Oregon State University

Biological & Ecological Engineering

Three Faculty Positions in Water Resource Engineering

The Department of Biological & Ecological Engineering at Oregon State University seeks to fill three tenure/tenure-track Water Resources Faculty positions in the fields of (1) Sustainable Groundwater Management Engineer, (2) Integrated Water Quality Management Engineering and (3) Agricultural Water Management/Extension Irrigation Specialist. The Integrated Water Quality Management Engineer position has the potential to join OSU under the Miner Endowed Professorship as an Associate or Full Professor.

The focus of this cluster hire is to address critical water management issues in the state, region, nation and globe. These positions will address priorities of national and global relevance, improving natural resource management, agricultural competitiveness and resilience through interactions with the state and regions many stakeholders while maintaining key ecosystem services in our landscapes. The successful candidates will develop nationally-recognized research programs. Areas of focus include:

**Sustainable Groundwater Management Engineer:** Groundwater modeling; surface water interactions; fate and transport; socio-hydrology; decision making around groundwater management; response to systems under changing environmental and regulatory conditions.

**Integrated Water Quality Management Engineer:** Bio– and phyto–remediation; fertility/nutrient management; food-energy-water nexus; land management impacts on watersheds; design of biological treatment systems; fate and transport; engineered systems for water quality.

**Agricultural Water Management/Extension Irrigation Specialist:** Irrigation system innovation, evaluation and assessment; sensor and sensor integration; basin-scale water management; food-energy-water nexus; agricultural resiliency and sustainability.

Successful candidates may also teach graduate and/or undergraduate level class (es) in the area of water resources engineering and technology, and provide outreach/training opportunities within the state. Creative strategies to foster student success and diversity are important aspects of these positions.

Our 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 supporting students, provide a positive mentoring environment and through responsiveness to the diversity of student learning styles.

These positions are located in Corvallis, Oregon.

The Biological & 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. Our departmental culture is inclusive and values a diversity of perspectives and backgrounds, faculty excellence in research, teaching, and mentoring, that promotes student success in academics and in life. We hope to attract applicants from underrepresented groups to add to the diversity of the department.

Oregon State University’s commitment to student success includes hiring, retaining, and developing diverse faculty to mentor and educate our undergraduate and graduate student 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 Jennifer Cohen, BEE Office Manager (Jennifer.Cohen@oregonstate.edu; 541-737-6292)

About Corvallis from Livability.com:

“Surrounded by majestic mountain ranges and the picturesque Willamette Valley, hiking and biking are among the favorite outdoor activities in Corvallis, a quaint (but growing) college town. Corvallis enjoys a lofty rating in education thanks in large part to Oregon State University. In fact, Corvallis was one of Livability.com's 10 Best College Towns in 2017. The city has a large number of citizens with graduate degrees and is among the nation’s leaders in per capita number of new patents.

Residents take pride in getting involved with civic causes and sustainability, and Corvallis scores high on health care thanks to Good Samaritan Regional Medical Center.”

To review posting and apply, go to https://jobs.oregonstate.edu/
Posting P03582UF-Sustainable Groundwater Management Engineer
Posting P03583UF-Integrated Water Quality Management Engineer
Posting P03609UF-Agricultural Water Management/Extension Irrigation Specialist.

Positions close March 17 with a “for full consideration” deadline of March 03.