

Assistant Professor - Mechanical and Biomedical
Engineering
Boise State University

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Posted Nov. 6, 2024, set to expire Mar. 10, 2025

Job Title	Assistant Professor - Mechanical and Biomedical Engineering
Department	Mechanical and Biomedical Engineering https://www.boisestate.edu/coen-mbe/
Institution	Boise State University Boise, Idaho
Date Posted	Nov. 6, 2024
Application Deadline	Open until filled - Application review will begin on January 6, 2025, with Zoom interviews to begin in mid-January.
Position Start Date	August 2025
Job Categories	Assistant Professor
Academic Field(s)	Transportation Engineering Sustainable Engineering Robotics Mechatronics Mechanical Engineering Manufacturing & Quality Engineering Industrial & Systems Engineering Engineering Mechanics Energy Technology Bioengineering (all Bio-related fields) Aerospace/Aeronautical/Astronautics Engineering - Other
Job Website	https://jobs.boisestate.edu/en-us/job/498654/assistant-professor-mechanical-and-biomedical-engineering

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Apply By Email

Job Description

The [Department of Mechanical and Biomedical Engineering](#) at Boise State University invites applications for a tenure-track Assistant Professor with an anticipated start in Fall 2025. We welcome outstanding applicants from all areas of mechanical and biomedical engineering, focusing on candidates whose research aligns with one or more of our interdisciplinary PhD programs in [Engineering](#), [Computing](#), [Electrical and Computer Engineering](#), [Biomedical Engineering](#), and [Materials Science and Engineering](#). Collectively, these programs are designed to be flexible enough to accommodate the broad spectrum of research interests across mechanical engineering and related fields.

The successful candidate is expected to maintain an externally funded research program, foster a collaborative learning environment using evidence-based practices, communicate effectively with colleagues and students, and collaborate with faculty and industry/community partners on interdisciplinary research initiatives. You will also contribute to the department's growth through teaching, mentoring students, and participating in departmental, college, and/or university committees. Our department is committed to balancing the research and teaching commitments of junior faculty so that our new colleague can establish a thriving research program.

Department overview:

Welcome to the Department of Mechanical and Biomedical Engineering within the [College of Engineering](#) at Boise State University, where innovation and impact drive our community of educators and learners. The College of Engineering (COEN) at Boise State is the largest engineering college across Idaho. With over 500 students, the Mechanical and Biomedical Engineering department is one of the largest of the seven COEN departments, and is affiliated with five separate transdisciplinary PhD programs. Our department is founded on a set of core values that define our culture and guide our actions: development of people, respect, integrity, and community.

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Our department offers a diverse range of undergraduate and graduate programs to equip students with the knowledge and skills they need to excel in the field of engineering. Our teaching philosophy emphasizes experiential learning, with hands-on design opportunities integrated throughout the curriculum. Our state-of-the-art fabrication facility, the Engineering Innovation Studio, provides students access to cutting-edge equipment and expert guidance. Faculty in our department lead groundbreaking research in a variety of areas while also contributing to a collaborative and inclusive environment.

Research expenditures in the department have tripled in the past five years to nearly \$3 million annually, and MBE faculty have been successful in obtaining funding from a wide variety of agencies, including the Department of Energy, National Science Foundation and National Institutes of Health. Current faculty include three NSF CAREER awardees, two NIH R01 awardees, a Beckman Young Investigator, and two golden apple winners (University award for best instructor).

Joining us means becoming part of an enthusiastic team of faculty and staff that fosters a culture of innovation, publishes groundbreaking research, and nurtures a collaborative and inclusive environment. Together, we empower students to make a meaningful impact in the world of engineering.

About Boise State:

Nestled along the Boise River and steps from the state capitol, Boise State University fosters a vibrant and welcoming academic environment that fuels student and employee success. We're a trailblazing institution, nationally recognized for our innovative spirit and commitment to positive impact on Idaho and beyond.

We're building a thriving community of faculty and staff whose unique skills, experiences, and perspectives come together to create a rich and rewarding academic experience. Applications from all backgrounds are welcomed.

[Learn more about faculty careers at Boise State and the City of Boise.](#)

Minimum qualifications:

- Ph.D. in Mechanical Engineering, Biomedical Engineering, or closely related field
- Potential to develop a successful, independent research program
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Ability to work collaboratively

- Strong communication and interpersonal skills

Preferred qualifications:

- Experience in teaching undergraduate and graduate mechanical engineering courses
- Competency in instructing thermal-fluids courses is highly desirable
- Demonstrated ability to apply evidence-based instructional practices in the classroom
- A track record of research and publications
- Experience in interdisciplinary research collaborations

Required application materials:

- A cover letter detailing the following:
 1. Your interest in the position
 2. Your research and teaching experience
- Detailed curriculum vitae
- Statement of Research Interests (3-page maximum, please detail your ongoing and future

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research plans)

- Statement of Teaching Philosophy (3-page maximum, please state the topics and courses you are qualified to teach)

Contact Information

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

Contact Clare Fitzpatrick
Mechanical and Biomedical Engineering
Boise State University
Boise, ID

Contact E-mail clarefitzpatrick@boisestate.edu