

BENCHMARKS AND METRICS

Below is an updated set of metrics to gauge the trajectory toward being a top ten public university. These are the primary metrics that Texas A&M will focus on over the next decade. Included are both the updated peers and comparative data sets using the latest data available.

External Benchmark Metrics–Institutional Metrics (Level 1)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
INSTITUTION	AAU Rankings (Maintain membership and enhance rankings)	Research Expenditures FY 2009 (\$ in Millions)	Federal Research FY 2009 (\$ in Millions)	National Academy Faculty FY 2011 (Number)	Faculty Awards FY 2009 (Number)	Peer Rankings of Doctoral Programs	Peer Rankings of Graduate Programs	Peer Perception FY 2011
Texas A&M University		\$631M	\$261M	22	18			73
Georgia Tech		\$562M	\$322M	28	11			84
Indiana Univ		\$441M	\$198M	10	16			73
Michigan State		\$373M	\$164M	8	12			70
Ohio State Univ		\$716M	\$340M	24	21			75
Penn State Univ		\$753M	\$439M	25	23			77
Purdue Univ		\$454M	\$175M	22	8			77
Univ of Calif - Berkeley		\$652M	\$262M	219	51			93
Univ of Calif - Davis		\$619M	\$296M	32	17			79
UCLA		\$890M	\$468M	81	32			85
Univ of Calif - San Diego		\$879M	\$511M	114	37			78
Univ of Florida		\$592M	\$233M	21	19			73
Univ of Illinois		\$564M	\$288M	57	37			78
Univ of Maryland		\$409M	\$247M	27	14			73
Univ of Michigan		\$1,007M	\$636M	77	55			88
Univ of Minnesota		\$741M	\$391M	34	22			76
Univ of North Carolina - Chapel Hill		\$646M	\$432M	32	31			84
Univ of Texas		\$506M	\$309M	63	26			83
Univ of Washington		\$778M	\$619M	102	41			78
Univ of Wisconsin		\$952M	\$508M	73	40			81

External Benchmark Metrics–Relative Rankings

INSTITUTION	AAU Rankings	Research Expend FY 2009	Federal Research FY 2009	National Academy Faculty FY 2011	Faculty Awards FY 2009	Peer Rankings of Doctoral Programs	Peer Rankings of Graduate Programs	Peer Perception FY 2011
Texas A&M University		11	15	16				16
Georgia Tech		15	10	12				4
Indiana Univ		18	18	19				16
Michigan State		20	20	20				20
Ohio State Univ		8	9	15				15
Penn State Univ		6	6	14				12
Purdue Univ		17	19	16				12
Univ of Calif – Berkeley		9	14	1				1
Univ of Calif - Davis		12	12	10				8
UCLA		3	5	4				3
Univ of Calif - San Diego		4	3	2				9
Univ of Florida		13	17	18				16
Univ of Illinois		14	13	8				9
Univ of Maryland		19	16	13				16
Univ of Michigan		1	1	5				2
Univ of Minnesota		7	8	9				14
Univ of North Carolina - Chapel Hill		10	7	10				4
Univ of Texas		16	11	7				6
Univ of Washington		5	2	3				9
Univ of Wisconsin		2	4	6				7

External Benchmark Metrics—Institutional Metrics (Level 1)

	(9)	(10)	(11)	(12)	(13)	(14)	(15)
INSTITUTION	Peer College Rankings FY 2011 (Number)	Citations FY 2005 to FY 2009 (Number)	Freshman Retention FY 2011 (Percent)	4-Year Graduation Rate FY 2011 (Percent)	6-Year Graduation Rate FY 2011 (Percent)	Level of Academic Challenge FY 2011	Active and Collaborative Learning FY 2011
Texas A&M University	73	Pending	92.0%	50%	80%	53.69	44.38
Georgia Tech	84	73,600	93.0%		79%		
Indiana University	73	119,331	89.0%	44%	74%		
Michigan State	70	89,063	91.0%	50%	77%		
Ohio State University	75	156,195	92.5%	51%	75%	55.98	45.77
Penn State University	77	162,267	93.2%	63%	85%	54.45	41.56
Purdue University	77	91,463	85.5%	39%	70%	55.56	48.35
Univ of Calif - Berkeley	93	266,086	96.5%		90%	56.98	41.50
Univ of Calif - Davis	79	166,188	91.0%		81%	52.93	37.63
UCLA	85	308,372	97.0%	67%	89%		
Univ of Calif - San Diego	78	266,131	94.2%	56%	84%		
Univ of Florida	73	140,955	95.0%	58%	82%	52.73	44.18
Univ of Illinois	78	126,128	93.2%	66%	83%	56.13	45.19
Univ of Maryland	73	98,618	93.0%	66%	82%		
Univ of Michigan	88	295,791	96.0%	73%	89%	59.23	48.06
Univ of Minnesota	76	198,966	88.0%	47%	68%	56.48	43.98
Univ of North Carolina - Chapel Hill	84	182,541	96.5%	75%	87%	58.76	45.76
Univ of Texas	83	110,928	92.2%	53%	80%	55.03	42.41
Univ of Washington	78	320,084	93.0%		81%		
Univ of Wisconsin	81	203,052	93.5%	52%	82%	58.76	45.76

External Benchmark Metrics—Relative Rankings

INSTITUTION	Peer College Rankings	Citations FY 2005 to FY 2009 (Number)	Freshman Retention FY 2011 (Percent)	4-Year Graduation Rate FY 2011 (Percent)	6-Year Graduation Rate FY 2011 (Percent)	Level of Academic Challenge FY 2011	Active and Collaborative Learning FY 2011
Texas A&M University		20	15	12	13	11	7
Georgia Tech		19	10		15		
Indiana Univ		14	18	15	18		
Michigan State		18	16	12	16		
Ohio State Univ		11	13	11	17	7	3
Penn State Univ		10	8	6	5	10	11
Purdue Univ		17	20	16	19	8	1
Univ of Calif - Berkeley		5	2		1	4	12
Univ of Calif - Davis		9	16		11	12	13
UCLA		2	1	3	2		
Univ of Calif - San Diego		4	6	8	6		
Univ of Florida		12	5	7	8	13	8
Univ of Illinois		13	8	4	7	6	6
Univ of Maryland		16	10	4	8		
Univ of Michigan		3	4	2	2	1	2
Univ of Minnesota		7	19	14	20	5	9
Univ of North Carolina - Chapel Hill		8	2	1	4	2	4
Univ of Texas		15	14	9	13	9	10
Univ of Washington		1	10		11		
Univ of Wisconsin		6	7	10	8	2	4

External Benchmark Metrics—Institutional Metrics (Level 1)

	(16)	(17)	(18)	(19)	(20)	(21)
INSTITUTION	Supportive Campus Environment FY 2011	Percent of Students in Study Abroad FY 2008	Student/ Faculty Ratio FY 2009	Spending Per Student FTE FY 2010 (Tuition + State Appropriations)	Undergraduate In-State Tuition FY 2010	Percent Undergraduates with Pell Grant FY 2010
Texas A&M University	63.19	3.6%	19	\$14,644	\$6,966	16%
Georgia Tech			20	\$22,596	\$4,926	11%
Indiana Univ			19	\$20,623	\$7,460	14%
Michigan State			16	\$20,231	\$8,843	19%
Ohio State Univ	61.41	4.0%	15	\$18,218	\$8,679	18%
Penn State Univ	59.49	5.2%	17	\$33,467	\$14,416	15%
Purdue Univ	58.55	3.8%	14	\$19,148	\$8,638	15%
Univ of Calif - Berkeley	52.72	3.3%	16	\$22,231	\$8,353	30%
Univ of Calif - Davis	54.48		16	\$22,456	\$7,576	31%
UCLA		8.6%	17	\$25,901	\$8,266	31%
Univ of Calif - San Diego		4.4%	19	\$18,649	\$8,792	34%
Univ of Florida	57.60	5.9%	20	\$17,029	\$4,373	24%
Univ of Illinois	57.34	6.4%	16	\$17,802	\$12,528	15%
Univ of Maryland			18	\$22,398	\$7,906	
Univ of Michigan	59.71	7.6%	15	\$13,951	\$11,659	12%
Univ of Minnesota	57.74	7.9%	21	\$26,808	\$11,466	17%
Univ of North Carolina - Chapel Hill	61.12	8.5%	14	\$31,846	\$5,625	14%
Univ of Texas	61.27	6.8%	17	\$16,188	\$8,930	21%
Univ of Washington		7.7%	12	\$24,027	\$5,985	20%
Univ of Wisconsin	61.12		17	\$20,756	\$8,310	12%

Internal Benchmarks—Relative Rankings

INSTITUTION	Supportive Campus Environment FY 2011	Percent of Students in Study Abroad FY 2008	Student/ Faculty Ratio FY 2009	Spending Per Student FTE FY 2010 (Tuition + State Appropriations)	Undergraduate In-State Tuition FY 2010	Percent Undergraduates with Pell Grant FY 2010
Texas A&M University	1	13	15	19	16	11
Georgia Tech			18	6	19	19
Indiana Univ			15	11	15	15
Michigan State			6	12	6	8
Ohio State Univ	2	11	4	15	8	9
Penn State Univ	7	9	10	1	1	12
Purdue Univ	8	12	2	13	9	12
Univ of Calif - Berkeley	13	14	6	9	10	4
Univ of Calif - Davis	12		6	7	14	2
UCLA		1	10	4	12	2
Univ of Calif - San Diego		10	15	14	7	1
Univ of Florida	10	8	18	17	20	5
Univ of Illinois	11	7	6	16	2	12
Univ of Maryland			14	8	13	
Univ of Michigan	6	5	4	20	3	17
Univ of Minnesota	9	3	20	3	4	10
Univ of North Carolina - Chapel Hill	4	2	2	2	18	15
Univ of Texas	3	6	10	18	5	6
Univ of Washington		4	1	5	17	7
Univ of Wisconsin	4		10	10	11	17

External Benchmark Metrics—Institutional Metrics (Level 1)

	(22)	(23)	(24)	(25)	(26)	(27)
INSTITUTION	Percent of Graduate Students FY 2009	Graduate Student Stipends (TA) FY 2009	Graduate Student Stipends (RA) FY 2009	Student Demographic Profile FY 2009 (IPEDS Fall Enrollment Percent of URM*)	SAT/ACT 25th Percentile FY 2009	SAT/ACT 75th Percentile FY 2009
Texas A&M University	20%	\$13,403	\$13,973	17%	1080	1300
Georgia Tech	33%			10%	1250	1420
Indiana Univ	23%	\$14,100	\$13,600	7%	1060	1290
Michigan State	23%	\$15,056	\$15,799	11%	1010	1270
Ohio State Univ	25%	\$14,914	\$16,010	9%	1120	1340
Penn State Univ	15%	\$16,723	\$16,922	8%	1100	1300
Purdue Univ	21%	\$15,498	\$17,305	7%	1040	1280
Univ of Calif - Berkeley	29%			15%	1200	1460
Univ of Calif - Davis	21%			15%	1050	1300
UCLA	31%			17%	1150	1400
Univ of Calif - San Diego	19%			14%	1140	1370
Univ of Florida	34%	\$16,892	\$18,516	22%	1140	1360
Univ of Illinois	28%	\$16,027	\$17,220	12%	1200	1430
Univ of Maryland	29%	\$17,105	\$20,167	17%	1200	1390
Univ of Michigan	37%	\$17,281	\$17,387	10%	1230	1430
Univ of Minnesota	36%	\$15,542	\$15,621	7%	1120	1380
Univ of North Carolina - Chapel Hill	38%			15%	1210	1390
Univ of Texas	25%	\$13,924	\$15,165	21%	1100	1350
Univ of Washington	29%			9%	1100	1330
Univ of Wisconsin	28%	\$14,567	\$16,668	7%	1170	1400

Internal Benchmarks—Relative Rankings

INSTITUTION	Percent of Graduate Students FY 2009	Graduate Student Stipends (TA) FY 2009	Graduate Student Stipends (RA) FY 2009	Student Demographic Profile FY 2009 (IPEDS Fall Enrollment Percent of URM*)	SAT/ACT 25th Percentile FY 2009	SAT/ACT 75th Percentile FY 2009
Texas A&M University	18	13	12	4	16	15
Georgia Tech	5			12	1	4
Indiana Univ	14	11	13	17	17	18
Michigan State	14	8	9	11	20	20
Ohio State Univ	12	9	8	14	11	13
Penn State Univ	20	4	6	16	13	15
Purdue Univ	16	7	4	20	19	19
Univ of Calif - Berkeley	7			8	4	1
Univ of Calif - Davis	16			6	18	15
UCLA	6			3	8	5
Univ of Calif - San Diego	19			9	9	10
Univ of Florida	4	3	2	1	9	11
Univ of Illinois	10	5	5	10	4	2
Univ of Maryland	7	2	1	5	4	7
Univ of Michigan	2	1	3	13	2	2
Univ of Minnesota	3	6	10	19	11	9
Univ of North Carolina - Chapel Hill	1			7	3	7
Univ of Texas	12	12	11	2	13	12
Univ of Washington	7			15	13	14
Univ of Wisconsin	10	10	7	18	7	5

External Benchmark Metrics—Institutional Metrics (Level 1)

	(28)	(29)	(30)	(31)	(32)	(33)	(34)
INSTITUTION	First Generation Students	Student National Awards	Faculty Demographic Profile FY 2009 (IPEDS HR Percent of URM*)	^American Research Libraries (ARL) Rank FY 2009 (Number)	Endow Assets FY 2009 (\$ in Millions)	Alumni Spirit Giving Rate FY 2009	Economic Impact
Texas A&M University			9%	23	\$6,260M	17%	
Georgia Tech			6%	110	\$1,664M	28%	
Indiana Univ			8%	28	\$919M	16%	
Michigan State			8%	45	\$1,282M	15%	
Ohio State Univ			6%	22	\$2,076M	15%	
Penn State Univ			7%	7	\$1,140M	22%	
Purdue Univ			6%	52	\$1,736M	21%	
Univ of Calif - Berkeley			8%	6	\$2,885M	13%	
Univ of Calif - Davis			6%	77	\$652M	10%	
UCLA			10%	8	\$2,320M	13%	
Univ of Calif - San Diego			7%	35	\$526M	6%	
Univ of Florida			8%	39	\$1,251M	16%	
Univ of Illinois			10%	15	\$1,044M	13%	
Univ of Maryland			8%	48	\$449M	16%	
Univ of Michigan			8%	5	\$7,572M	16%	
Univ of Minnesota			5%	18	\$2,751M	14%	
Univ of North Carolina - Chapel Hill			8%	17	\$2,359M	22%	
Univ of Texas			8%	10	\$6,895M	15%	
Univ of Washington			7%	13	\$2,262M	16%	
Univ of Wisconsin			6%	14	\$2,120M	12%	

Internal Benchmarks—Relative Rankings

INSTITUTION	First Generation Students	Student National Awards	Faculty Demographic Profile FY 2009 (IPEDS HR Percent of URM*)	^American Research Libraries (ARL) Rank FY 2009 (Number)	Endow Assets FY 2009 (\$ in Millions)	Alumni Spirit Giving Rate FY 2009	Economic Impact
Texas A&M University			3	12	3	5	
Georgia Tech			16	20	12	1	
Indiana Univ			4	13	17	6	
Michigan State			7	16	13	11	
Ohio State Univ			17	11	10	11	
Penn State Univ			14	3	15	2	
Purdue Univ			19	18	11	4	
Univ of Calif - Berkeley			11	2	4	15	
Univ of Calif - Davis			15	19	18	19	
UCLA			2	4	7	15	
Univ of Calif - San Diego			12	14	19	20	
Univ of Florida			10	15	14	6	
Univ of Illinois			1	8	16	15	
Univ of Maryland			6	17	20	6	
Univ of Michigan			5	1	1	6	
Univ of Minnesota			20	10	5	14	
Univ of North Carolina - Chapel Hill			9	9	6	2	
Univ of Texas			8	5	2	11	
Univ of Washington			13	6	8	6	
Univ of Wisconsin			18	7	9	18	

External Benchmark Metrics—Institutional Metrics (Level 1)

	(35)	(36)
INSTITUTION	Average Non-Weighted Rank	Final Ranking (Non-Weighted)
Texas A&M University		
Georgia Tech		
Indiana Univ		
Michigan State		
Ohio State Univ		
Penn State Univ		
Purdue Univ		
Univ of Calif - Berkeley		
Univ of Calif - Davis		
UCLA		
Univ of Calif - San Diego		
Univ of Florida		
Univ of Illinois		
Univ of Maryland		
Univ of Michigan		
Univ of Minnesota		
Univ of North Carolina - Chapel Hill		
Univ of Texas		
Univ of Washington		
Univ of Wisconsin		

Internal Benchmarks—Relative Rankings

INSTITUTION	Average Non-Weighted Rank	Final Ranking (Non-Weighted)
Texas A&M University	12.3	17
Georgia Tech	11.0	15
Indiana Univ	14.7	20
Michigan State	4.2	1
Ohio State Univ	10.7	14
Penn State Univ	9.3	9
Purdue Univ	13.1	18
Univ of Calif - Berkeley	6.2	3
Univ of Calif - Davis	12.0	16
UCLA	4.8	2
Univ of Calif - San Diego	9.5	10
Univ of Florida	10.4	12
Univ of Illinois	8.6	7
Univ of Maryland	10.7	13
Univ of Michigan	14.4	19
Univ of Minnesota	10.1	11
Univ of North Carolina - Chapel Hill	6.3	4
Univ of Texas	9.2	8
Univ of Washington	8.3	5
Univ of Wisconsin	8.5	6

Institutional Metrics
(Level 1)
Data Sources

Column	Item	Source	Year	Brief Definition/Source for Definition
(1)	American Association of Universities (AAU) (Maintain membership and enhance rankings)	AAU		Ranks doctoral programs but not overall intuitional ranking.
(2)	Research Expenditures FY 2009 (\$ in Millions)	<i>National Science Foundation</i>	2009	Texas A&M University Office of the Vice President for Research
(3)	Federal Research FY 2009 (\$ in Millions)	<i>National Science Foundation</i>	2009	Texas A&M University Office of the Vice President for Research
(4)	National Academy Faculty	<i>National Academy of Engineering; National Academy of Science</i>	2011	Total head count of Active Membership
(5)	Faculty Awards	<i>The Center for Measuring University Performance</i>	2009	Number of national awards for faculty
(6)	Peer Rankings of Doctoral Programs	AAU		Programs must be looked at individually
(7)	Peer Rankings of Graduate Programs	<i>U.S. News & World Report U.S. News</i>		Programs must be looked at individually
(8)	Peer Perception	<i>U.S. News</i>	2011	U.S. News Reputation Survey (based on 100%)
(9)	Peer College Rankings	<i>US News</i>	2011	U.S. News Reputation Survey (based on 100%)
(10)	Citations	<i>ISI Thomson Reuters</i>	2005 to 2009	ISI stands for Institute for Scientific Information. Number of citations of each institution's publications by year. AAUDE compiles a five-year report for AAUDE members.
(11)	Freshman Retention	<i>U.S. News</i>	2011	Fall first-time full-time degree seeking cohort, retained the next fall
(12)	4-Year Graduation Rate	<i>Association of American Universities Data Exchange (AAUDE)</i>	2011	Fall first-time full-time degree seeking cohort, graduated by the fourth year (cumulative)
(13)	6-Year Graduation Rate	<i>U.S. News</i>	2011	Fall first-time full-time degree seeking cohort, graduated by the sixth year (cumulative)
(14)	Level of Academic Challenge	<i>National Survey of Student Engagement (NSSE)</i>	2011	Average scores from relative NSSE construct items
(15)	Active and Collaborative Learning	NSSE	2011	Average Scores from relative NSSE construct items
(16)	Supportive Campus Environment	NSSE	2011	Average Scores from relative NSSE construct items
(17)	Percent of Students in Study Abroad (FTE)	<i>Institute of International Education (IIE): Open Doors</i>	2008	IIE's number of students study abroad divided by Integrated Postsecondary Data System (IPEDS) fall enrollment FTE
(18)	^Student/Faculty Ratio	<i>IPEDS Institutional Characteristics</i>	2009	Also available at: http://www.tamu.edu/customers/oisp/reports/student-faculty-ratio-defined.pdf
(19)	Spending Per Student FTE (Tuition + State Appropriations)	<i>IPEDS Finance; IPEDS Fall Enrollment</i>	2010	(Total tuition revenue + State Appropriations) divided by Student FTE
(20)	Undergraduate In-State Tuition	<i>IPEDS Institutional Characteristics</i>	2010	Undergraduate in-state tuition and fees
(21)	Percent Undergraduates with Pell Grant	<i>Texas A&M Student Financial Aid</i>	2010	Texas A&M University Office of Student Financial Aid
(22)	Percent of Graduate Students	<i>IPEDS Fall Enrollment</i>	2009	Number of graduate level enrollment (including first professions) divided by total enrollment (head count)

Column	Item	Source	Year	Brief Definition/Source for Definition
(23)	Graduate Student Stipends Teaching Assistant (TA)	<i>AAUDE Graduate Stipends Survey</i>	2009	Average cash salary for TA
(24)	Graduate Student Stipends Research Assistant (RA)	<i>AAUDE Research Stipends Survey</i>	2009	Average cash salary for RA
(25)	Student Demographic Profile	<i>IPEDS Fall Enrollment</i>	2009	URM* head count divided by total enrollment head count in IPEDS Fall Enrollment
(26)	SAT/ACT 25th Percentile	<i>IPEDS Test Scores</i>	2009	
(27)	SAT/ACT 75th Percentile	<i>IPEDS Test Scores</i>	2009	Convert ACT to SAT to generate comparable SAT equivalent score
(28)	First Generation Students	<i>Office of Institutional Studies and Planning</i>		
(29)	Student National Awards	<i>Not available</i>		Number of FET students divided by FTE faculty
(30)	Faculty Demographic Profile (IPEDS HR percent of URM*)	<i>IPEDS HR (Full-time instructional faculty under 9 month contract)</i>	2009	URM* faculty head count divided by total full-time faculty under 9/10 month contract in IPEDS HR
(31)	^American Research Libraries (ARL) Rank	<i>ARL</i>	2009	Nationally ranked libraries
(32)	Endowment Assets (\$ in Millions)	<i>National Association of Colleges and Universities Business Officers</i>	2009	Endowment market value
(33)	Alumni Spirit Giving Rate	<i>Council for Aid to Education</i>	2009	All contributions received during a fiscal year
(34)	Economic Impact	<i>Office of the Vice President for Finance</i>		
(35)	Average Non-Weighted Rank	<i>Office of the Provost</i>		Represents the average of all relative rankings without weighing
(36)	Final Ranking (Non-Weighted)	<i>Office of the Provost</i>		Represents the overall ranking based on the average of the non-weighted rankings

Note:

^ Ranked in ascending order;

*URM, Under-Represented Minority = American Indian, Black, Hispanic