



**NORTHERN ARIZONA  
UNIVERSITY**

**INSTRUCTOR POSITION**  
**Department of Mechanical Engineering**  
**College of Engineering, Forestry and Natural Sciences**  
**Northern Arizona University**

The Department of Mechanical Engineering invites applications for a non-tenure track Instructor position in our program to begin January 9, 2017. Outstanding candidates in Mechanical Engineering will be considered with preference given to candidates having engineering design, solid mechanics, and thermal-fluids backgrounds. The successful candidate will be primarily responsible for teaching both lower- and upper-division undergraduate classes and laboratories. The ideal candidate will be able to teach courses in engineering design, machine design, dynamics, fluid mechanics, thermal-fluids lab, and computer-aided design depending upon the candidate's strengths and departmental needs. Student mentoring and advising, participation in department-level service, and course and program level assessment activities for accreditation will also be required.

This Instructor position is renewable pending satisfactory job performance, availability of funding, and program needs. This position is not tenure eligible.

**Minimum qualifications**

Bachelor and Master's degrees in Mechanical Engineering or a closely-related field conferred by the start date, January 9, 2017.

**Preferred qualifications**

In addition to the minimum qualifications, applicants will be evaluated on the following preferred qualifications:

- PhD in mechanical engineering or a closely related field.
- Primary expertise in engineering design and solid mechanics.
- Additional expertise in several Mechanical Engineering subspecialties, particularly in computer-aided design and thermal-fluid sciences.
- Excellent communication skills.
- College-level experience teaching a variety of undergraduate mechanical engineering courses.
- Experience with instructional design, effective pedagogy, and innovative learning methodologies.
- Work experience as a Mechanical Engineer.
- Experience working and interacting with people from a variety of culturally diverse backgrounds.

**General Information**

Northern Arizona University has a student population of approximately 29,000, including more than 21,000 on its main campus in Flagstaff and the remainder at more than 20 locations statewide and online.

Committed to a diverse and civil working and learning environment, NAU has earned a solid reputation as a university with all the features of a large institution but with a personal touch, with a faculty and staff



dedicated to each student's success. All faculty members are expected to promote student learning and help students achieve academic outcomes.

While our emphasis is undergraduate education, we offer a wide range of graduate programs and research. Our institution has carefully integrated on-campus education with distance learning, forming seamless avenues for students to earn degrees.

Flagstaff has a population of about 67,000, rich in cultural diversity. Located at the base of the majestic San Francisco Peaks, Flagstaff is 140 miles north of Phoenix at intersection of Interstate 17 and Interstate 40. With an elevation of 7,000 feet and four-season climate, Flagstaff is ideal for year-round outdoor activities. Nearby attractions include the Grand Canyon, Lowell Observatory, Oak Creek Canyon, Sedona, Monument Valley, Sunset Crater, Meteor Crater, and Arizona Snowbowl.

The Department of Mechanical Engineering in the College of Engineering, Forestry, and Natural Sciences, the largest college on the NAU campus, offers undergraduate and graduate degrees. These include a Bachelor of Science degree in Mechanical Engineering (ABET accredited), a Master of Science in Engineering with a major in Mechanical Engineering and a Master of Engineering with a major in Mechanical Engineering. In Fall 2013 we started offering an interdisciplinary Ph.D. degree in Engineering Sustainable Systems in collaboration with the School of Earth Sciences and Environmental Sustainability. In Fall 2016 we started offering a Ph.D. in Bioengineering in collaboration with the Department of Biology. The department currently has about 950 students, 16 faculty, and has experienced substantial enrollment growth in the past five years.

### **Background Information**

Northern Arizona University requires satisfactory results for the following: a criminal background investigation, an employment history verification and a degree verification (in some cases) prior to employment. You may also be required to complete a fingerprint background check. Additionally, as an employer in the state of Arizona, NAU is required to participate in the federal E-Verify program that assists employers with verifying new employees' right to work in the United States.

### **Salary**

The salary range for this position is \$52,000 to \$54,000 per academic year (9-month), depending on experience and qualifications.

### **How to Apply**

Please see <http://nau.edu/Human-Resources/Careers/Faculty-and-Administrator-Openings/>, job ID 602795, for full position description and application procedure. This position will be open until filled or closed. Review of applications will begin on October 12, 2016.

Northern Arizona University is a committed Equal Opportunity/Affirmative Action Institution. Women, minorities, veterans and individuals with disabilities are encouraged to apply.