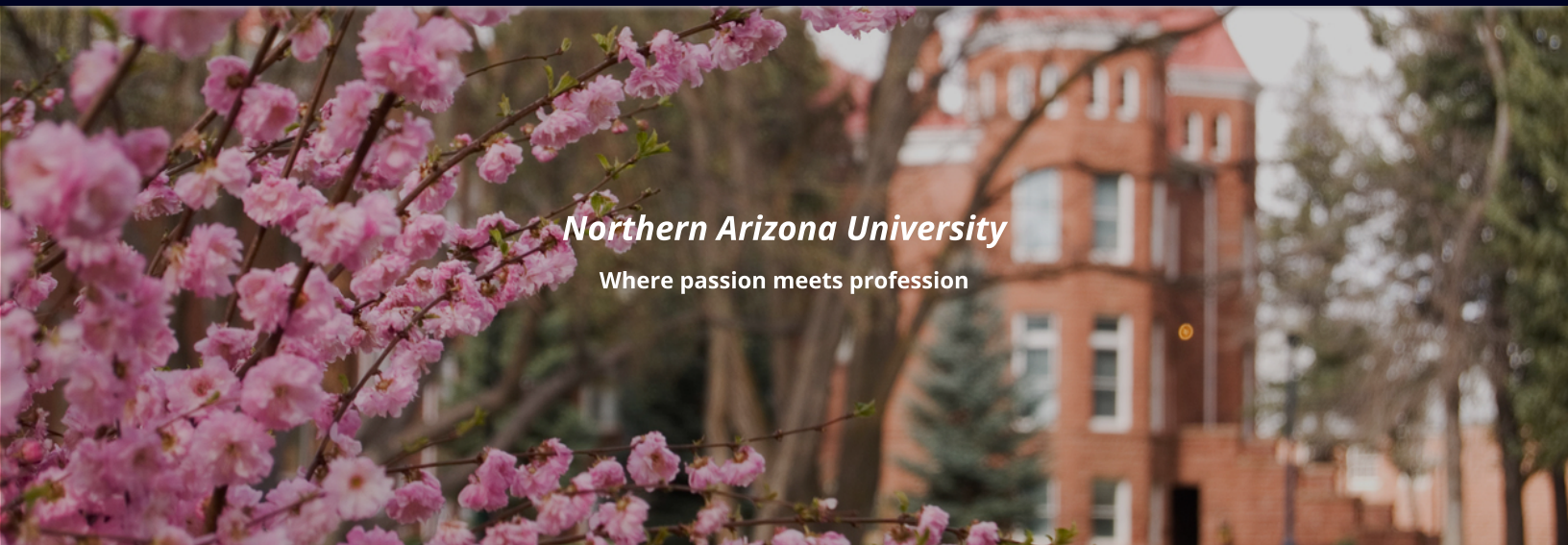




Assistant Professor (multiple positions), Applications of Artificial Intelligence and Machine Learning (AI/ML)

 609365

 Flagstaff, Arizona, United States

 Vice President for Research

 Faculty

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Special Information

- This position is an on-site position which requires the incumbent to complete their work primarily at an NAU site, campus, or facility with or without accommodation. Opportunities for remote work are rare.

About the Department/College

Northern Arizona University (NAU) invites applications for multiple full-time, tenure-track assistant professor positions to infuse expertise in **applications of Artificial Intelligence and Machine Learning (AI/ML)** across its curriculum with a specific focus on building capacity within several key areas of recognized research excellence.

About the Position

Individuals recruited as part of this initiative will join a university-wide faculty community that is committed to providing access to innovative academic programs, passionate about student success, and collaboratively leading world-class scholarly programs. A specific goal of this hiring initiative is to add robust expertise in applications of AI/ML to specific research areas at NAU that are already vibrant, productive, and well-recognized both nationally and internationally as leading research programs.

NAU is particularly interested in applicants with a research focus aligned with any of the following thematic areas:

- Engineering of AI/ML-**autonomous systems** with applications to **remote sensing/mapping**
- AI/ML-enabled approaches to **microbiome science**
- AI/ML applications in **forestry** and/or **hydrological systems**
- AI/ML-supported **teaching & learning in STEM Education**

Candidates will be expected to develop a productive research program that synergizes with existing NAU research initiatives to address timely and significant topics in the fields listed above. Successful candidates will have an academic home in an appropriate



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Assistant Teaching Professor, Communication

School of Communication

The Communication Studies unit within the School of

department/school/college commensurate with their training and experience. Potential academic units associate with the research areas listed above include, but are not limited to:

- Department of Mathematics and Statistics
- Department of Mechanical Engineering
- Department of Teaching and Learning
- School of Informatics, Computing, and Cyber Systems
- School of Earth and Sustainability
- School of Forestry

Additionally, successful candidates will embrace NAU's teacher-scholar faculty model by contributing to teaching and student mentorship at both the undergraduate and graduate level, including teaching of both new and existing course offerings. Ability to incorporate innovative uses of AI/ML in classroom and learning settings is desirable. NAU's goal is to be the nation's preeminent engine of opportunity, vehicle of economic mobility, and driver of social impact by delivering equitable postsecondary value in Arizona and beyond as described in NAU's Elevating Excellence Strategic Roadmap.

NAU's mountain campus is located in Flagstaff, nestled in the heart of northern Arizona's majestic mountains and pine forests. Consistently celebrated as one of the best college towns in the nation, Flagstaff offers a welcoming community and provides excellent opportunities for outdoor recreation, with hiking, mountain biking, and skiing available just minutes away. Flagstaff's vibrant culture is rooted in its thriving arts, music, and restaurant scenes, and the town's cultural institutions honor its history and the heritage of its Indigenous Peoples. Flagstaff offers an exceptional setting for both living and learning.

Responsibilities Include

Duties for faculty hired in this solicitation will include:

- Teaching at the undergraduate and graduate levels and mentoring students;
- Building and maintaining a vibrant and productive scholarly program, including securing extramural funding; and
- Contributing to service to the institutional, academic, and professional communities.

Minimum Qualifications

- A Ph.D. in any discipline represented in our academic colleges, conferred by August 2026.

Preferred Qualifications

1. Demonstrated expertise in AI/ML methods, development, and applications in one or more of the following disciplinary areas:
 - Engineering of AI/ML-**autonomous systems** with applications to **remote sensing/mapping**; examples may include edge computing & real-time sensor fusion for perception, intelligent path planning, human-machine interfaces, etc.
 - AI/ML-enabled approaches to **microbiome science** related to precision medicine, human health or human performance.
 - AI/ML applications in **forestry** and/or **hydrological systems**; examples may include ecosystem process modeling, predicting wildfire risk & recovery, climate forecasting, water resource management, etc.
 - AI/ML-supported innovations to enhance **teaching, learning, and assessment in STEM and data science education**.
2. Prior success in, or strong potential for, securing external funding at a level sufficient to maintain a vibrant research program;
3. Demonstrated record of research dissemination via peer-reviewed publications (journals, book chapters, etc.) and conference proceedings of recognized quality and impact;
4. Demonstrated record of teaching, student mentorship, and applications of AI/ML to enhance student learning;
5. Demonstrated interest in contributing to multi- and inter-disciplinary instructional and scholarly initiatives, including research and scholarly endeavors that develop and apply AI/ML-based methods to novel applications;

Within the School of
Katherine Sanchez Meador
Arizona University (NAU) is
searching for an Assistant
Teaching Professor to begin
August 2026. This is a teaching-
focused, non-tenure eligible
position. Assistant Teach...

Assistant Professor, Embedded Electronics SICCS

The Steve Sanghi College of Engineering (SCE) at Northern Arizona University (NAU) seeks candidates for a tenure track professor position in Embedded Electronics at the School of Informatics, Computing, and Cyber Systems (SICCS). The primary respo...

Auxiliary Services Systems Analyst, Intermediate

Campus Services & Activities

Campus Services and Activities (CSA) is seeking an Auxiliary Services Systems Analyst, Intermediate to ensure high availability and performance of customer-facing, revenue-generating, and specialized university auxiliary services systems.

6. Demonstrated record of resource dissemination advancing the adoption of AI/ML within any of the listed disciplinary areas, such as through public dissemination of important data sets, widely used software tools or models, or innovative educational resources.

Knowledge, Skills, & Abilities

- Knowledge of effective pedagogy, innovative learning methodologies across varied modalities, and best-practices in course and program curricular design and development.
- Knowledge extramural funding management, planning, proposal and budget development, and policy compliance.
- Knowledge of current trends in higher education teaching and research and emerging demographic trends.
- Effective verbal and written communication abilities.
- Ability to effectively work as part of a community of individuals from culturally diverse backgrounds.
- Ability to mentor students and teach a wide variety of courses across undergraduate and graduate levels.

Compensation

Commensurate with experience. Annual salary commensurate with candidate's qualifications and related experience.

Pre-Employment Check

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. Also, 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.

This position has been identified as a safety/security sensitive position. Therefore, per AZ Revised Statute, Northern Arizona University requires satisfactory results for the following: a criminal background investigation, employment history investigation, degree verification (in some cases) and fingerprinting. If you are applying for a job that requires a CDL, you will be required to register with the Federal Motor Carrier Safety Administration Drug & Alcohol Clearinghouse and adhere to the clearinghouse requirements.

Notice of Availability of the Annual Fire and Security Report

Each year Northern Arizona University releases an Annual Security Report. The report is a result of a federal law known as the Clery Act. The report includes Clery reportable crime statistics for the three most recent completed calendar years and discloses procedures, practices and programs NAU uses to keep students and employees safe including how to report crimes or other emergencies occurring on campus. In addition, the Fire Safety Report is combined with the Annual Security Report for the NAU Flagstaff Mountain Campus as this campus has on-campus student housing. This report discloses fire safety policies and procedures related to on-campus student housing and statistics for fires that occurred in those facilities. If you would like a free paper copy of the report, please contact the NAUPD Records Department at (928) 523-8884 or by visiting the department at 525 E. Pine Knoll Drive in Flagstaff.

Immigration Support/Sponsorship

NAU will not provide any U.S. immigration support or sponsorship for this position.

Submit your Application

Review of applications will begin on December 1, 2025. Vacancy will remain open until filled.

To apply for this position, please click on the "Apply" button on this page.

Application must include (saved as PDF and/or Word documents):

1. a cover letter highlighting your particular qualifications for this position;
2. a curriculum vitae; and
3. names and contact information for three references.

Please do not include any other documents as they will not be considered.

If you are an individual with a disability and need a reasonable accommodation to participate in the hiring process, please contact the Disability Resources Office at 928-523-8773, DR@nau.edu, or PO Box 5633, Flagstaff AZ 86011.



Northern Arizona University is a committed Equal Opportunity Employer, including disabled/veterans. NAU is responsive to the needs of dual career couples. NAU is an Employer of National Service. AmeriCorps, Peace Corps, and other National Service alumni are encouraged to apply.

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