly services.

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Tennessee Tech University is classified as a doctoral university-high research activity (R2) institution located in the scenic Upper Cumberland Plateau, along Interstate I-40, between Nashville and Knoxville, and within proximity to many state and national parks. With more than 3,100 students, the College of Engineering is Tennessee Tech's largest college and is experiencing significant growth with a 15% growth in enrollment and a 660% growth in research awarded over the past five years to a record of \$43.7M awarded in the last fiscal year. Construction of the 100,000 square foot Ashraf Islam Engineering Building was completed in spring 2024. This building houses state-of-the-art environmental engineering and water resources labs in addition to a unique living, outdoor environmental laboratory. The building is fully instrumented as a smart building for live monitoring and analysis. Furthermore, construction of the 80,000 square foot Advanced Construction and Manufacturing Engineering building – housing advanced high bay structural testing, concrete materials and soils testing, and mechanical behavior of materials testing laboratories – is slated to begin Spring 2025. The CEE department is home to approximately 350 undergraduate and 20 graduate students with 14 full-time faculty. More information can be found at <http://www.tntech.edu/cee>. The successful candidate will be able to leverage well-developed opportunities with the Tennessee Valley Authority, the US Army Corps of Engineers, the Tennessee Department of Transportation, and Oak Ridge National Lab in partnership with the state-funded Water Center, the new Nuclear Engineering program, and the Center for Energy Systems Research, among many other opportunities.

All applicants will be required to apply online at <https://jobs.tntech.edu>. Applicants are required to upload a cover letter describing the candidate's experience; curriculum vitae; teaching philosophy; statement on potential research activities; contact information for three professional references; and a copy of transcripts (official transcripts for all degrees conferred required upon hire) at time of application. If selected for an on-campus interview, references will be contacted via email to provide a reference letter. Submission of materials is the applicant's responsibility. Applications without all required materials will be classified as incomplete and will not be considered. Review of applications will begin in January 2025; open until filled.

EEO/AA Policy

Tennessee Tech University is an AA/EEO employer and does not discriminate on the basis of race, color, religion, ethnic or national origin, sex, disability, age (40 and over), status as a protected veteran,

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genetic information or any other category protected by federal or state law. Inquiries regarding the nondiscrimination policies should be directed to equity@tntech.edu.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Donna Walls
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