

Assistant Professor - Geospatial Information Sciences with a Specialization in Crime/Violence Analysis and Mapping

Position Description

The Geospatial Information Sciences (GIS) Program at the University of Texas at Dallas is seeking applications for a full-time, nine-month, tenure-track Assistant Professor position in GIS, specializing in Crime/Violence Analysis and Mapping. We are looking for a dynamic and innovative scholar to advance GIS and its applications in criminology, criminal justice, and policing through collaborative research, teaching, and service.

The successful candidate will conduct high-impact research integrating GIS with crime, policing and violence studies, addressing critical social, economic, and security challenges. Research areas may involve but are not limited to analysis of crime patterns, series, and trends; big data and GeoAI assisted crime modeling and prediction; optimization for efficient policing resource deployment; identification, prevention, and intervention in potential violence; proactive and targeted investigation of terrorists; hotspot geographical profiling, spatial link analysis, evaluation of policing effectiveness, and other spatiotemporal analytics approaches. Teaching responsibilities will include developing and delivering courses at both undergraduate and graduate levels in GIS, GIS applications in criminology, geospatial intelligence, spatial statistics and analysis, and related subjects. The candidate should also foster interdisciplinary collaborations with faculty in the Criminology and Criminal Justice Program and engage with the law enforcement community in research and teaching.

The appointment commences for the fall 2025 semester.

Qualifications

Minimum Education and Experience. A PhD or equivalent in GIScience, geography, criminology, criminal justice, or a closely related field is required prior to employment; those with ABD status will be considered at the application/interviewing stage. Candidates are expected to demonstrate the ability to work effectively in a highly collaborative, engaging, and dynamic environment comprised of individuals with a range of backgrounds, skills, and perspectives. We are seeking candidates able to produce research and scholarly or creative achievements that enhance the program and the discipline, and able to deliver high quality teaching using evidence-based practices to effectively engage students from a range of backgrounds and experiences.

Preferred Education and Experience: Experience with advanced GIS technologies, such as spatial data science, machine learning, and AI, is preferred and a demonstrated ability to secure external research funding.

The School and the Program

The School of Economic, Political and Policy Sciences (EPPS) at UT Dallas is a national leader in research addressing critical social, political, and economic issues. Our graduates work in government, nonprofits, and the private sector, with many pursuing advanced degrees that prepare them for leadership roles in advancing positive change on the local, national, and global level. The School of Economic, Political, and Policy Sciences, which houses the Geospatial Information Sciences Program, has a long tradition of fostering interdisciplinary research.

The Geospatial Information Sciences program at the University of Texas at Dallas is a nationally recognized program offering bachelor's, master's, and Ph.D. degrees, as well as several Graduate Certificates. With world-renowned faculty specialized in spatial statistics, spatiotemporal analysis, remote sensing, and geocomputation, it is designated as one institution of the Esri Innovation Program and one of 20 USGIF Accredited Academic Programs of the US Geospatial Intelligence Foundation.

For more information, please consult the School's web site at: <http://epps.utdallas.edu>, and the Program's website at <https://epps.utdallas.edu/about/programs/geospatial-information-sciences/>.

Application Instructions

Applicants should upload the following via the online application:

- Full curriculum vitae and cover letter summarizing their interests and qualifications for the position.
- Statement of teaching philosophy describing their conceptualizations of teaching and learning, and teaching and assessment methods, and how their teaching practices will engage students from a range of backgrounds and experiences.
- Full contact information for at least three academic or professional references.

Reviews will commence as completed applications are received and will continue until the position is filled or the search is closed on November 15, 2024. Priority will be given to completed applications received by October 15, 2024.

The University and Community

UT Dallas is a top public research university located in one of the nation's fastest-growing metropolitan regions. Our seven schools offer more than 140 undergraduate and graduate programs, plus professional certificates and fast-track programs. Our student body is 31,000 strong, reflecting students from over 100 countries and a multiplicity of identities and experiences. Over 65% of our undergraduate students receive some form of need- or merit-based financial aid; and 66% of graduating seniors have no student debt compared to 48% in Texas and 32% in the nation (2021 TICAS report).

UT Dallas is committed to graduating well-rounded members of the global community whose education has prepared them for rewarding lives and productive careers in a constantly changing world. A diversity of people, ideas, and perspectives is crucial to our vision and mission. UT

Dallas is a place where members of the community from all backgrounds are welcomed, treated fairly, and encouraged in their pursuit of excellence.

The University has a variety of programs and initiatives to support engagement and success for all members of the campus community. Employee benefits include a range of physical and mental wellness resources. “LilyPad” lactation facilities are located throughout the campus. There are several Employee Resource Groups (ERGs) comprised of individuals who share common interests to help build community among UT Dallas faculty and staff (e.g., Universal Access ERG, Military and Veteran ERG, UT Dallas Young Professionals).

Rich with visual and performing arts venues, museum districts, professional and semi-professional athletics teams, botanical gardens, accessible trails and so much more, the Dallas-Fort Worth (DFW) metroplex has something for everyone to explore. UT Dallas partners with regional higher education institutions and school districts and with the **Richardson Innovation Quarter** (Richardson IQ), a major hub for innovation, entrepreneurship, and educational activities.

Equal Employment Opportunity/Affirmative Action

The University of Texas at Dallas is committed to providing an educational, living and working environment that is welcoming, respectful and inclusive of all members of the university community. The University [prohibits unlawful discrimination](#) against a person because of their race, color, religion, sex (including pregnancy), sexual orientation, gender identity, gender expression, national origin, age, disability, genetic information, or veteran status.

The University of Texas at Dallas is an [equal opportunity/affirmative action](#) university.