



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

Systems and Engineering Management

Department

Doctoral Degree Program

1	Number of Degrees Per Year <i>Average, 2007-2009</i> <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
		2	8	3

2	Graduate Rates <i>Students Starting 1997-1999</i> <i>For each of the three most recent years, of the percent of first-year doctoral students² who graduated within ten years.</i> <i>²First-year doctoral students: Those students who have matriculated as doctoral students with a doctoral degree objective.</i>	Fall 2011	Fall 2012	Fall 2013
		N/A	0	0

3	Average Time to Degree <i>Students Starting 1997-1999</i> <i>For each of the three most recent years, average of the graduates' time to degree³</i> <i>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
		2.8	3.8	4.9

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
		2	67				
	Employed in Academia	2	67				
	Employed as Post-Doctorates	0	0				
	Employed in Industry/Professional	1	33				
	Employed in Government	0	0				
	Still seeking employment	0	0				
	Unknown	0	0				

5	Admissions Criteria Description of Admission Factors	http://aln.coe.ttu.edu/alnweb/MSSEM.php					
		1) Graduate School Application 2) Official Transcripts 3) Official copy of the TOEFL scores (for international students) 4) GRE scores					

6	Percentage of Full-time Students <i>FTS⁴/number students enrolled (headcount) for last three fall semesters.</i> <i>⁴Definition of Full Time Student (FTS) is institutional by program.</i>	Fall 2011	Fall 2012	Fall 2013
		33.3%	17.1%	20.0%

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

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
		N/A		

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
		4	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
		1.61	1.8	1.8

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>	31		
	<i>Books/Book Chapters</i>	0		
	<i>Juried Creative/Performance Accomplishments</i>	0		
	<i>Notices of Discoveries Filed/Patents</i>	0		

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	4		
	Average External Grant \$ per Faculty	62323.95		
	Total External Grant \$	249295.8		

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
		564	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	4	2	7	2	5	2
	Black						
	Hispanic	2		1		1	
	Other			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	12	2		20	4
	Black	1	1		2	1
	Hispanic				4	1
	Other	10	4	6	4	5

16	Date of Last External Review <i>Date of last formal external review.⁷</i> ⁷ Six-year Texas Tech University Graduate Program Review	1/1/2012
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17	External Program Accreditation <i>Name of body and date of last program accreditation review, if applicable.</i>	
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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>	21		
	<i>Juried Creative/Performance Accomplishments</i>	0		
	<i>Book Chapters</i>	0		
	<i>Books</i>	0		
	<i>External Presentations</i>	24		