BECOMING A GREAT PUBLIC RESEARCH UNIVERSITY

POSITIONING SAN ANTONIO FOR A BOLD FUTURE

Taylor Eighmy, UTSA President
What has made our universities the greatest in the world is not the quality of our undergraduate education, but the PRODUCTION OF NEW KNOWLEDGE through the discoveries that change our lives and the world.

Jonathan R. Cole
Columbia University
There are approximately 5,000 institutions of higher education in the United States and, of these, roughly 150, both public and private, are classified as “research extensive”... **THESE ARE THE INSTITUTIONS THAT INCREASINGLY FUEL THE NATIONAL ECONOMY** by producing leaders in all sectors of academia, business, industry, and government, and through perpetual innovation in products and processes.

*The Future of the Research University*  
*Kauffman Foundation*
UTSA’S TRAJECTORY

WAYPOINTS

R1
Carnegie’s highest research classification
✓ DEC 2021

NRUF
Tier One in the State of Texas
✓ MAY 2022

AAU Equivalent
Nation’s most prestigious research institutions
We are in dire need of **A COMPLETELY DIFFERENT APPROACH TO ASSESSING INSTITUTIONS OF HIGHER EDUCATION.** Instead of prioritizing reputation and selectivity, we propose a new rating system... that attempts to answer the question: ‘If the primary purpose of postsecondary education is supposed to be to catalyze an increase in economic mobility, which schools are succeeding in that goal?’

Michael Itzkowitz
Third Way
The time has come to create a new definition of greatness in higher learning, one that honors the importance of research and scholarship while **REWARDING INSTITUTIONS THAT ADVANCE THE NATIONAL INTEREST** of helping students from diverse backgrounds earn high-quality college degrees.
UTSA’S PLANNED TRAJECTORY
A NEW MODEL

R1
Carnegie’s highest research classification
✓ DEC 2021

NRUF
Tier One in the State of Texas
✓ MAY 2022

HSRU
Alliance of nation’s most prestigious ‘new’ research Institutions
✓ JUNE 2022
METRO AREAS
WITH R1 INSTITUTIONS

- Seattle (1)
- Bay Area (4)
- Denver (3)
- Phoenix (1)
- Austin (1)
- DFW (3)
- Houston (2)
- Kansas City (1)
- Nashville (1)
- Atlanta (3)
- Charlotte (1)
- Charlotte (1)
- NYC (4)
- Washington (3)
- Boston (7)
As jobs become more knowledge-driven, the universities produce not only the research that can lead to the creation of new companies and industries in the Greater Boston area, but the ability to **DELIVER A WORKFORCE EDUCATED IN EMERGING TECHNOLOGIES.**
UTSA’S
FIVE
CAMPUSSES
Inspiring and preparing a generation of diverse data scientists who can make our world more equitable, informed and secure
FIRST OF ITS KIND IN TEXAS
SCHOOL OF DATA SCIENCE
Radical Innovation in Data Generation, Engineering, Analysis, and Protection

Application Domains

Interdisciplinary Methods

Federal Agency Synergy - NSCC
NATIONAL SECURITY COLLABORATION CENTER

Catalyzing government-university-industry R&D collaboration in our national security ecosystem
Joint Base San Antonio, largest joint base in the United States
16th Air Force, global cyber operational wing for entire Air Force
NSA Texas, the largest National Security Agency hub outside of Washington, D.C.

- Many other Department of Defense, national security and cybersecurity agencies (DHS, FBI, NSA, USSS)
- 2,725 defense contractors and $6B in defense contracts and personnel spending in 2019
- New Cybersecurity Manufacturing Innovation Institute - Department of Energy investing $111M 2020-25
NATIONAL SECURITY COLLABORATION CENTER

A. Tesoro Corp. (Endeavor)
   - Cisco Systems
   - M2 Technology
   - STS Systems Integration
   - JBSA Camp Bullis

B. Southwest Research Institute Inc.
   - National Security Agency (NSA) Texas
   - Raytheon
   - Mitre Corp
   - Sierra Nevada Corp

C. Huntington Ingalls Industries
   - Jacobs Engineering Group
   - The Parsons Group
   - Department of Homeland Security
     - Region 6
     - US Secret Service
   - MedTrust LLC
   - Deloitte

D. Leidos Holdings Inc.
   - KBR
   - Science Applications International Corp
   - JBSA Lackland Air Force Base
     - 16th Air Force
     - Joint Information Operations Warfare Center
     - 37th Training Wing

E. UTSA
   - School of Data Science
   - National Security Collaboration Center
   - CyManII
   - Honeywell International Inc
   - Valero Energy Corp.
   - FBI Field Office
   - Accenture Federal Services
   - Chenega Corp.
   - Fluor Marine Propulsion
   - CACI

F. JBSA Randolph Air Force Base
   - Headquarters
   - Air Education Training Command (AETC)
   - 12th Flying Training Wing

G. JBSA Fort Sam Houston
   - US Army North
   - US Army Installation Management Command
   - San Antonio Military Medical Center (SAMMC)
   - US Army Mission & Installation Contracting Command
   - Defense Health Agency

H. UTSA
   - School of Data Science
   - National Security Collaboration Center
   - CyManII

I. Honeywell International Inc
   - Jet Propulsion Laboratory
   - General Electric
   - Boeing

J. Southwestern Research Institute
   - National Security Agency (NSA) Texas
   - Raytheon
   - Mitre Corp
   - Sierra Nevada Corp

K. UTSA
   - School of Data Science
   - National Security Collaboration Center
   - CyManII

L. Honeywell International Inc
   - Jet Propulsion Laboratory
   - General Electric
   - Boeing

Future location of UTSA School of Data Science, National Security Collaboration Center and CyManII

(Other locations and organizations listed in the image include various companies and government agencies associated with the National Security Collaboration Center.)
Next-generation cybersecurity architecture for our nation’s manufacturers, one of 16 Manufacturing Innovation Institutes nationally
THANK YOU
SAN ANTONIO