



A Vision for UTSA's Downtown Campus

Dr. Taylor Eighmy
President, UTSA

February 3, 2021

VISION

1

UTSA Overview

“ UTSA is building the best data science program in the world. It will train the smartest students in the field and make them the hottest commodities in the workforce. ”

– *Graham Weston, San Antonio
Businessman and Developer*



*Proud Recipient of the
2020 Seal of Excelencia*



*Nationally Recognized
for Community Service*

FAST FACTS

UTSA

At a Glance

UTSA Established
1969

Enrollment
34,742

Degree Programs
165

Faculty
1,359

FY2020 R&D
Expenditures
\$134 million

Economic
Impact
\$2.4 billion

Alumni
137,424

Total Budget
\$623 million

Undergrads receiving
financial aid
74%

GOOD NEWS IN 2020

UTSA's Recent Accomplishments



Record High Enrollment

UTSA reached 34,742 students this fall, a 6.6% overall increase with 14.1% increase in graduate students



Significant Student Success Gains

Increases in first year retention, second year persistence, four- and six-year graduation in AY20



Recognized as a Leader in Hispanic Student Success

Awarded Excelencia in Education's prestigious Seal of Excelencia in October 2020



\$110M Partnership with U.S. Department of Energy & Partners

UTSA selected to lead the DOE \$70M Cybersecurity Manufacturing Innovation Institute



New Health-Focused College

New College for Health, Community & Policy is now UTSA's largest college with 20% of total student population



Bold Promise Program

1 in 5 UTSA freshman are Bold Promise recipients, covering 100% of tuition and fees for qualifying Texas students



COVID Business Recovery Accelerator

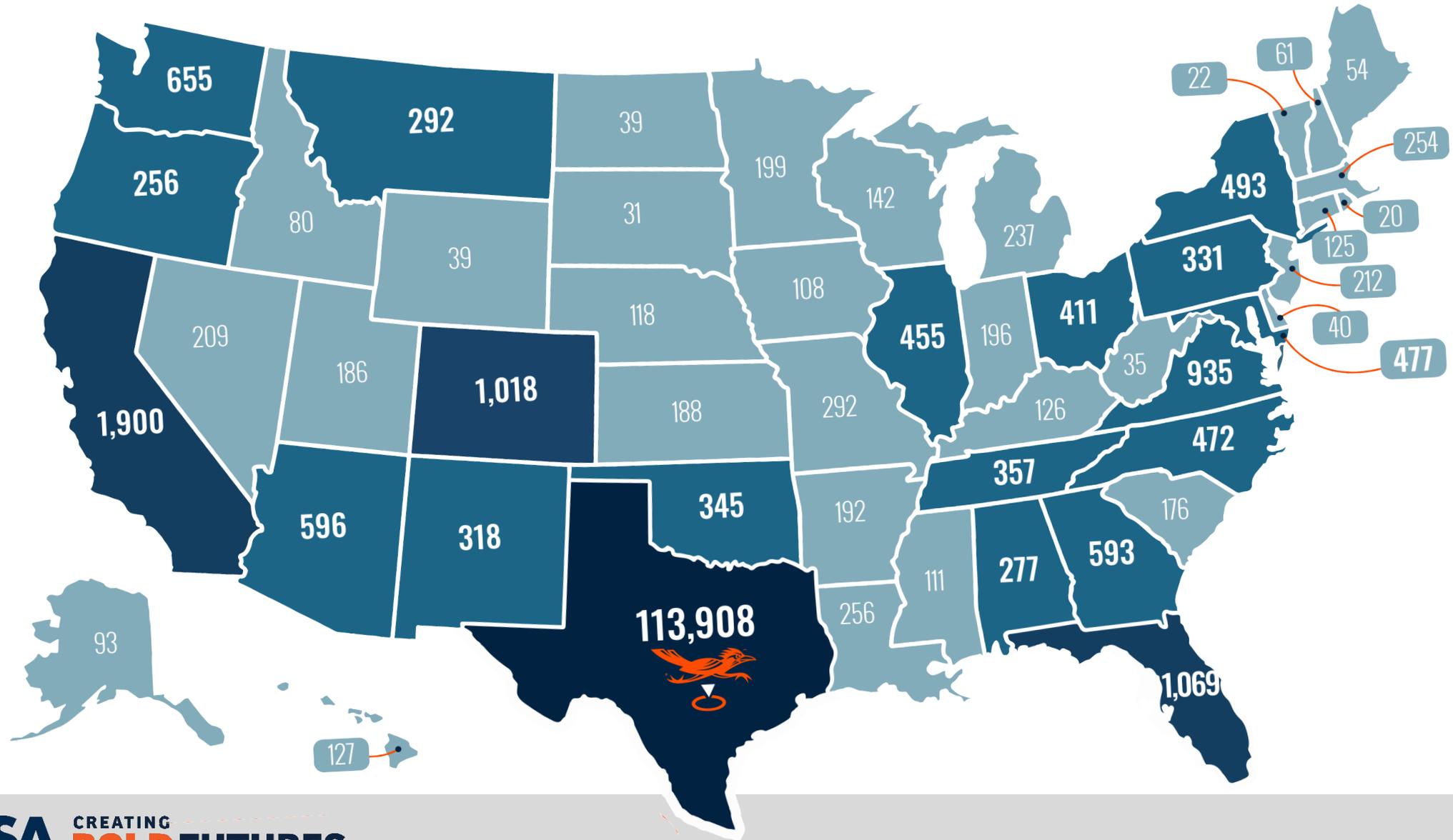
Helping entrepreneurs receive disaster-related assistance for their businesses, with over 11,800+ served

VISION

UTSA in 2028

<p>>>45,000 students</p>	<p>>2,000 faculty</p>	<p>>3,250 staff</p>	<p>4+ thriving campuses, with more under consideration</p>	<p>>3 million ft² new construction across campuses over prior decade</p>
<p>>>85% first-year retention rate</p>	<p>>>35% four-year graduation rate</p>	<p>>>60% six-year graduation rate</p>	<p>>75% of students have some form of experiential learning</p>	<p>6-8 areas of scholarly distinction</p>
<p>R1 Carnegie classification, with access to the National Research University Fund</p>	<p>>15 faculty in the national academies</p>	<p>>>\$1B annual budget</p>	<p>>>\$400M endowment</p>	<p>>\$300M in annual research expenditures</p>

UTSA Alumni *Where Roadrunners Roost*



VISION

Ten Year Strategic Plan Destinations

2018-2028

- 1 A model for student success
- 2 A great public research university
- 3 An exemplar for strategic growth and innovative excellence

DESTINATION ONE

A Model for Student Success

UTSA is a next generation Hispanic-thriving, multicultural institution where students from all backgrounds can excel. As a prosperity engine graduating world-engaged civic leaders of tomorrow, UTSA provides students with exceptional opportunities for experiential learning and classroom to career education.

DEMOGRAPHICS

Our Students

34,742

Fall 2020 Enrollment

29,963
undergraduate

4,779
graduate

REPRESENTING

91
countries

46
states

201
TX counties

45%
first-gen

77%
full-time

41%
Pell eligible

36%
transfer

14%
military affiliated

78%
work

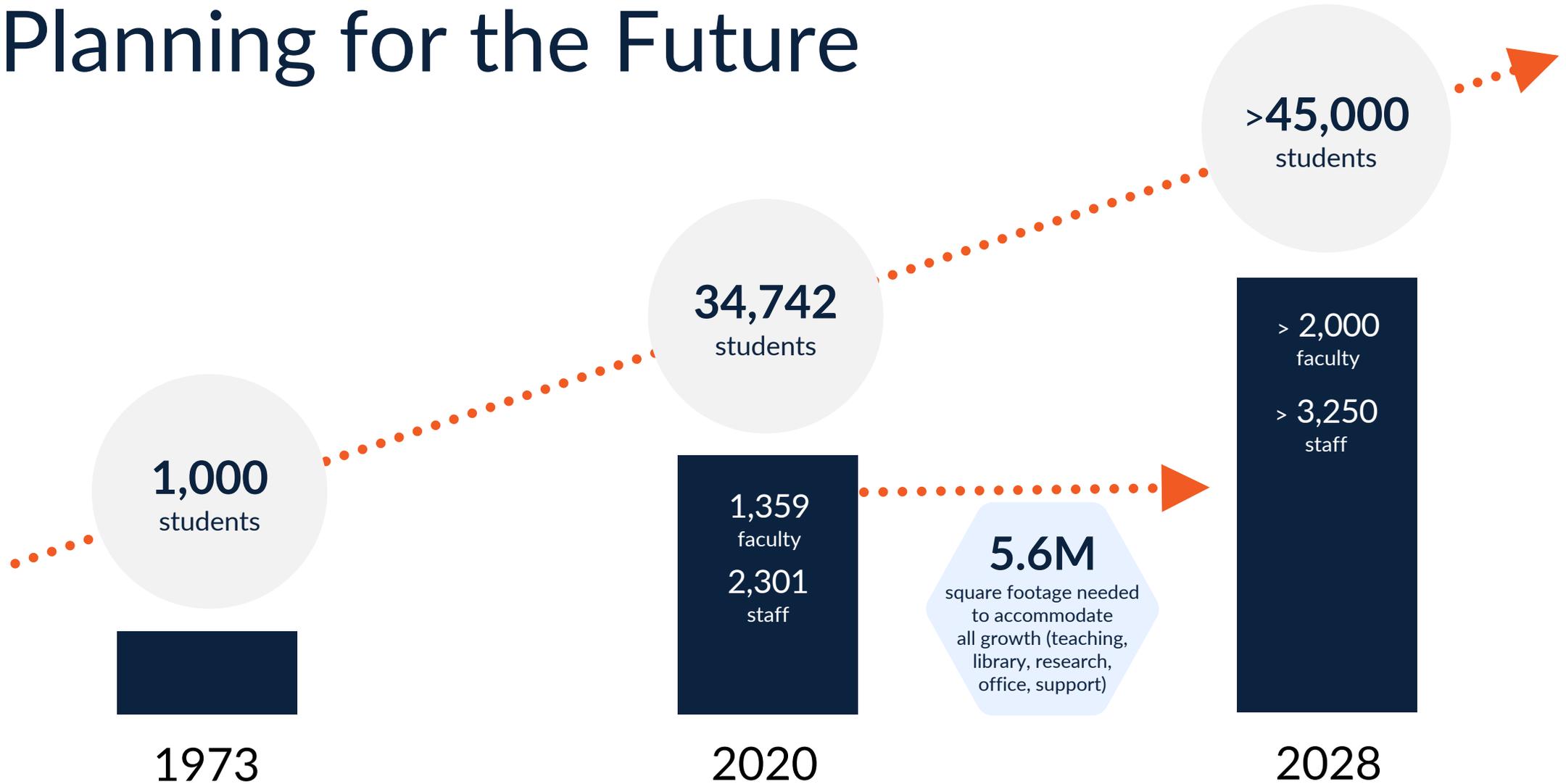
21%
work full-time

4.5 years
undergraduate
average time to
graduation

36%
non-traditional
undergraduates

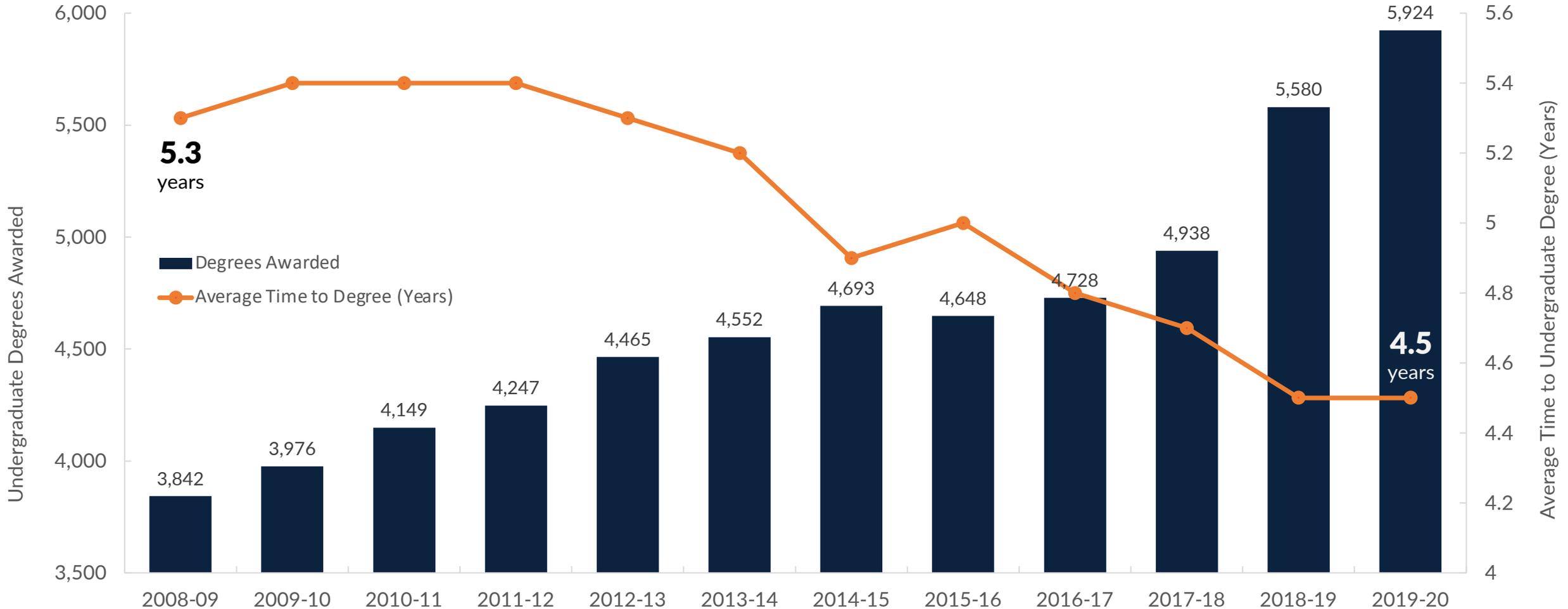
TARGETED GROWTH

Planning for the Future



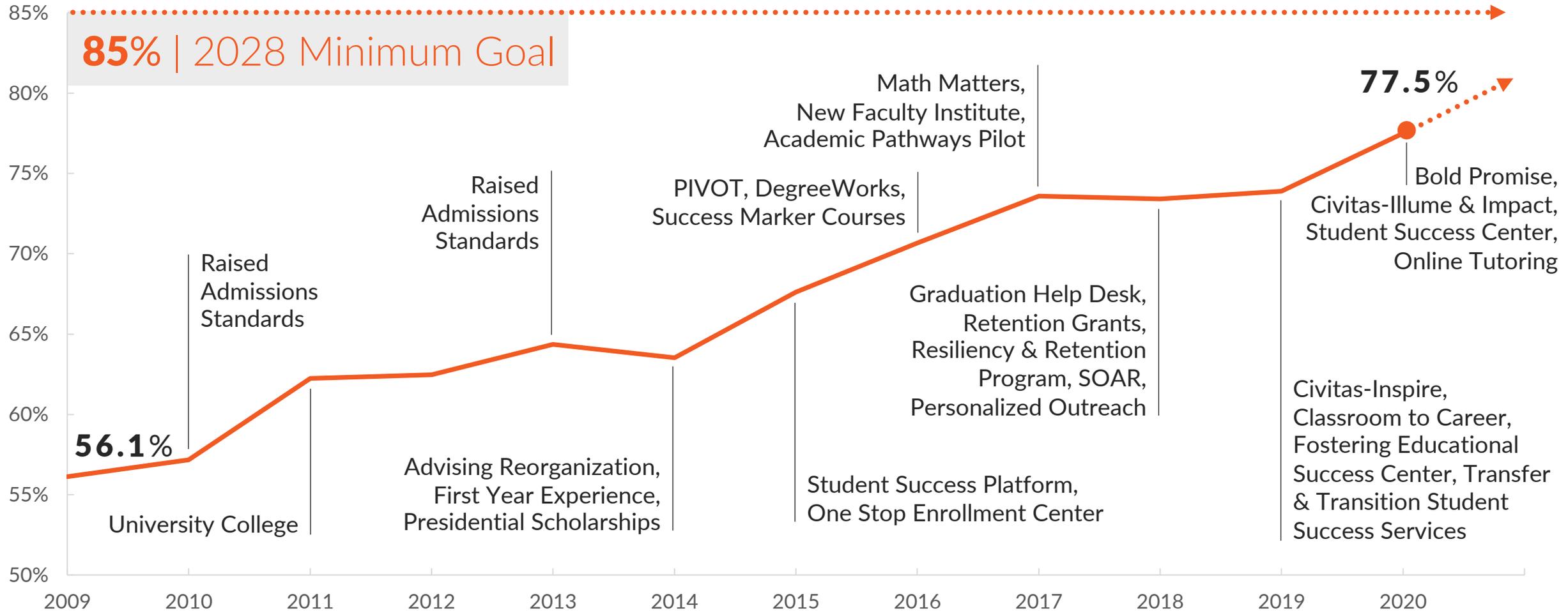
STUDENT SUCCESS

Undergraduate Degrees Awarded & Time to Degree



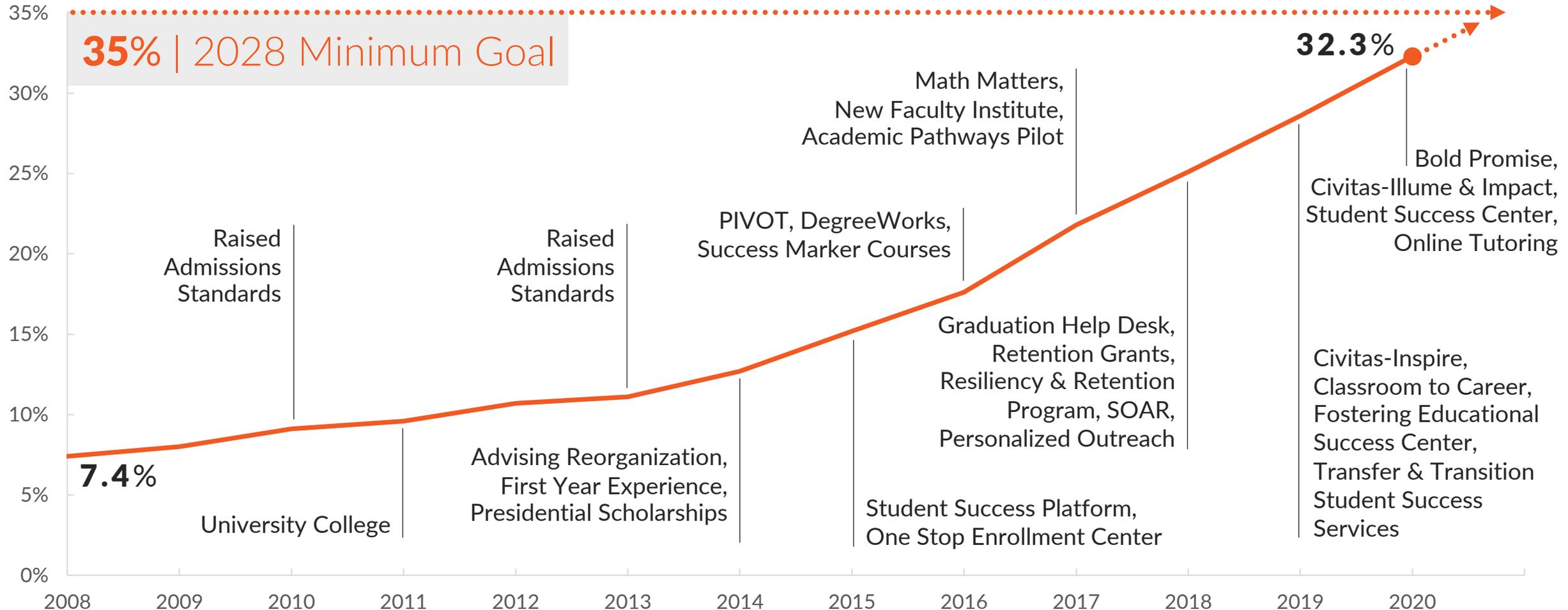
STUDENT SUCCESS

First-Year Retention



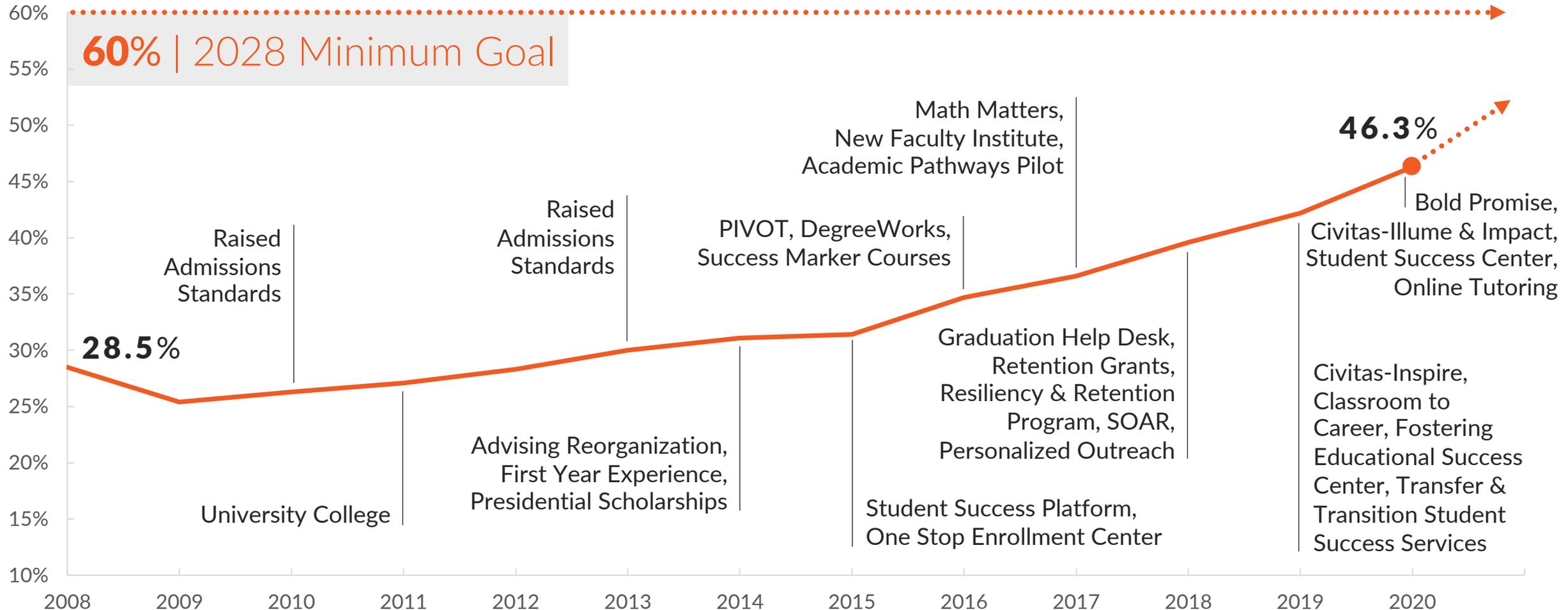
STUDENT SUCCESS

Four-Year Graduation Rates



STUDENT SUCCESS

Six-Year Graduation Rates

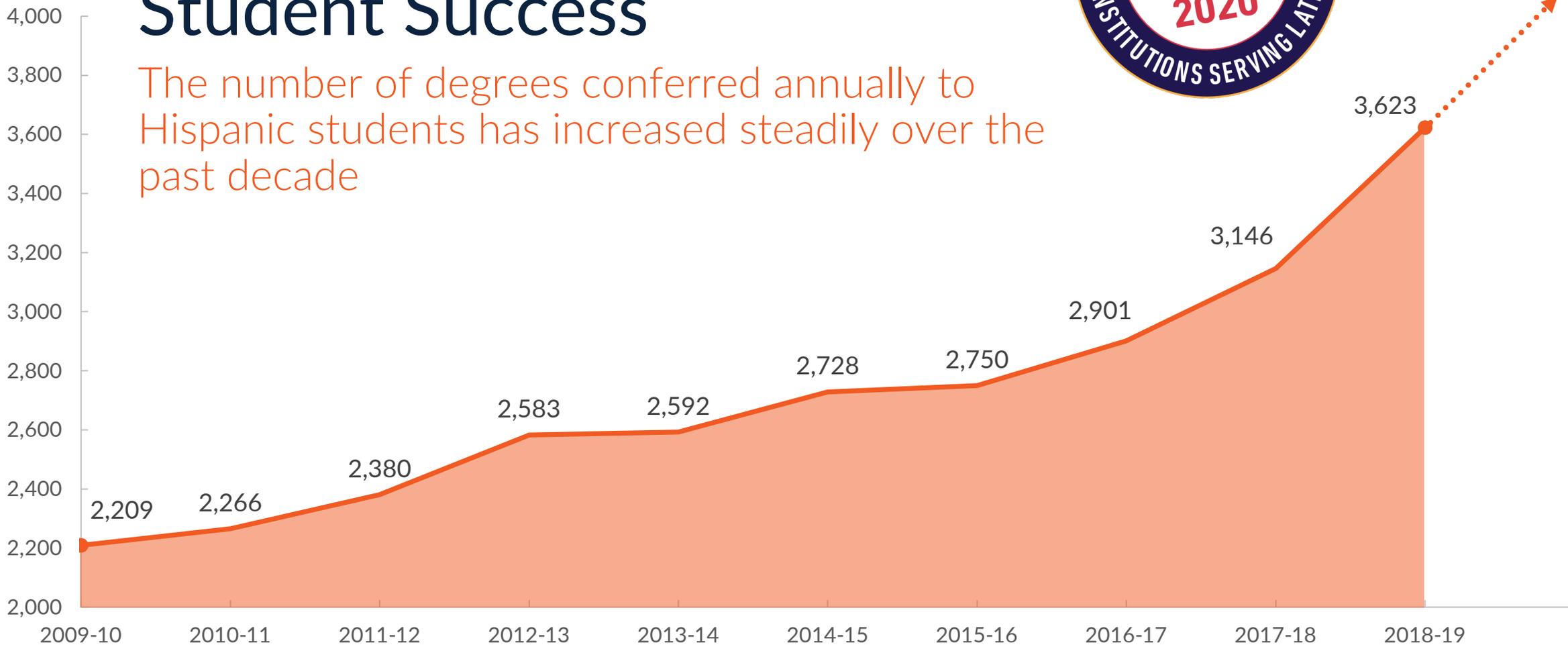


STUDENT SUCCESS

Leadership in Latino Student Success



The number of degrees conferred annually to Hispanic students has increased steadily over the past decade



Classroom to Career Initiative

Developing students' marketable skills and career readiness through experiential learning

- Applies didactic learning to real-world problems and in applied contexts
- Advances student success and retention
- Strengthens partnerships in the San Antonio community
- Goal: 75% of students participate in at least one experience before graduation

Career FUEL: Finding Understanding through Experiential Learning

- UTSA's Quality Enhancement Plan for reaffirmation of accreditation
- Enhances the availability and accessibility of internships, undergraduate research, and community engaged learning opportunities

STUDENT SUCCESS

New Harvey Najim Center for Innovation and Career Advancement

\$3 million gift

- Serves as a hub for students in all majors to develop career pathways and leverage experiential learning opportunities that hone their career readiness skills
- Helps students gain direct experience with issues affecting their community
- Supports interdisciplinary student teams in tackling industry problems to gain hands-on learning opportunities



Student Innovation & Entrepreneurship and CITE



Teaching entrepreneurial skill set to be applied in various ways. CITE (Center for Innovation, Technology, and Entrepreneurship) events include:

- Entrepreneur's Academy™
- Big Rowdy Idea Business Plan Competition
- \$100K Technology Venture Competition
- Draper Data Science Business Plan Competition (\$1M donation)



Foundation created in 2007, supported by Blackstone Group Inc. with a goal to increase access to entrepreneurship resources through creation of Blackstone Launchpad at institutions.

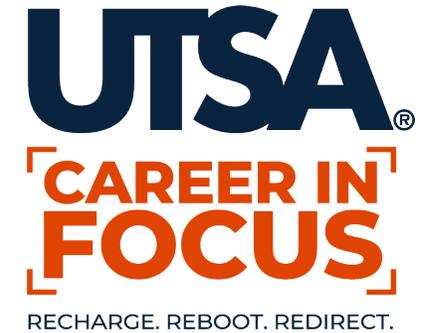
STUDENT SUCCESS

Career in Focus

A workforce initiative to support San Antonians in the face of unprecedented unemployment rates and financial insecurity

Served over **2,000** job-insecure San Antonians
May-August 2020

- Free and deeply discounted career advancement programs
- Participants earned skills-based digital badges or professional certificates
- Expanding to include recent UTSA graduates



DESTINATION TWO

A Great Public Research University

With a focus on driving San Antonio's knowledge economy, UTSA is an urban-serving university of the future living out the notion that great universities need great cities, and great cities need great universities. As a discovery enterprise on the fast track to attaining National Research University Fund eligibility and an R1 designation by the Carnegie Commission, UTSA is positioned to align with members of the prestigious Association of American Universities.

UTSA's Planned Trajectory

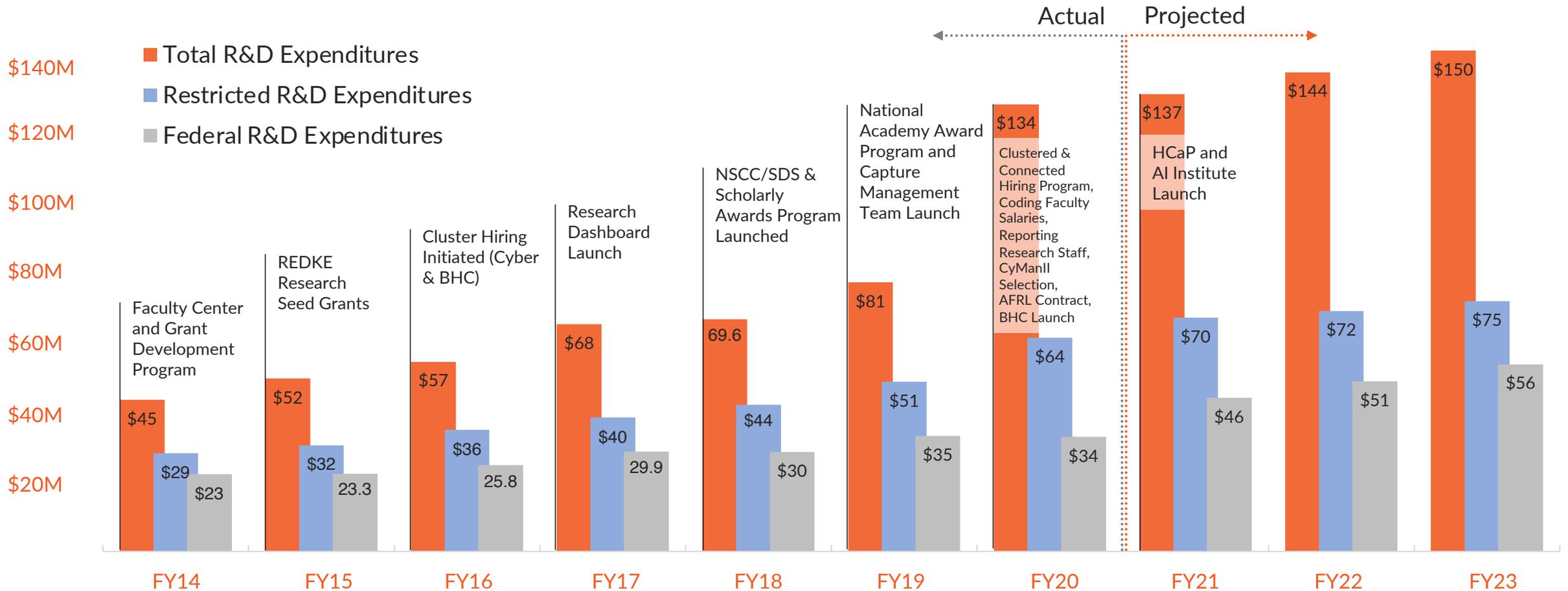


National Research University Fund Eligibility



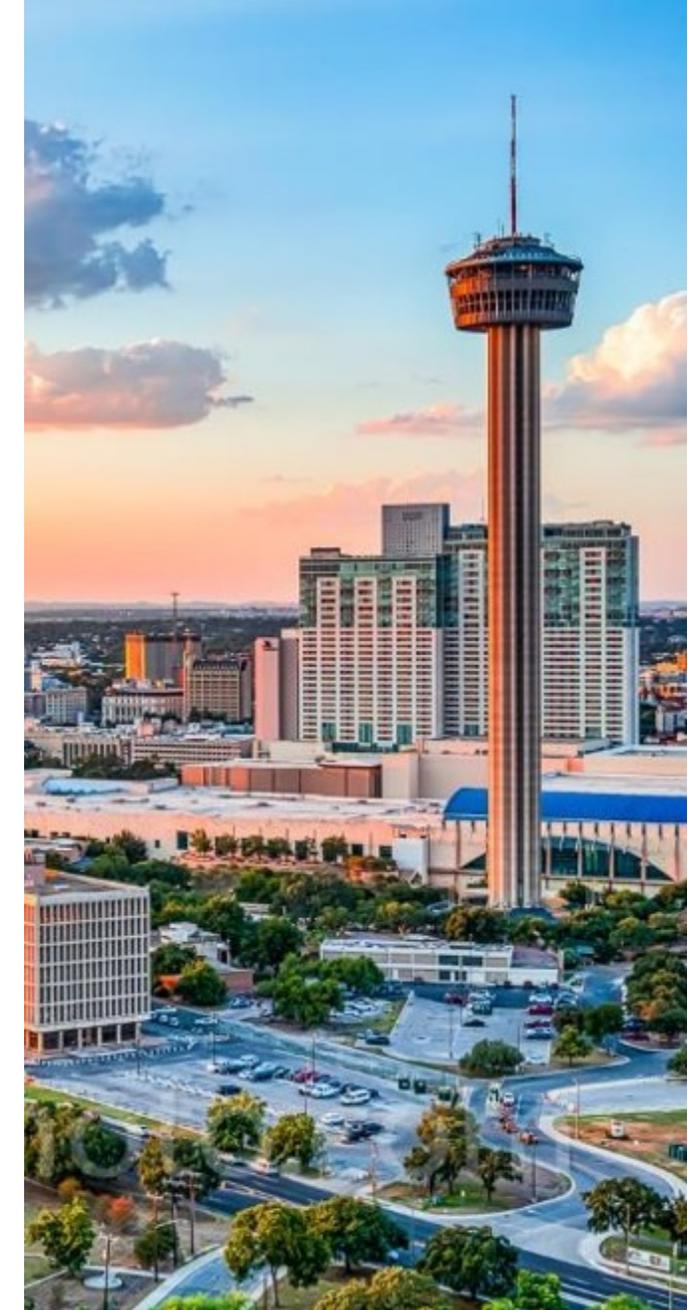
NRUF Criteria	FY2019 (Last NRUF Report April 2020)	FY2020 Actuals	FY2021 Targets
Restricted Research Expenditures (>\$45M)	\$44M	\$56.7M	\$59M
High Quality Faculty High Quality Graduate Education		Summer 2021 THECB Review of Dossiers Fall 2021 THECB Onsite Review Spring 2022 NRUF Audit Decision	
NRUF Criteria	FY2019 (Last NRUF Report)	FY2020 Actuals	FY2021 Targets
Freshmen Class w/High Academic Achievement (Top 25%)	59%	56%	> 50%
Phi Kappa Phi Member	Yes	Yes	Yes

Total, Restricted & Federal Expenditures



Faculty Hiring to Advance San Antonio Workforce and Innovation

- Human Performance
- Quantum Computing
- Social and Environmental Challenges in Latin America
- Artificial Intelligence
FY2019
- Analytics and Data Science
FY2018
- Cybersecurity
FY2017
- Brain Health
FY2016



An Exemplar for Strategic Growth and Innovative Excellence

UTSA will realize its full potential as a university by growing to become a more comprehensive institution. By focusing on nimbleness and continuous improvement, UTSA integrates innovative approaches and best practices to ensure goals align with operational processes. With a reputation as a great place to work, UTSA actively cultivates the excellence of its people.

STRATEGIC GROWTH & EXCELLENCE

Operational Excellence

Improving our processes, procedures, and enterprise systems to right-size administrative components and facilitate strategic growth



STRATEGIC GROWTH & EXCELLENCE

Incentivized Resource Management

Changing our approach to resource allocation and aligning budgets to the evolving mission and strategic priorities of the university while making the most efficient use of institutional funds



EXPLORING POTENTIAL MERGER AND
ACQUISITION

2

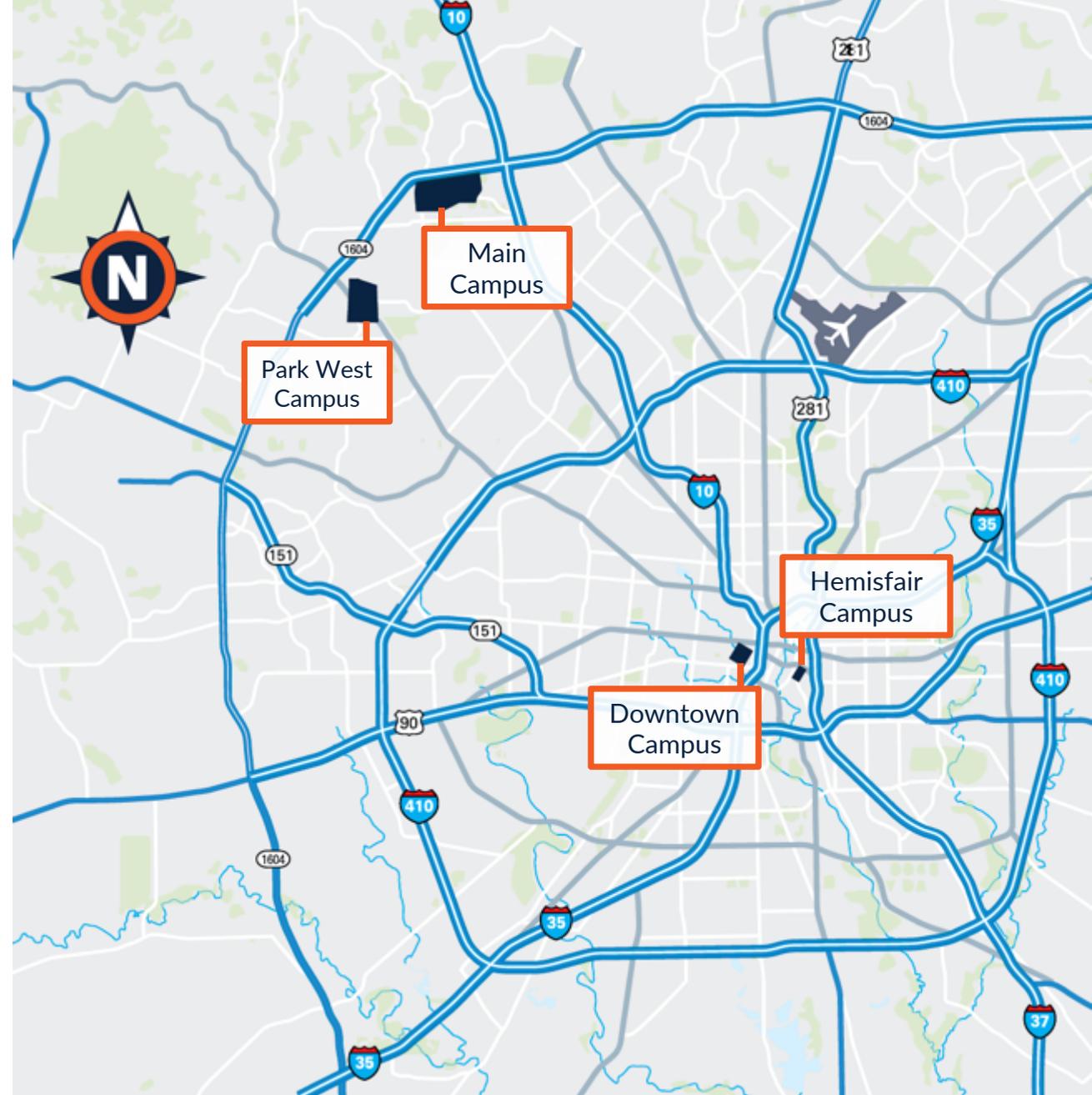
Campus Master Plan 2019

Guiding the development of UTSA's
campuses over the next decade



SAN ANTONIO

UTSA's Four Campuses



VISION

3

UTSA Downtown Campus



SCHOOL OF DATA SCIENCE & NATIONAL SECURITY COLLABORATION CENTER

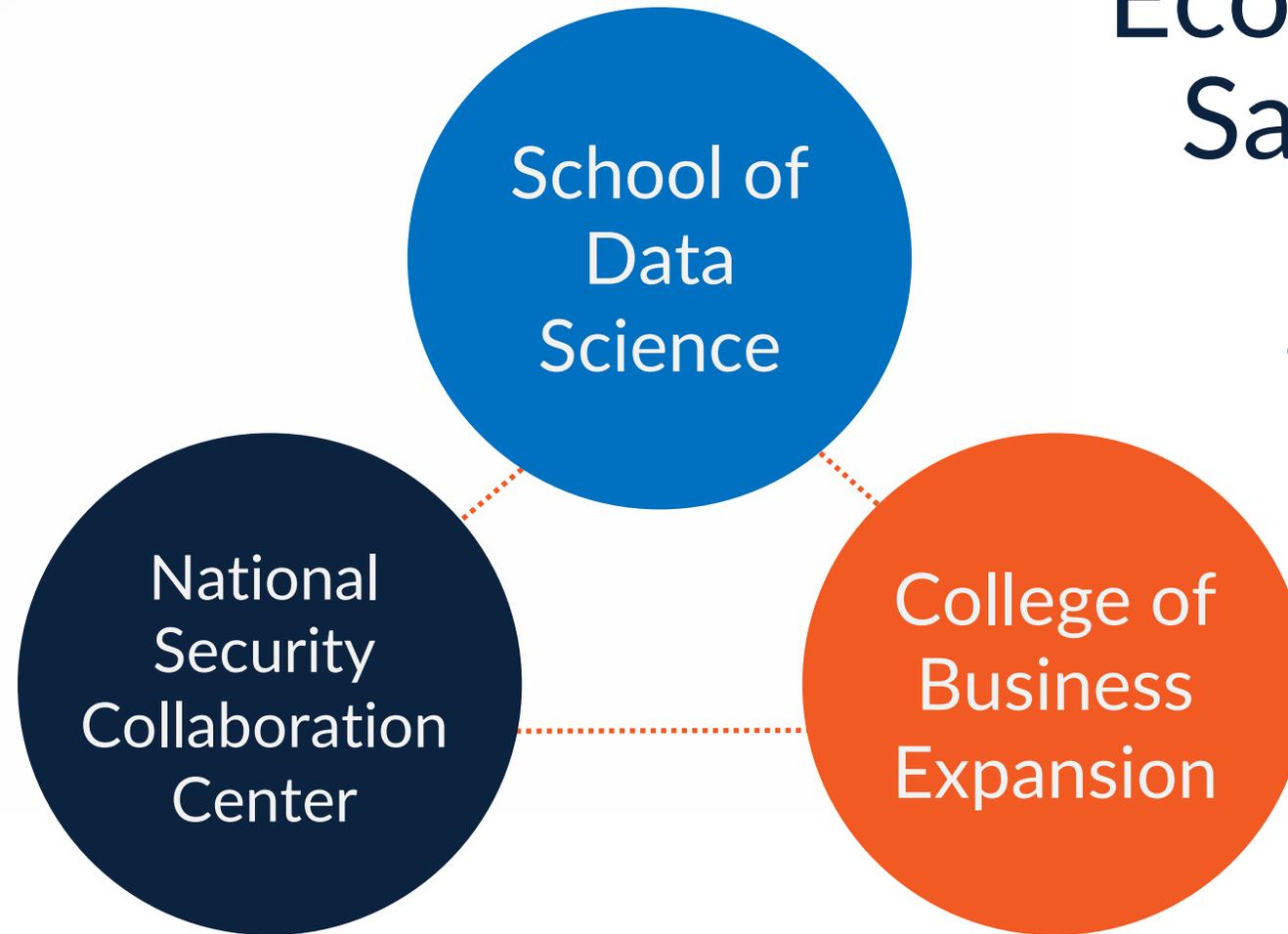
VIRTUAL GROUNDBREAKING

groundbreaking.utsa.edu

UTSA
CREATING
BOLD
FUTURES



Building a Data Intelligence Ecosystem for San Antonio, Texas, and the Nation





Innovation,
Entrepreneurship and
Careers Building

SDS/NSCC

UTSA DOWNTOWN CAMPUS

4

School of Data Science & National Security Collaboration Center



School of Data Science & National Security Collaboration Center



Meeting the Demand

Why data science?

High national workforce demand, low supply

Why is it important?

Data-driven decision making is no longer a luxury

Why now?

Fills the escalating void driven by lack of academic programs educating aspiring data scientists



DESIGNING A SCHOOL UNLIKE ANY OTHER

The First of its Kind in Texas

Expertise

100+ faculty members in cloud computing, data and analytics, cybersecurity and artificial intelligence

Federal Agency Synergy

Shared space with UTSA's new National Security Collaboration Center

Science + Engineering + Business =

radical innovation in data generation, management, analysis and protection

A NEW VISION TO ADVANCE THE FIELD OF DATA SCIENCE

Our Approach

Attracting

the best faculty
in the nation

Developing

Long-term strategic partnerships
with national tech leaders

Deepening

connections to San
Antonio's existing data
science community

Innovating

constantly to meet the
needs of the high
tech industry

Answering

the national call for a
highly skilled data
intelligence workforce

Cultivating

the next generation of thought
leaders in cybersecurity, cloud
computing, data analytics and AI

Recruiting

more talent and private
sector companies to San
Antonio

Modeling

best practices of urban
place making

Designing

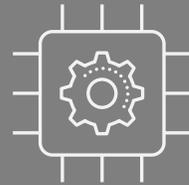
a world-class school unlike any other

SCHOOL OF DATA SCIENCE

Components



Computer Science



**Department of Statistics
and Data Science**



**Department
of Information Systems &
Cyber Security**



**The Center of Infrastructure
Assurance & Security**



Computer Engineering



**The Cyber Center for
Security and Analytics**



**The Open Cloud
Institute**



Health Analytics

Undergraduate Programming

Undergraduate Degrees

- BBA Actuarial Science
- BBA Cybersecurity
- BBA Information Systems
- BBA Management Science
- BS Computer Science
- BS Statistics and Data Science
- BS Multidisciplinary Studies – Data Science

Minors and certificates

- Adaptive Decision Models for Business
- Network and Data Center Management
- Business Analytics
- Pathogenic Outbreak Investigations
- Analytics

Exemplar coursework

- Data Analysis and Visualization
- Database Systems
- Data Science
- Artificial Intelligence
- Data Mining
- Large-Scale Data Management
- Bioinformatics and Big Data
- Computational Biology and Bioinformatics
- Advanced Topics: Deep Learning
- Cloud Computing
- Advanced Topics in Data Science

DATA SCIENCE CURRICULA AT UTSA

Graduate Programming

Graduate Degrees

- MA Economics – Business Data Analysis and Forecasting
- MS Computer Science – Data Science
- MS Data Analytics
- MS Information Technology
- MS Statistics and Data Science
- MSIT Cybersecurity
- PhD Applied Statistics
- PhD Information Technology – Cybersecurity
- PhD Information Technology – Data Analytics and Artificial Intelligence
- PhD Information Technology – Systems

Graduate certificate

- Cloud Computing

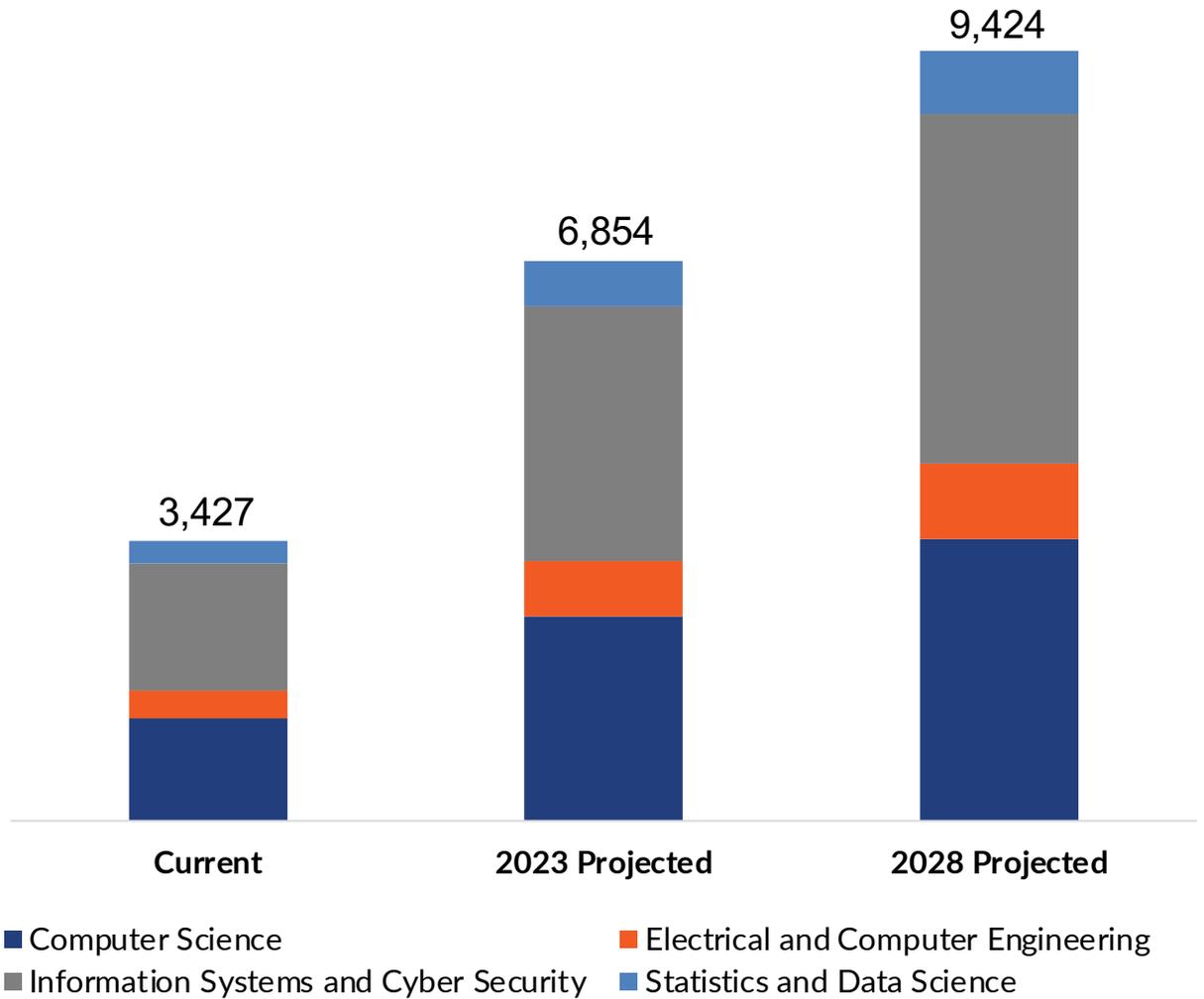
Exemplar coursework

- Data-Driven Decision Making and Design
- Data Analytics Tools and Techniques
- Data Analytics Visualization and Communication
- Data Analytics Applications
- Database Management Systems
- Data Mining
- Large-Scale Data Management
- Bioinformatics
- Topics in Data Science
- Artificial Intelligence
- Machine Learning
- Cloud Computing
- Advanced Topics in CS: Deep Learning
- Advanced Topics in Bioinformatics



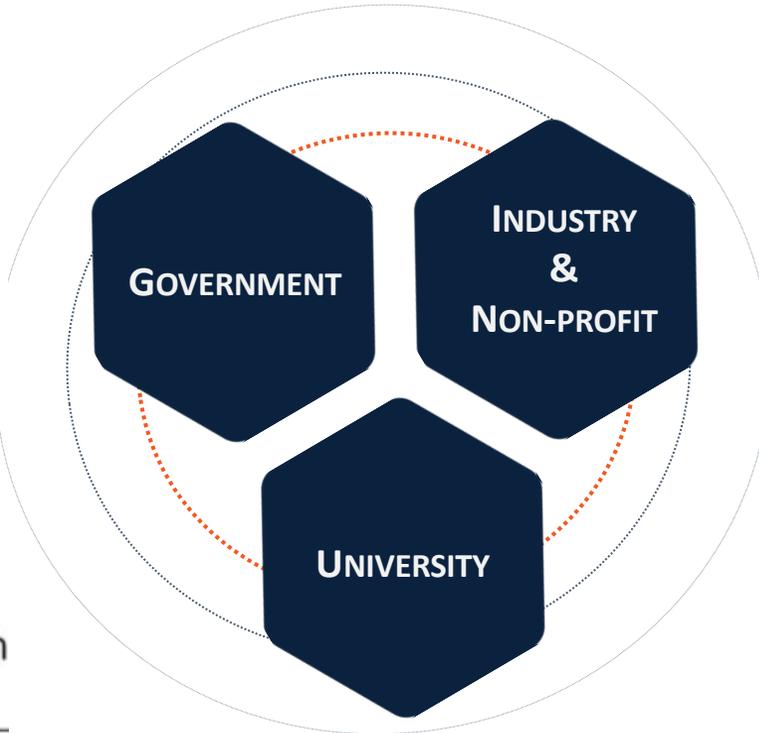
SCHOOL OF DATA SCIENCE

Projected Enrollment



National Security Collaboration Center

Strategic Partnership Ecosystem



Cybersecurity Manufacturing Innovation Institute

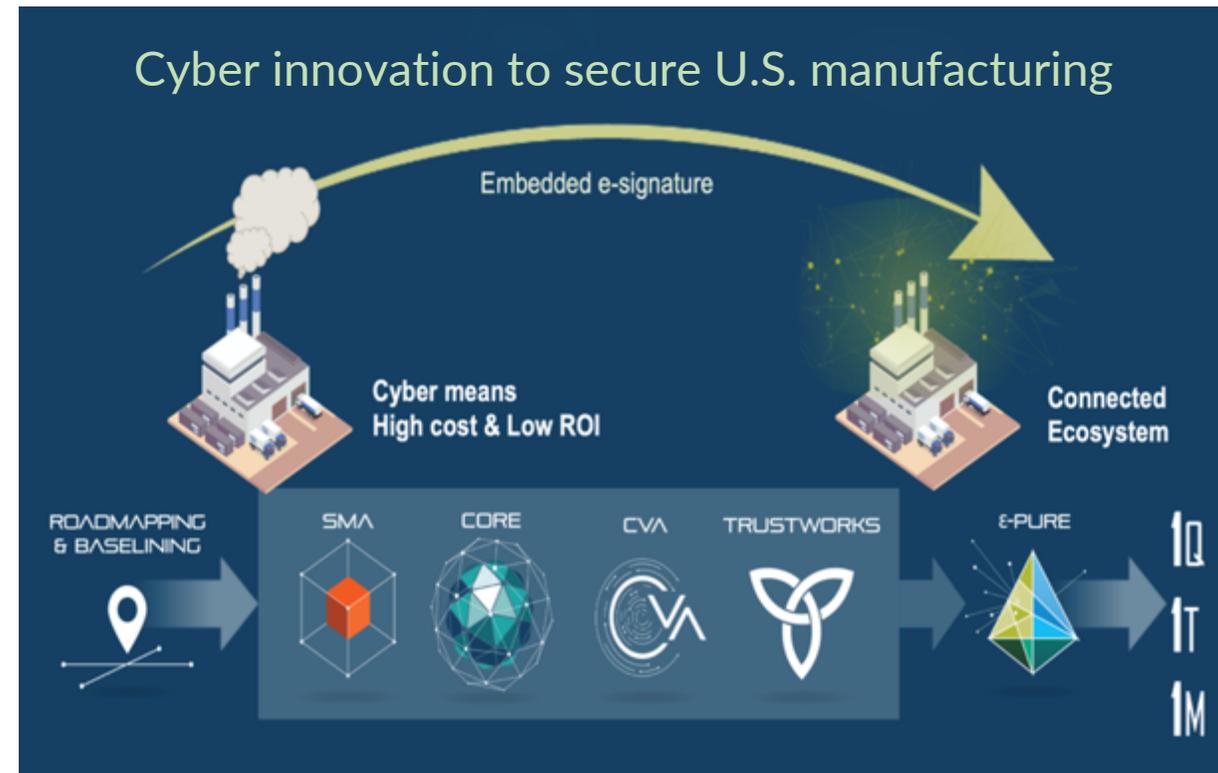
CyManII innovates a cybersecure energy-ROI for energy efficient manufacturing and supply chains propelling U.S. manufacturers to global leadership.

Prime Goals

- 5 Years, \$111M funded, DOE AMO
- Achieve energy efficient and cyber secured, connected ecosystems for U.S. manufacturers.

National members include

- 3 national labs (Oak Ridge National Laboratory, Idaho National Laboratory and Sandia National Laboratories)
- Three other MII's (Manufacturing Innovation Institutes)
- 22 universities
- 36 industry organizations (small, medium, large)



VISION

5

Expansion of College of Business:

Innovation, Entrepreneurship and Careers Building



ON THE HORIZON

Innovation, Entrepreneurship and Careers

Total Project Cost \$161,250,000

- A critical element in UTSA's strategic plan to expand the Downtown Campus and addresses the university's current 1.3M NSF space deficit
- Prepares students for future workforce needs, augmenting UTSA's College of Business and supporting programs within the university's new \$90M School of Data Science and National Security Collaboration Center
- A highly accessible I&E accelerator and collision space for underserved demographic groups
- Expanded executive graduate programs

IN BRIEF

Innovation, Entrepreneurship and Careers Building

LOCATION Downtown San Antonio

SIZE 250,000 GSF

COST \$161,250,000; \$645/GSF on 2 acres
\$5.7M appraised value, County-owned presently (to be transferred early 2021)

FUNDING TRB (requested to UT System and Legislature),
Transformative college naming gift for programmatic support (under development)

DETAILS The IE&C Building puts student innovators and entrepreneurs in the heart of the city's technology corridor and provides a collision space with mentors, coaches and creative thinkers.

COMPONENTS Expanded College of Business programs, as well as programs within the university's Career-Engaged Learning ecosystem

PARTNERSHIPS USAA, H-E-B, PwC, Valero, UT Health San Antonio

ADDITIONAL PHILANTHROPIC OPPORTUNITIES Department naming, department chair endowed chairs, other faculty endowed chairs, undergraduate scholarships, graduate fellowships



UTSA STRATEGIC PARTNERSHIP

6

How Can We Collaborate Further?



UTSA[®]
CREATING
BOLD
FUTURES