



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.

Engineering	Department
Industrial Engineering	Doctoral Degree Program

1	Number of Degrees Per Year	FY 2011-2012	FY 2012-2013	FY 2013-2014
	For each of the three most recent years, of the number of degrees awarded per academic year.	7	4	4

2	Graduate Rates	Fall 2011	Fall 2012	Fall 2013
	For each of the three most recent years, of the percent of first-year doctoral students ² who graduated within ten years. ² First-year doctoral students: Those students who have matriculated as doctoral students with a doctoral degree objective.	33%	67%	86%

3	Average Time to Degree	FY 2011-2012	FY 2012-2013	FY 2013-2014
	For each of the three most recent years, average of the graduates' time to degree ³ ³ For each academic year, the time to degree is defined as beginning the year students matriculated with a doctoral degree objective until the year they graduated.	4.5	5.6	5.8

Employment Profile - (in field within one year of graduation)		Fall 2011		Fall 2012		Fall 2013	
For each of the three most recent years, the number and percent of graduates by year employed, those still seeking employment, and unknown.		Number	Percent	Number	Percent	Number	Percent
4	Employed in Academia	2	29%				
	Employed as Post-Doctorates					1	25%
	Employed in Industry/Professional	3	43%				
	Employed in Government						
	Still seeking employment						
	Unknown	2	29%	4	100%	3	75%

5	Admissions Criteria	http://www.depts.ttu.edu/iweb/grad/admissions.php
	Description of Admission Factors	1) Graduate School Application 2) Official Transcripts 3) Official copy of the TOEFL scores (for international students) 4) GRE scores Three Letters of Recommendation

6	Percentage of Full-time Students	Fall 2011	Fall 2012	Fall 2013
	FTS ⁴ number students enrolled (headcount) for last three fall semesters. ⁴ Definition of Full Time Student (FTS) is institutional by program.	85%	93%	86%

7	Average Institutional Financial Support Provided	Fall 2011	Fall 2012	Fall 2013
	For those receiving financial support, the average monetary institutional support provided per full-time graduate student for the prior year from assistantships, scholarships, stipends, grants, and fellowships (does not include tuition or benefits). Note: This number represents the weighted average monthly salary of all Research & Teaching Assistants and Graduate Part-Time Instructors.	\$39,141.21	\$129,018.07	\$275,032.48

8	Percentage Full-time Students with Institutional Financial Support <i>In the prior year, the number of FTS with at least \$1000 of annual support/the number of FTS.</i>	Fall 2011	Fall 2012	Fall 2013
				22.2%

9	Number of Core Faculty ⁵ <i>Number of core faculty in the prior years</i> ⁵ <i>Core faculty: Full-time tenured and tenure-track faculty who teach 50 percent or more in the doctoral program or other individuals integral to the doctoral program who can direct dissertation research.</i>	Fall 2011	Fall 2012	Fall 2013
		15	14	12

10	Student-Core Faculty Ratio <i>For each of the three most recent years, average of full-time student equivalent (FTSE)/average of full-time faculty equivalent (FTFE) of core faculty</i>	Fall 2011	Fall 2012	Fall 2013
		3.21	1.8	1.79

11	Core Faculty Publications <i>For each of the three most recent calendar years, average of the number of discipline-related refereed papers/publications, books/book chapters, juried creative/performance accomplishments, and notices of discoveries filed/patents issued per core faculty member.</i>			
		Calendar Year 2011	Calendar Year 2012	Calendar Year 2013
	Refereed Papers/Publications	63	26	24
	Books/Book Chapters	1		
	Juried Creative/Performance Accomplishments			
	Notices of Discoveries Filed/Patents			

12	Core Faculty External Grants <i>For each of the three most recent years, average of the number of core faculty receiving external funds, average external funds per faculty, and total external funds per program per academic year</i> ⁶ ⁶ <i>All external funds received by core faculty from any source including research grants, training grants, gifts from foundations, etc., reported as expenditures.</i>			
		Fall 2011	Fall 2012	Fall 2013
	Number of Core Faculty receiving external funds	10	6	7
	Average External Grant \$ per Faculty	\$81,700.40	\$25,229.83	\$35,122.00
	Total External Grant \$	\$1,225,506.00	\$151,379.00	\$245,854.00

13	Faculty Teaching Load <i>Total number of semester credit hours in organized teaching courses taught per academic year by core faculty divided by the number of core faculty.</i>	Fall 2011	Fall 2012	Fall 2013
		282	258	178

14	Faculty Diversity						
	<i>Core faculty by ethnicity (White, Black, Hispanic, other) and gender,</i>						
	Fall 2011		Fall 2012		Fall 2013		
	Male	Female	Male	Female	Male	Female	
	White	14	2	7	2	5	2
	Black						
	Hispanic	2	4	1		1	
Other	6		4		4		

15	Student Diversity <i>Enrollment headcount by ethnicity (White, Black, Hispanic, Other) and gender in program.</i>					
	Fall 2011		Fall 2012		Fall 2013	
	Male	Female	Male	Female	Male	Female
	White	3	1		1	1
	Black					1
	Hispanic	2		1	1	1
	Other	20	7	17	7	17

16	Date of Last External Review <i>Date of last formal external review. ⁷</i> ⁷ Six-year Texas Tech University Graduate Program Review	12/1/2012
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17	External Program Accreditation <i>Name of body and date of last program accreditation review, if applicable.</i>	SACS
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18	Student Publications/Presentations <i>For the three most recent calendar years, the number of discipline-related refereed papers/publications, juried creative/performance accomplishments, book chapters, books, and external presentations per year by student FTE</i>			
		Calendar Year 2011	Calendar Year 2012	Calendar Year 2013
	<i>Refereed Papers/Publications</i>	40	9	14
	<i>Juried Creative/Performance Accomplishments</i>			
	<i>Book Chapters</i>			
	<i>Books</i>			
	<i>External Presentations</i>	41	5	10