



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

Electrical Engineering

Department

Doctoral Degree Program

1	Number of Degrees Per Year <i>For each of the three most recent years, of the number of degrees awarded per academic year.</i>	FY 2011-2012	FY 2012-2013	FY 2013-2014
		11	16	14

2	Graduate Rates <i>For each of the three most recent years, of the percent of first-year doctoral students² who graduated within ten years. ²First-year doctoral students: Those students who have matriculated as doctoral students with a doctoral degree objective.</i>	Fall 2011	Fall 2012	Fall 2013
		50%	100%	N/A

3	Average Time to Degree <i>For each of the three most recent years, average of the graduates' time to degree³ ³For 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.</i>	FY 2011-2012	FY 2012-2013	FY 2013-2014
		4.3	3.8	4.2

4	Employment Profile -(in field within one year of graduation)						
	<i>For each of the three most recent years, the number and percent of graduates by year employed, those still seeking employment, and unknown.</i>	Fall 2011		Fall 2012		Fall 2013	
		Number	Percent	Number	Percent	Number	Percent
	Employed in Academia	0	0	0	0	0	0
	Employed as Post-Doctorates	1	0.2	1	20%	1	20%
	Employed in Industry/Professional	2	0.3	2	30%	2	30%
	Employed in Government	2	0.3	2	30%	2	30%
	Still seeking employment	0	0	0	0	0	0
	Unknown	1	0.2	1	0.2	1	0.2

5	Admissions Criteria Description of 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

6	Percentage of Full-time Students <i>FTS⁴/number students enrolled (headcount) for last three fall semesters. ⁴Definition of Full Time Student (FTS) is institutional by program.</i>	Fall 2011	Fall 2012	Fall 2013
		85%	89%	77%

7	Average Institutional Financial Support Provided <i>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.</i>	Fall 2011	Fall 2012	Fall 2013
		\$26,000	\$26,500	\$27,500

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
		90%	90%	90%

9	Number of Core Faculty⁵ <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
		24	24	23

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
		2.48	2.89	2

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
	<i>Refereed Papers/Publications</i>	78	100	84
	<i>Books/Book Chapters</i>	4	2	6
	<i>Juried Creative/Performance Accomplishments</i>			
	<i>Notices of Discoveries Filed/Patents</i>	2	1	2

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 ⁶</i> 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	31	18	15
	Average External Grant \$ per Faculty	\$59,856	\$243,337	\$231,660
	Total External Grant \$	\$1,855,530	\$6,083,437	\$5,328,320

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
		167	129	127

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	12	2	9	1	7	1
	Black	1		1		1	
	Hispanic						
	Other	10	3	10	3	11	3

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	18	1	18	2	14	2
	Black						
	Hispanic	2		4		5	
Other	31	8	42	9	34	6	

16	Date of Last External Review <i>Date of last formal external review.⁷</i> ⁷ Six-year Texas Tech University Graduate Program Review	3/15/2011
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17	External Program Accreditation <i>Name of body and date of last program accreditation review, if applicable.</i>	Name of accrediting body: ABET Last program accreditation program review: November 2011
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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>	35	72	80
	<i>Juried Creative/Performance Accomplishments</i>	0	0	0
	<i>Book Chapters</i>	0	0	0
	<i>Books</i>	0	0	0
	<i>External Presentations</i>	17	27	23