

# IOWA STATE UNIVERSITY

Civil, Construction, and Environmental Engineering

## FACULTY POSITIONS IN ENVIRONMENTAL ENGINEERING AND WATER RESOURCES

### Summary of duties and responsibilities

The Department of Civil, Construction, and Environmental Engineering (CCEE) at Iowa State University (ISU) seeks candidates for two tenure-track faculty positions: one in environmental engineering and one in water resources engineering. Hiring at the ranks of Assistant Professor or Associate Professor is preferred, but exceptional candidates with commensurate experience and proven track record will be considered for the Full Professor rank.

Areas of environmental engineering of particular interest include, but are not limited to, advanced technologies for potable water, sustainable water reuse/reclamation, environmental chemistry and chemical processes, novel materials for environmental applications, food-energy-water nexus, air quality, and WASH (water, sanitation, and hygiene). All areas of water resources engineering will be considered.

The successful candidate will establish and sustain an externally funded research program and complement the current research and education efforts in the CCEE Department through interdisciplinary collaboration. The candidate will teach courses at both the undergraduate and graduate levels, advise both graduate and undergraduate students, generate a scholarly publication record, participate in technical committees and outreach activities, and exhibit a commitment to equity, diversity, and inclusion. Candidates should communicate well, collaborate effectively, and contribute to the mission of the department. For more information about our department's engineering program, see [www.ccee.iastate.edu](http://www.ccee.iastate.edu).

All employees are expected to interact collegially with others, maintain the highest standards of integrity and ethical behavior, and exhibit and convey good citizenship in the program, the department, college, and university activities.

### Minimum required qualifications

- Candidates for this position must hold a Ph.D. in civil engineering, environmental engineering or a closely related field. The Ph.D. must be conferred by employment start date.
- Associate Professor candidates must meet the university standards for appointment to the rank including significant experience/accomplishments in the candidate's area of expertise.
- Full Professor candidates are required to have national distinction, international recognition, and a substantial scholarly record in addition to the aforementioned requirements.

### Preferred qualifications

- Agenda of teaching that contributes to the department's degree programs.
- Agenda of research that complements existing strengths in the department and University.
- Evidence of a commitment to diversity and inclusion.
- A record of publication in related technical areas.
- Evidence of strong communication skills.
- A professional engineering license or the ability to become licensed.
- Professional experience (e.g., academic, postdoctoral, industry) in a related field.

### Department information

The CCEE Department offers B.S. degree programs in environmental engineering, civil engineering, civil engineering with environmental engineering emphasis, and construction engineering plus M.S., MEng, and Ph.D. graduate

degree programs in civil engineering, and it had externally funded research of approximately \$22 million in 2019. The successful candidate will be involved in developing our recently-launched B.S. degree program in environmental engineering. CCEE is committed to diversity among faculty, staff, and students who can enrich University objectives in the areas of research, teaching, and service.

Additional research collaboration opportunities are encouraged through the Iowa Nutrient Research Center, Iowa Energy Center, Iowa Water Center, Bioeconomy Institute, and Institute for Transportation, as well as numerous other institutes and centers on campus.

### **University information**

Iowa State University is classified as a Carnegie Foundation Doctoral/Research University-Extensive, a member of the Association of American Universities (AAU), and ranked by U.S. News and World Report as one of the top public universities in the nation. More than 30,000 students are enrolled and are served by over 6,200 faculty and staff.

Iowa State University is a global and culturally diverse university committed to providing an inclusive, equitable, and diverse environment for both learning and employment. We know that diversity in experience and perspective is vital to advancing innovation, critical thinking, solving complex problems, and building an inclusive academic community. At Iowa State, we translate these values into action by seeking individuals who have experience working with diverse students, colleagues, and constituents. The university has an expectation that all employees will demonstrate a contribution to diversity and inclusion as embodied in Iowa State University's Principles of Community.

Iowa State University is an equal opportunity/affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, genetic information, national origin, marital status, disability, or protected veteran status and will not be discriminated against. Iowa State University provides reasonable accommodations to applicants and employees with disabilities.

### **Application Instructions**

Applications will be accepted until these positions are filled. However, to receive full consideration, applications should be received by October 24, 2020 for the environmental engineering position and by November 17, 2020 for water resources position. All interested, qualified persons must apply for this position online at [jobs.iastate.edu](https://jobs.iastate.edu) (requisition numbers R3181 for environmental, R3378 for water resources).

The following documents must be submitted in PDF format:

- 1) Letter of application (including information about desired rank) that briefly discusses how the candidate meets each of the preferred qualifications
- 2) Curriculum vitae
- 3) Other documents:
  - a. one-page teaching statement that provides evidence of an ability to teach courses in the civil and environmental engineering programs (see <https://www.ccee.iastate.edu/current-students/undergraduate-program/degree-requirements/>)
  - b. one-page research statement
  - c. one-page statement of experiences promoting diversity and inclusion, which could include advocacy, support, study, and experience with individuals and issues outside the candidate's personal background
- 4) Contact information for at least three references, including name, mailing address, email address, and phone number, and other pertinent information.

The search committee will complete a majority of the search process, candidate review, and interviewing virtually to ensure the safety of our faculty, staff, and candidates. Final candidates will be invited to campus for a mix of face to face and virtual meetings. A candidate's preference to proceed virtually will not influence the search committee's hiring decision.

Direct questions to [cceesearch@iastate.edu](mailto:cceesearch@iastate.edu), or call 515-294-1676.