

MISSION:

The mission of the College of Engineering is to provide outstanding education and research opportunities and service to our region's multicultural community, the nation and beyond.

VISION:



































To be a leading research-intensive engineering college serving as an economic driver and workforce developer for the region, the state, the nation and the global environment.

VALUES:

The College of Engineering embraces the core values of UTSA – integrity, excellence, innovation, collaboration, and inclusiveness.

Objectives

Goals

	1. Enhance local/national/global reputation of College of Engineering at UTSA	2. Enrich the student experience in COE at UTSA	3. Enhance the faculty and staff work environment	4. Strengthen our local/national/global community engagement and partnerships
A. Create and maintain top tier facilities (1,2,3)				
B. Create system and infrastructure support to enable faculty and students to conduct research and teaching (2,3)				
C. Align and coordinate centers and institutes to support goals (2,3,4)				
D. Increase # of academic programs (1,2,4)				
E. Increase online presence (1,2,4)				
F. Increase research and scholarly work and success rate (1,2,3)				
G. Decrease S/F ratio and increase staff support (1,2,3)				
H. Increase student participation in experiential learning (1,2,4)				
I. Improve graduation rate and retention, job placement (1,2)				
J. Increase partnerships with industry in research and education (2,3,4)				
K. Align and coordinate outreach and recruitment/marketing activities (1,4)				
L. Promote and market faculty success (1,3)				
M. Improve rankings of programs (1,4)				

OBJECTIVES	MEASURES		ACTIONS
Long term measures	Goal	Current	
A. Top Tier Facilities			
Total space	170,000 sqft	128,000 sqft	<ul style="list-style-type: none"> planning new TRB building; take advantage of open spaces; development goal
B. Infrastructure support			
# of technicians	8 people	4 people	<ul style="list-style-type: none"> redistribute some funds; development goal
C. Centers and Institutes			
# of staff supported by institutes	22.5 FTE	16.9 FTE	<ul style="list-style-type: none"> increase soft funding; increase F&A; partner with industry; funded through continuing education and workshops
# of interdisciplinary research proposals and awarded projects	\$65M submitted \$10M received	\$51M submitted \$6.5M received	<ul style="list-style-type: none"> workshops around large research initiative ideas; visit program managers and supporters
# of faculty engaged in institute/center activities	47 faculty	35 faculty	<ul style="list-style-type: none"> strategic recruitment of faculty; planning meetings for large initiatives center/institute faculty serve as mentors
D. Academic Programs			
# of undergraduate academic programs	6 undergrad programs	5 undergrad programs	<ul style="list-style-type: none"> task forces that synthesize ideas for proposals; recruit students
# of graduate academic programs	11 grad programs	8 grad programs	<ul style="list-style-type: none"> task forces that synthesize ideas for proposals; recruit students
# of certificate programs	6 certificate programs	2 certificate programs	<ul style="list-style-type: none"> task forces that synthesize ideas for proposals; recruit students

OBJECTIVES	MEASURES		ACTIONS
Long term measures	Goal	Current	
E. Online Presence			
# courses developed online or hybrid	13 courses	5 online/hybrid courses	<ul style="list-style-type: none"> Department initiate and incentivize Measure student learning
# of certificate programs online	1 certificate	0 certificates	<ul style="list-style-type: none"> task forces that synthesize ideas for proposals; recruit students
F. Research and scholarly work			
# of publications	650 pubs/year	515 pubs/year	<ul style="list-style-type: none"> mentoring of new faculty; workshops; develop incentives encourage national lab participation; visiting program directors; visiting scholars; recruit students
Success rate of research proposals	25%	22%	
Expenditures	\$13M total	9.6M total	
Grad students supported and graduated	140 grad/year	108 grad/year	
# IP/disclosures/licenses	100 total	78 total	<ul style="list-style-type: none"> workshops from office of commercialization; encourage students to participate CITE; collaboration with industry for application
G. Faculty and staff support for students			
ratio of students/faculty	30:1 FTE:TT		<ul style="list-style-type: none"> hire quality faculty
H. Experiential learning			
# REU # Internships/coops # international experiences # community service projects # of students in leadership positions (orgs/teams) # student participation in national competitions/events	100%	Unknown	<ul style="list-style-type: none"> create student success center that supports curricular and career educational needs for students
I. Graduations/retention/jobs			
Graduation rate	6 year - considering all new students to COE, not preengineering 50%	35%	<ul style="list-style-type: none"> targeted tutoring; more TA's; redesign courses; create community of faculty supporting increased learning; coordinate course delivery; peer mentor academy; link with student success center
Retention rate	35% (year 3)	28%	
Job placement	90%	unknown	

OBJECTIVES	MEASURES		ACTIONS
Long term measures	Goal	Current	
J. Industry partnerships			
# SR design projects funded	50% funded	unknown	<ul style="list-style-type: none"> link with industry; create space; develop coordinated plan for long-term relationships
# sponsored projects	30 projects (\$7M)	22 projects (\$5M)	<ul style="list-style-type: none"> advertise expertise of faculty and quality of facilities; increase encounters with potential industry partners; increase # SBIR and STTR proposals (and the like).
K. Outreach/recruitment/marketing			
# of females recruited	20% undergrad recruited	15% currently in COE	<ul style="list-style-type: none"> develop strategic planning of goals and measures for outreach, recruitment, and retention - grad and undergrad; more visits to community colleges and undergrad colleges; seek aid from federal fellowship programs; increasing broader impact through iTEC and CEEE efforts; create marketing materials; coordinate with other UTSA programs (P20); coordinate with other colleges for easy transfer of students (sciences, etc.)
# of students total in college	3000 total	2450 currently	
# Hispanic PhD in college	20%	14%	
# female graduate students in college	30%	25%	
# students impacted by outreach	10,000	~7,000	
# domestic graduate students	50%	44%	
L. Faculty success			
# prestigious grants (CAREER, PCASE)	1 award in next 5 years	1 award in last 5 years	<ul style="list-style-type: none"> mentorship of junior faculty (dept, past winners, college); coordinating proposal writing; better preparation for proposal submission;
# of fellows	50% increase	unknown	<ul style="list-style-type: none"> awards committee; communication to faculty; incentives
M. Rankings			
R Engineering rankings	top 50% of Texas schools	USNews Best Engineering College in TX: UTSA COE 17 out of 25	<ul style="list-style-type: none"> market ourselves; increase expenditures; increase student success; all of the above