

18 Characteristics of Texas Public Doctoral Programs

Programs included only if in existence 3 or more years. Program is defined at the 8-digit CIP code level.

Mechanical Engineering	Department
Mechanical Engineering GR-PHD-ME	Doctoral Degree Program
Research	Category

1	Number of Doctoral Degrees Awarded Per Year (3 most recent years) <i>Report the number of doctoral degrees awarded for each of the 3 most recent years.</i>	FY 2015-2016	FY 2016-2017	FY 2017-2018
		12	15	15

2	Graduation Rates (3 most recent years) <i>Report the percentage of doctoral students who graduated within 10 years for each of the 3 most recent years. Graduation rates are based on the methodology used in the Accountability System, which uses CMB001 data to identify students beginning a program at a specified time and uses CMB009 data to track students from that cohort who graduated within the following 10-year period.</i>	Fall 2015	Fall 2016	Fall 2017
		0%	71%	63%

3	Average Time to Degree (3 most recent years) <i>Report the average of graduates' time to degree for each of the most recent 3 years. For each academic year, "time to degree" is defined as beginning the year students matriculated with a doctoral degree objective until the year they graduated.</i>	FY 2015-2016	FY 2016-2017	FY 2017-2018
		5.3	4.6	6.3

4	Employment Profile (3 most recent years) <i>Report the number and percentage of graduates employed in their field within one year of graduation, those still seeking employment, and unknown for each of the 3 most recent years. Employment includes full-time self-employment, private practice residency, fellowship, and other opportunities for further training or education.</i>	Fall 2015		Fall 2016		Fall 2017		
		Number	Percent	Number	Percent	Number	Percent	
		Employed (In their Field)	9	70%	13	87%	6	75%
		Employed (Not in their Field)						
		Still seeking employment	1	7%	1	6%		0%
Unknown	3	23%	1	6%	2	25%		

5	Admissions Criteria (most recent year) Provide a description of key admission factors	http://www.depts.ttu.edu/ceweb/Graduate/Phd.php 1) Graduate School Application 2) Official Transcripts 3) Official copy of the TOEFL scores (for international students) 4) GRE scores 5) Acceptance by Graduate Faculty 6) Department Application
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6	Core Faculty (3 most recent years) <i>Report the number of core faculty for each of the 3 most recent years. "Core faculty" is defined as appropriately credentialed individuals integral to the doctoral program, such as those who teach courses, mentor students, or serve on dissertation committees. Programs leading to Doctor of Medicine (MD) and Doctor of Osteopathic Medicine (DO) degrees are not required to report this characteristic.</i>	Fall 2015	Fall 2016	Fall 2017
		28	47	28

7	Core Faculty Activities (3 most recent years) <i>Report the average number of discipline-related referred papers/publications, juried creative/performance accomplishments, and notices of discoveries filed/patents issued per core faculty member for each of the 3 most recent years. If figures include duplicate entries for co-authored publications, indicate the number of duplicate entries in a note. Additional noteworthy faculty activities or awards may be explained in an attached comment. MD and DO programs are not required to report this characteristic.</i>	Fall 2015	Fall 2016	Fall 2017
		10.65	7.06	2.26

8	Core Faculty External Grants (3 most recent years) <i>Report the number of core faculty receiving external funds, average external funds per core faculty member, and total external funds per program for each of the 3 most recent years. Include all external funds received by core faculty and reported expenditures for any source, including research grants, training grants, gifts from foundations, etc. MD and DO programs are not required to report this characteristic.</i>	Fall 2015	Fall 2016	Fall 2017	
		Number of Grants	17	7	17
		Average grant \$	\$ 224,619	\$ 154,046	\$ 336,901
		Total grant \$	\$ 3,818,523	\$ 1,078,322	\$ 5,727,331

9	Faculty Diversity (3 most recent years) <i>Report the number of core faculty by gender and ethnicity (White, Hispanic, Black or African American, Asian, American Indian or Alaskan Native, International, Unknown or Not Reported, Native Hawaiian or Other Pacific Islander) for each of the 3 most recent years. MD and DO programs are not required to report this characteristic.</i>	Fall 2015		Fall 2016		Fall 2017		
		Male	Female	Male	Female	Male	Female	
		White	12	1	18	3	11	1
		Black or African American	1		3		2	
		Hispanic	1		1			
		Asian	11	2	12	4	12	2
		American Indian or Alaskan Native						
		International			5	1		
		Native Hawaiian or Other Pacific Islander						
		Unknown/Not Reported						

10	Student Diversity (3 most recent years) <i>Report the fall semester headcount by gender, ethnicity (White, Hispanic, Black or African American, Asian, American Indian or Alaskan Native, International, Unknown or Not Reported, Native Hawaiian or Other Pacific Islander) and residency status (Texas resident, out-of-state non-resident, and international non-resident) in the program for each of the 3 most recent years. International non-resident students should include all students paying resident tuition rates because of waivers.</i>	Fall 2015						Fall 2016						Fall 2017					
		Texas Resident		Out-of-State Non-Resident		International Non-Resident		Texas Resident		Out-of-State Non-Resident		International Non-Resident		Texas Resident		Out-of-State Non-Resident		International Non-Resident	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
		White	14	1	2	1			16	3	1	1			16	2	1		
		Black or African American	1						1						1				

Hispanic	2	1	1				2						2	1			
Asian	2	1					2	1	1				1		1		
American Indian or Alaskan Native																	
International	8	1	4		41	8	7	1	3		45	8	5		3		46
Native Hawaiian or Other Pacific Islander																	
Unknown/Not Reported	1								1				2				

11	External Program Accreditation <i>Name of accrediting body and date of last program accreditation review, if applicable.</i>	Name of accrediting body: N/A
		Date of last Program Review: N/A

12	Student-Core Faculty Ratio (3 most recent years) <i>Report the number of full-time student equivalents divided by the number of full-time faculty equivalents of core faculty for each of the 3 most recent years. MD and DO programs are not required to report this characteristic.</i>	Fall 2015	Fall 2016	Fall 2017
		2.6	2.41	2.51

13	Date of Last External Review <i>Date of last formal external review.</i>	Date: 2015
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14	Percentage of Full-time Students (3 most recent years) <i>Report the fall semester's number of full-time students equivalents divided by the headcount number of students enrolled for each of the 3 most recent years. Definition of "full-time: is 18 semester credit hours (SCH) per year.</i>	Fall 2015	Fall 2016	Fall 2017
		78%	79%	70%

15	Average Institutional Financial Support Provided (3 most recent years) <i>For those receiving financial support, report the</i>	Fall 2015	Fall 2016	Fall 2017
		\$ 27,500	\$ 27,500	\$ 27,500

16	Percentage Full-time Students with Institutional Financial Support (3 most recent years) <i>Report the percentage of full-time students with at least \$1,000 of annual support for each of the 3 most recent years.</i>	Fall 2015	Fall 2016	Fall 2017
		70%	78%	72%

17	Faculty Teaching Load (3 most recent years) <i>Report the total number of SCH in organized teaching courses taught per academic year by core faculty divided by the number of core faculty for each of the 3 most recent years. Organized classes include lecture, laboratory, and seminar courses.</i>	Fall 2015	Fall 2016	Fall 2017
		3	5	4

18	Student Publications/Presentations (3 most recent years) <i>Report the number of discipline-related refereed papers/publications, juried creative/performance accomplishments, and external presentations per year for each of the 3 most recent years. If figures include duplicate entries for co-authored publications, indicate the number of duplicate entries in a note.</i>	Calendar Year 2015	Calendar Year 2016	Calendar Year 2017
		1.27	1.26	2