

**THE UNIVERSITY OF OKLAHOMA
SCHOOL OF CIVIL ENGINEERING AND ENVIRONMENTAL SCIENCE/SCHOOL OF
CHEMICAL, BIOLOGICAL AND MATERIALS ENGINEERING
FACULTY POSITION OPENING
ASSISTANT/ASSOCIATE/FULL PROFESSOR**

The University of Oklahoma (OU) School of Civil Engineering and Environmental Science (CEES) and School of Chemical, Biological and Materials Engineering (CBME) in the Gallogly College of Engineering (GCoE) are looking to fill a joint faculty position in the area of produced waters/water resources. The position aligns with the GCoE's strategic priorities of doubling research productivity in the strategic growth areas of energy (including management of produced waters from petroleum production) and water (including treatment and reclamation of produced waters). This new specialty area will strengthen OU's water portfolio in an area of critical need and local and national significance at the energy-water nexus. Specifically, produced waters from the oil extraction industry pose a problem that is disrupting production, given that the traditional method of disposal via deep well injection is inducing earthquakes. The large amount of freshwater currently required for oil production also greatly taxes limited water resources.

The successful candidate is expected to develop and maintain a sponsored research program related to produced waters. Potential research areas include:

- Development of cost-effective water treatment and desalination technologies
- Risk assessment and water quality targets to protect environmental and public health
- Novel uses of treated waters

Highly qualified individuals with demonstrated expertise in other innovative areas related to produced waters/water resources, and/or other research challenges at the energy-water nexus, will receive full consideration. Applicants at all levels will be considered.

Since this position is being advertised jointly by CEES and CBME, it is anticipated that the successful candidate will teach one senior/graduate water quality course for CEES and one graduate course in his/her specialty area that would serve as an elective in both departments. The CEES course could be taught online as part of the MS program in Hydrology and Water Security. The subject matter for the on-campus graduate specialty course in CEES or CBME will depend on the candidate's area of expertise, but it is expected that it will cover one or more topics related to production and management of produced waters and/or advanced treatment processes. For more information about CEES and CBME, please visit the CEES and CBME websites at <http://www.ou.edu/coe/cees> and <http://www.ou.edu/coe/cbme>.

Qualifications

An earned Ph.D. is required, with at least one degree in civil engineering, environmental science or engineering, chemical engineering, or another closely related discipline. If your career plan is to join a dynamic faculty committed to serving as national leaders in educational and technical innovations in engineering, then we encourage you to apply.

Application Instructions

Applicants should upload a cover letter, curriculum vitae, statements of research and teaching interests and the contact information for three references to the following site: <https://apply.interfolio.com/66967>. The Gallogly College of Engineering holds strong the values of Diversity, Equity, and Inclusion. We seek candidates who contribute to fostering an inclusive

culture in all aspects of faculty responsibility, including within the classroom, the academic community, and within their professional commitments. Candidates should include in their cover letter a discussion of how they have or intend to promote the values of diversity, equity, and inclusion. Initial screening of applications will begin Nov. 1, 2019 and will continue until a candidate is selected and recommended for appointment.

The University of Oklahoma, in compliance with all applicable federal and state laws and regulations does not discriminate on the basis of race, color, national origin, sex, sexual orientation, genetic information, gender identity, gender expression, age, religion, disability, political beliefs, or status as a veteran in any of its policies, practices, or procedures. This includes, but is not limited to: admissions, employment, financial aid, housing, services in educational programs or activities, or health care services that the University operates or provides.