

Assistant Professor, Water Quality Engineering, (Tenure-Track)

Biological & Ecological Engineering Department, Oregon State University

1.0 FTE, 9 month position; 75% research, 25% teaching

This position, as part of a cluster hire of three positions at OSU addressing water supply and quality, will focus on addressing critical water quality issues in the state, region, nation, and globe and providing innovative engineering solutions to current water quality problems in managed and natural systems. The position will develop a nationally recognized research program in one or more of the following areas:

- 1) Modeling and analysis of water quality constituent production, transport, and fate from field scales to landscape scales;
- 2) New technology development for measuring and monitoring water quality in natural and managed systems; and/or
- 3) New technology development for improving water quality source reduction and/or treatment.

Application areas will emphasize agricultural production, including food, fuel and fiber production, horticultural production systems, and natural systems. The position will include both experimental and analysis dimensions, and will emphasize the development of advance technologies for measuring, monitoring, assessing and mitigating water quality impairments.

Teaching responsibilities of this position include approximately two classes per year (quarter system), and will include undergraduate and graduate courses related to water quality analysis, assessment and mitigation, and/or additional areas to be determined based on the successful candidate's background and interests. Supporting student success and diversity is an important aspect of this position.

College of Agricultural Sciences faculty are committed to enhancing student success by engaging students in quality academic, research, internships, global studies, and other experiential learning opportunities. Candidates should demonstrate commitment to student success in their ability to contribute to the faculty's culture around supporting students, particularly through diversity in the mentoring environment and through responsiveness to the diversity of student learning styles.

Letters of application should at a minimum address each of the required qualifications and the preferred qualifications listed in this announcement. Applications should include the following: 1) letter of application addressing each of the required qualifications and the preferred qualifications listed in this announcement, 2) a 1-page statement of research interest; 3) a 1-page statement of your philosophy of and strategies for teaching and student success, and 4) a copy of your current resume including your phone number and names of 4 references (at least one of whom was under your supervision) who can be contacted by telephone.

Additional Required Qualifications:

- Ph.D in Biological, Ecological, or Agricultural, Civil, or Environmental Engineering or a related field by start date of employment.
- Excellent communication skills
- Commitment to promoting and enhancing diversity.
- Sufficient training to qualify for the Professional Engineering Examination
- Demonstrated scholarship in the field of water quality engineering

Additional Preferred Qualifications:

- Experience working in multidisciplinary teams
- Record of/commitment to working with underrepresented and underserved students or other diverse audiences.
- Life experience, education, or training that broadens capacity to equalize student success or impact underserved audiences.
- Solutions-oriented research that integrates process modeling (e.g. fate and transport, etc.) and technology development in environmental systems.

The position is located in Corvallis, Oregon.

The Biological and Ecological Engineering Department is devoted to the application of engineering, ecological and life-science principles and problem-solving techniques to the optimum use and sustainability of ecological resources. The department seeks to integrate human activities with the natural environment to the benefit of both. With undergraduate and graduate options, we bring the insights from earth sciences, hydrology, and biology and the methods of engineering together to provide the products and tools of the future.

Oregon State University's commitment to student success includes hiring, retaining, and developing diverse faculty to mentor and educate our undergraduate and graduate students from entry through graduation. Our Strategic Plan (<http://oregonstate.edu/leadership/strategicplan/phase3>) articulates the strategies we believe critical to advancing and equalizing learner success. The College of Agricultural Sciences is likewise committed to success of all learners accessed through its extension and outreach programs.

OSU commits to inclusive excellence by advancing equity and diversity in all that we do. We are an Affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans, LGBTQ community members, and others who demonstrate the ability to help us achieve our vision of a diverse and inclusive community.

For more information, contact Dr. Desiree Tullos (desiree.tullos@oregonstate.edu), Search Committee Chair.

About Corvallis from Livability.com:

"Not many cities can claim to be an hour from the ocean, an hour-and-a-half from the mountains, surrounded by national forests and yet a short distance away from a major metropolitan area, but Corvallis, Ore., offers all this and much more as one of America's Best Places to Live 2015.

Corvallis (population 56,535) has long been known as the home of Oregon State University and a progressive, intellectually vibrant community that has led in municipal sustainability practices and green initiatives. It's also set in a beautiful area of the Pacific Northwest, resulting in a wealth of outdoor recreational activities. Corvallis was named to our list of 10 Best College Towns in 2012."

To review posting and apply, go to <http://oregonstate.edu/jobs> Posting # 0016965. When applying you will be required to attach the following electronic documents:

1) letter of application addressing each of the required qualifications and the preferred qualifications listed in this announcement, 2) a 1-page statement of research interest; 3) a 1-page statement of strategies for extension and teaching, and 4) a copy of your current resume including your phone number and names of 3 references (at least one of whom was under your supervision) who can be contacted by telephone.