Texas State University Capability Statement

Institution: **Texas State University**
URL: https://www.txstate.edu/

DUNS No: **074602368** Cage Code: **3JGQ3**
NAICS ID(s): **611310, 611710, 611699, 115210, 112111, 130** SIC: **8221, 8299**
Federal EIN No: **00-0000000746002248**

Certificates, Registrations, Accreditations: ***SACSCOC, ABET, Association of Technology, Management, and Applied Engineering; Council for the Accreditation of Educator Preparation***

POC Information: **Dr. Michael Blanda,**
Acting Associate Vice President of Research & Federal Relations

Address: 601 University Drive, San Marcos, TX 78666
Tel: (512) 245-2314 E-mail: blanda@txstate.edu

OVERVIEW

Texas State University is a doctoral-granting, student-centered institution dedicated to excellence and innovation in teaching, research, including creative expression, and service. The university strives to create new knowledge, to embrace a diversity of people and ideas, to foster cultural and economic development, and to prepare its graduates to participate fully and freely as citizens of Texas, the nation, and the world. Our drive for research excellence is evident in a number of new initiatives that promote undergraduate, graduate, and faculty research endeavors while building upon strong existing support for research and creative scholarly activities. Texas State University has a total enrollment of more than 38,000 students. The University has a strong commitment to promote diversity and foster an inclusive environment at all levels of the research training environment. Texas State was designated as a Hispanic Serving Institution (HSI) by the U.S. Department of Education in 2011 and over 50% of undergraduate students are underrepresented minorities.

RESEARCH CAPABILITIES

Texas State University is home to active researchers and a wealth of different projects in all fields, especially excelling in applied research that impacts state and national needs. Areas of impact include powering innovation, teaching and lifelong learning, resilient societies, translational health, and environmental stewardship. These projects illuminate examples of major activities within interdisciplinary and overlapping areas of impact:

- **Education Research:** Workforce Development & Training, STEM Education, Autism Research, Adolescent Parenting, Learning with AR/VR
- **Biomedical Research:** Biometric Analytics, Cancer research, Genomics, Proteomics, Melanoma
- **Materials Science and Engineering:** Materials Applications Research Center, Connected Infrastructure, Materials with Artificial Intelligence; Nanomaterials
- **Mathematics/Computer Science:** Harnessing Big Data, Mathematics Education, Eye Tracking
- **Environmental Science:** Microgravity Environment of Space, Wildlife Conservation, Ecology, Climate Change, Water, Remote Sensing; Energy Storage and Conversion; Food Insecurity; Drone Technology

- **Health Disparities:** Translational Health Research Center, Resilient Communities, Prescription Drug Abuse, Farmer Suicide Prevention, multidisciplinary healthcare
- **Public Safety:** First Responder Training, School Safety, Court Justice Training, Artificial Intelligence Cybersecurity

PARTNERSHIPS AND FACILITIES

Texas State's location within the Texas Innovation Corridor fosters a multitude of connections and collaborative partners among industries and individuals in technical, entrepreneurial and creative fields. Texas State University boasts a 'High Research Activity' Carnegie classification with 33 research centers and institutes in addition to 4 libraries. Texas State supports a number of core facilities and technology resources that support research and can enhance the training of undergraduate students. At the University level, core facilities include: High Performance Computing Cluster, Microscopy, Spectroscopy, Epitaxy, Electrical Characterization, Comparative Research Facility, Shared Research Operations, Maker Spaces, Clean Room, and Advanced Prototyping. Some of the major funding partners have included NASA, NSF, Northwestern University, Texas Department of State Health Services, Texas Parks and Wildlife Department, Tulane University, US Department of Agriculture, US Department of Defense, US Fish and Wildlife Service, US Geological Survey, and Yale University.

PAST PERFORMANCE

In FY 2020, Texas State faculty earned and led 285 grants, 15 NSF CAREER awards, and 500 independently sponsored research projects. Texas State's past performance includes over $266 million in research expenditures and reported funded projects between 2014-2018. Major projects include, but not limited to:

- **LBJ Institute for STEM Education and Research** delivers NASA EPDC - a national STEM engagement and educator professional development cooperative agreement in partnership with NASA to service K-16 STEM educators and their students across the country. Integrated programming include self-paced online learning (digital badging), online guided home-based STEM exploration of NASA content (Quickbits), face-to-face workshops and conference presentations, and on-site educational specialist support at each of the NASA Centers.
- **Master Agreement with Jacobs Technology** to provide Engineering, Technical and Science support for NASA related projects.
- **ALERRT** (Active Shooter Response Training for First Responders) - In 2013, ALERRT at Texas State was named the National Standard in Active Shooter Response Training by the FBI.
- **The Texas School Safety Center** serves as a clearinghouse for the dissemination of safety and security information through research, training, and technical assistance for K-12 schools and junior colleges throughout the state of Texas.