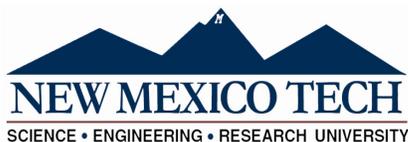


Posted: December 20, 2024



**Internal 7 Day On Campus
POSITION ANNOUNCEMENT**

TITLE: ASSISTANT PROFESSOR

DEPT: MECHANICAL ENGINEERING

REG

TEMP

FULL TIME

PART TIME

STARTING RATE or SALARY RANGE \$ 84,500

Employees being promoted to a higher classified position receive the minimum for the position or a pay rate adjustment of 8% whichever is greater.

All regular positions also entitle the employee to several benefits including health, dental, vision, life insurance, and retirement which is largely paid by New Mexico Tech for the employee and dependents.

INTERNAL POSTING THROUGH: January 10, 2025 CONSIDERATION WILL BE GIVEN FIRST TO TEMPORARY AND REGULAR TECH EMPLOYEES WHO APPLY WITHIN THE 7 DAY INTERNAL POSTING. APPLICATIONS RECEIVED AFTER THE 7 DAY POSTING MARGIN WILL BE CONSIDERED WITH OTHER OUTSIDE APPLICANTS.

JOB SUMMARY:

This is a nine-month, tenure-track position. The individual will have responsibilities that include (a) teaching undergraduate (e.g., introductory, upper-division, service courses) and graduate courses in engineering (e.g., mechanical engineering, electrical engineering) and related fields (e.g., engineering science, programming), and their areas of expertise (e.g., robotics); (b) establishing a vibrant research program that is supported by external funding with work disseminated through the peer-reviewed publication process, technical reports, and other contract deliverables along with managing a research team that involves undergraduate and graduate students, post-docs, and/or staff; (c) serving as an academic and research advisor for undergraduate and graduate students; (d) contributing to the department's and institution's efforts in supporting student academic success while engaging and encouraging students from diverse academic, socioeconomic, and cultural backgrounds; and (e) assisting in department, center, and university activities that include assessment and accreditation and other service activities in the profession and community.

Candidates must be willing to teach day, evening and/or weekend classes and conduct classes through multifaceted teaching strategies for person-to-person, hybrid, or online teaching modalities. All members of the faculty also have the responsibility to accept those reasonable duties assigned to them within their fields of competence. Actual assignments will depend on department and program needs.

This person will interact with the department chair, faculty, students, and office staff - in both departments in which they hold an appointment. This person will also be expected to work with members of the university community (e.g., administrative offices, other departments and distance education office) and beyond (e.g., prospective students and their families, grant agencies, donors, legislators). The faculty member will be evaluated annually, consistent with NMT's "Policy and Procedure for Appointment, Promotion & Tenure" that includes an evaluation of their teaching (e.g., quality and quantity of teaching duties, development/use of new teaching methods, advising and mentoring of undergraduate and graduate students), research (e.g., publications, grants/contracts, patents, presentations, graduate and undergraduate students mentored), and service activities that benefit the profession, department, or university (e.g., committees, manuscript reviews, session chairing).

Note regarding teaching loads: Research-active STEM faculty typically teach two courses per semester (four courses, or about 12 credits per academic year), as assigned by the Chairperson with responsibilities such as grading, holding office hours, advising students, etc. Due to tenure requirements, this is the expectation during the probationary period. For tenured faculty who wish to focus more on teaching or who find it

challenging to fulfill both research and service commitments, there is an option to increase teaching duties proportionally. This could mean teaching up to 24 credits per year, with an emphasis on teaching and service with a reduced expectation for research. A general guideline is that teaching is typically 3 - 4 credits for each 10% of a faculty member's load and the adjustment of workload assignments is at the discretion of the chairperson or administration. These adjustments will be based on prior performance

JOB FUNCTIONS:

Teaching undergraduate and graduate courses in engineering and related areas (e.g., engineering science, programming), including their area of expertise (robotics). Teaching is typically 12 - 16 credits per academic year for research active faculty. For tenured faculty who wish to focus more on teaching or who find it challenging to fulfill both research and service commitments, there is an option to increase teaching duties proportionally. For example, teaching 24 credits per academic year while maintaining service responsibilities with no research expectations).

Research in Robotics (and related areas); mentoring of undergraduate and graduate students and post-docs; establish an externally funded research program that disseminates their work via the peer-review publication process.

Service to the departments, institution, community, and profession. This includes, but is not limited to, serving on/leading committees, advising, serving as a reviewer, assisting / leading ABET accreditation efforts, assessment, etc.

REQUIRED QUALIFICATIONS:

Bachelor's Degree in Electrical Engineering or Mechanical Engineering. Ph.D. or other doctorate level equivalent in Robotics. Ability to teach introductory through upper-division/graduate engineering courses (e.g., electrical engineering, mechanical engineering, and courses related to engineering science). Includes courses within their expertise (e.g., robotics) and potentially related areas (e.g., programming). Ability to establish a research program supported by external funding, incorporates undergraduate and graduate students, and whose work can be disseminated through the peer-review publication process. Ability to support student academic success by engaging and encouraging students from diverse academic, socioeconomic, and cultural backgrounds. Excellent written and verbal communication skills. Ability to multi-task, interact with people, and advise/mentor students.

LIFTING REQUIREMENTS:

(f)requently, (o)ccasionally, or (s)eldom

0 - 15 pounds	F
15 - 30 pounds	O
30 - 50 pounds	S
50 - 100 pounds	
100 + pounds	

PHYSICAL DEMANDS:

Standing 30%	Sitting 40%	Walking 22%	Pulling 1%
Pushing 1%	Lifting 1%	Stooping 1%	Kneeling 1%
Crawling 1%	Climbing 1%	Reaching 1%	Other