



DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING

TEXAS TECH

Whitacre College of Engineering

Open-Rank Faculty Position in Electrical and Computer Engineering - Cybersecurity

About the University:

Established in 1923, Texas Tech University is a Carnegie R1 (very high research activity) Doctoral/Research-Extensive, Hispanic Serving, and state-assisted institution. Located on a beautiful 1,850-acre campus in Lubbock, a city in West Texas with a growing metropolitan-area population of over 300,000, the university enrolls over 40,000 students with 33,000 undergraduate and 7,000 graduate students. As the primary research institution in the western two-thirds of the state, Texas Tech University is home to 10 colleges, the Schools of Law and Veterinary Medicine, and the Graduate School. The flagship of the Texas Tech University System, Texas Tech is dedicated to student success by preparing learners to be ethical leaders for a diverse and globally competitive workforce. It is committed to enhancing the cultural and economic development of the state, nation, and world.

Referred to as the “Hub City” because it serves as the educational, cultural, economic, and health care hub of the South Plains region, Lubbock boasts a diverse population and a strong connection to community, history, and land. With a mild climate, highly rated public schools, and a low cost of living, Lubbock is a family-friendly community that is ranked as one of the best places to live in Texas. Lubbock is home to a celebrated and ever-evolving music scene, a vibrant arts community, and is within driving distance of Dallas, Austin, Santa Fe, and other major metropolitan cities. [Lubbock's Convention & Visitors Bureau](#) provides a comprehensive overview of the Lubbock community and its resources, programs, events, and histories.

About the College:

The Whitacre College of Engineering at Texas Tech University comprises seven academic departments: Electrical & Computer, Chemical, Civil & Environmental & Construction, Industrial & Manufacturing & Systems, Mechanical, Petroleum, and Computer Science. It offers over thirty degree-programs to nearly 6,600 students, including more than 1,300 graduate students. Research funding has seen significant growth, with awards totaling \$60 million in 2025. The college's major research strengths include pulsed power and power electronics, microscale and nanoscale devices and semiconductor materials, wind science & engineering, medical imaging, bioengineering, energetics, intelligent software systems, and polymer materials.

About the Department/School/Area:

The Department of Electrical and Computer Engineering at Texas Tech University is comprised of 29 tenure-track and tenured faculty members, 11 part-time instructors, and 14 full-time staff. In 2025, the department's faculty were awarded over \$23M in research funding. The department's faculty also lead three research centers: Pulsed Power & Power Electronics, Nanophotonics, and NanoTech.

Among the faculty are 5 fellows of the IEEE, American Physical Society (APS), or Institute of Physics (IOP), 3 fellows of the American Association for the Advancement of Science (AAAS), 3 fellows of the National Association of Inventors (NAI), 1 Fellow of the American Institute for Medical Imaging and Biological Engineering (AIMBE), 3 Paul Whitfield Horn Professors, 7 recipients of the NSF CAREER and/or DoD YIP award, and 5 endowed chair holders.

The department is home to over 960 undergraduate students, complemented by about 140 graduate

students. For the 2025-2026 academic year, the department awarded the following degrees: 11 PhD, 32 MS, 91 BS in Electrical Engineering, and 64 BS in Computer Engineering. The department is very fortunate to have total endowments of more than \$8.5M for student scholarships. Through 4 semesters of lab courses taught in state-of-the-art laboratories, including the Evelyn M. Davies Undergraduate Lab, the undergraduate students learn real world electrical and computer engineering applications that can be used to further educational goals or in industry.

Position Description:

The Department of Electrical and Computer Engineering in the College of Engineering at Texas Tech University invites applications for a full-time, 9-month, tenure-track, open-rank (Assistant/Associate/Full Professor) Faculty position in Cybersecurity to begin January 16, 2027.

This position is designated as involving access to critical infrastructure systems, as defined by Texas Executive Order GA-48. As such, candidates must successfully complete a comprehensive background check prior to employment. Employees are required to comply with all applicable state and federal regulations related to the protection of critical infrastructure. Ongoing employment is dependent upon maintaining eligibility for access and successfully passing periodic security and compliance reviews.

All prospective employees are encouraged to visit [Work at Texas Tech](#) to learn more about becoming a part of our campus community.

Major/Essential Functions:

In line with TTU's strategic priorities to engage and empower a dynamic student body, enable innovative research and creative activities, and transform lives and communities through outreach and engaged scholarship, applicants should have experience working with a breadth of student populations at the undergraduate and/or graduate levels within individual or across the areas of teaching, research/creative activity, and service.

As a faculty member in the Department of Electrical and Computer Engineering, you will be expected to:

1. Contribute to the teaching and research mission of the department.
2. Mentor graduate students.
3. Develop a record of peer-reviewed/funded research.
4. Provide service to the department, college, and university.

Required Qualifications:

1. Doctorate in Electrical and/or Computer Engineering or closely related field, obtained by position start date.
2. Experience of teaching existing undergraduate and graduate courses and of developing new courses or a record that demonstrates experience in both areas. Teaching experience as a graduate student may be considered.
3. Record of securing extramural funding, scholarly publications, collaborations, and training of students, all related to building a strong and resilient research program in the area(s) of AI-enabled Cyber Security, Cyber Physical Systems, Power System Security, Cryptography, or IT Security.
4. Evidence of service to the department, college, and university, including working with diverse student populations and first-generation students.

Preferred Qualifications:

Expertise in the area(s) of AI-enabled Cyber Security, Cyber Physical Systems, Power System Security, Cryptography, or IT Security as evidenced by external funding and publications commensurate with career level.

Safety Information:

Adherence to robust safety practices and compliance with all applicable health and safety regulations are responsibilities of all TTU employees.

Equal Opportunity Statement:

The University does not tolerate discrimination or harassment of any employee or applicant for employment because of sex, race, color, national origin, religion, age, disability, protected veteran status, genetic information, or any other legally protected category, class, or characteristic.

Special Instructions to Applicants:

Please include the following documents in your application:

1. Curriculum Vitae
2. Cover Letter
3. Research Statement
4. Teaching Statement
5. Minimum of 3 Professional References

Questions about this position should be directed to Dr. Michael Giesselmann, Search Committee Chair at michael.giesselmann@ttu.edu. If you need assistance with the application process, contact Human Resources, Talent Acquisition at hrs.recruiting@ttu.edu or 806-742-3851.

Application Process

The deadline to submit applications is August 31, 2026.

To ensure full consideration, please complete an online application at: <https://www.texastech.edu/careers/Requisition#45042BR>