



## RESEARCH

UTSA's research efforts span numerous disciplines and our research enterprise is committed to inquiry and discovery that benefits society at large while providing transformational experiences for students.

### RESEARCH PILLARS

UTSA performs leading-edge research in a wide variety of disciplines. The university has chosen to exert particular research focus on the specific foundational pillars shown below in which UTSA possesses leading expertise. Work in these strategic areas will be critical to state and national planning, governance, infrastructure and technology development — as well as societal security and well-being. Through research collaboration and external partnerships, the university will continue to maximize its societal impact in these and other fields.

#### Cyber

- » Cloud
- » Cybersecurity
- » Data science
- » Artificial intelligence

#### Health

- » Brain health
- » Neuroengineering
- » Bioregeneration
- » Infectious disease
- » Population studies

#### Fundamental futures

- » Earth and space sciences
- » Materials
- » National security
- » Smart infrastructure

#### Social-economic transformation

- » Career-engaged education
- » Disparities
- » Entrepreneurship
- » Human development

### HIGHLIGHTS

#### R1 STATUS

UTSA's Carnegie research designation

#### \$140M

Total R&D expenditures

#### \$68M

Restricted R&D expenditures

#### \$58M

National Research University Fund expenditures

#### \$168M

Value of 376 new awards received

*Fiscal Year 2021 Data*

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## TOTAL RESEARCH CENTERS & INSTITUTES



### RESEARCH CENTERS AND INSTITUTES

- » Academy for Teacher Excellence
- » Bank of America Child and Adolescent Policy Research Institute
- » Brain Health Consortium
- » Center for Advanced Manufacturing and Lean Systems
- » Center for Advanced Measurements in Extreme Environments
- » Center for Archaeological Research
- » Center for Community Based and Applied Health Research
- » Center for Cultural Sustainability
- » Center for Excellence in Engineering Education Research
- » Center for Infrastructure Assurance and Security
- » Center for Innovative Drug Discovery
- » Center for Research and Training in the Sciences
- » Center for Urban and Regional Planning Research
- » Cyber Center for Security and Analytics
- » Cybersecurity Manufacturing Innovation Institute
- » Institute for Cyber Security
- » Institute for Demographic and Socioeconomic Research
- » Institute for Health Disparities Research
- » Institute of Regenerative Medicine
- » Institute for Water Research, Sustainability and Policy
- » MATRIX AI Consortium for Human Well-Being
- » National Security Collaboration Center
- » UTSA Neurosciences Institute
- » Open Cloud Institute
- » San Antonio Cellular Therapeutics Institute
- » Sustainable Pervasive Urban Resilience
- » South Texas Center for Emerging Infectious Diseases
- » Texas Sustainable Energy Research Institute
- » Urban Education Institute
- » UTSA Policy Studies Center
- » UTSA Mexico Center
- » Women's Studies Institute

### FEDERAL GRANTS

UTSA received several million-dollar federal grants in 2021, which help propel our research in:

- » Advanced Manufacturing
- » Brain Health
- » Social Justice
- » Cybersecurity Education
- » Biomedical Engineering
- » Small Business Development
- » Economic Disparities