

Texas A&M University

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.

Department	Physics and Astronomy
Doctoral Degree Program	Applied Physics
Contact Name	j. ross
Contact Phone Number	845 3842

1	Number of Degrees Per Year <i>Average, 2013-2016</i> <i>Three-year average of the number of degrees awarded per academic year</i>	2013-2014	3
		2014-2015	3
		2015-2016	3
		3 Year Average	3.0

2	Graduation Rates <i>Starting Cohorts: 2004-2006</i> <i>Three-year average of the percent of first-year doctoral students who graduated within ten years. First-year doctoral students: Those students who have been coded as doctoral students by the institution and have either completed a master's program or at least 30 SCH towards a graduate degree.</i>	% Graduating within 10 Years	25%
		Years with Cohort greater than 0	2004,2005

3	Average Time to Degree <i>Students Starting 2004-2006</i> <i>Three-year average of the registered time to degree[3] of first-year doctoral students within a ten year period. [3] Registered time to degree: The number of semesters enrolled starting when a student first appears as a doctoral student until she completes a degree, excluding any time taken off during graduate study. The number of years is obtained by dividing the number semesters by three.</i>	Average Years to Degree	7.5
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4	Employment Profile <i>(In field within one year of graduation). For each of the three most recent years, the number and percent of graduates by year employed, those still seeking employment, and unknown</i>						
		Employed		Still Seeking Employment		Unknown	
		Number	Percent	Number	Percent	Number	Percent
	2013-2014	3	100%	0	0%	0	0%
	2014-2015	3	100%	0	0%	0	0%
2015-2016	2	67%	1	33%	0	0%	

5	Admissions Criteria GRE scores (including the physics subject test), 3 letters of recommendation, and a Bachelor's degree in physics or a related field are required. No hard cutoff of GRE scores or GPA requirements. Low GRE scores can be balanced by a higher GPA, and vice versa. The TOEFL is required of all international applicants.	<i>Description of admission factors</i>
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6	Percentage Full-time Students <i>FTS/number of students enrolled for the last three fall semesters.</i>	Fall 2013	90.9%
		Fall 2014	88.9%
		Fall 2015	75.0%

7	Average Institutional Financial Support Provided <i>For those receiving financial support, the average monetary institutional financial support provided per full-time graduate student for the prior year, from assistantships, scholarships, stipends, grants, and fellowships. Does not include tuition or benefits.</i>	\$17,578.05
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8	Percentage Full-Time Students with Institutional Financial Support <i>In the prior year, the number of full-time students with at least \$1,000 of annual support/the number of full-time students</i>	83%																		
9	Number of Core Faculty <i>Number of core faculty in the prior year</i>	24																		
10	Student-Core Faculty Ratio <i>Three-year average of full-time student equivalent (FTSE) /three-year average of full-time faculty equivalent (FTFE) of core faculty. 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>	0.3																		
11	Core Faculty Publications <i>Three-year 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 year per core faculty member.</i>	8.3																		
12	Core Faculty External Grants <i>Three-year average of the number of core faculty receiving external funds, average external funds per faculty, and total external funds per program per academic year. All external funds received from any source including research grants, training grants, gifts from foundations, etc., reported as expenditures.</i>	<table border="1"> <tr> <td data-bbox="808 789 1318 831">Average of the Number of Core Faculty receiving</td> <td data-bbox="1318 789 1505 831">16</td> </tr> <tr> <td data-bbox="808 831 1318 873">Average External Funds per Faculty</td> <td data-bbox="1318 831 1505 873">\$295,000</td> </tr> <tr> <td data-bbox="808 873 1318 909">Total External Funds</td> <td data-bbox="1318 873 1505 909">\$4,720,000</td> </tr> </table>	Average of the Number of Core Faculty receiving	16	Average External Funds per Faculty	\$295,000	Total External Funds	\$4,720,000												
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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 in the prior year</i>	11.8																		
14	Faculty Diversity <i>Core faculty by ethnicity (White, Black, Hispanic, Other) and gender, updated when changed</i>	<table border="1"> <thead> <tr> <th data-bbox="976 1108 1138 1150"></th> <th data-bbox="1138 1108 1318 1150">Male</th> <th data-bbox="1318 1108 1505 1150">Female</th> </tr> </thead> <tbody> <tr> <td data-bbox="976 1150 1138 1192">White</td> <td data-bbox="1138 1150 1318 1192">16</td> <td data-bbox="1318 1150 1505 1192">1</td> </tr> <tr> <td data-bbox="976 1192 1138 1234">Black</td> <td data-bbox="1138 1192 1318 1234">0</td> <td data-bbox="1318 1192 1505 1234">0</td> </tr> <tr> <td data-bbox="976 1234 1138 1276">Hispanic</td> <td data-bbox="1138 1234 1318 1276">1</td> <td data-bbox="1318 1234 1505 1276">0</td> </tr> <tr> <td data-bbox="976 1276 1138 1318">Other</td> <td data-bbox="1138 1276 1318 1318">1</td> <td data-bbox="1318 1276 1505 1318">0</td> </tr> </tbody> </table>		Male	Female	White	16	1	Black	0	0	Hispanic	1	0	Other	1	0			
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15	Student Diversity <i>Enrollment headcount by ethnicity (White, Black, Hispanic, Other) and gender in program in the prior year</i>	<table border="1"> <thead> <tr> <th data-bbox="976 1371 1138 1413"></th> <th colspan="2" data-bbox="1138 1371 1505 1413">Fall 2015</th> </tr> <tr> <th data-bbox="976 1413 1138 1455"></th> <th data-bbox="1138 1413 1318 1455">Male</th> <th data-bbox="1318 1413 1505 1455">Female</th> </tr> </thead> <tbody> <tr> <td data-bbox="976 1455 1138 1497">White</td> <td data-bbox="1138 1455 1318 1497">3</td> <td data-bbox="1318 1455 1505 1497">0</td> </tr> <tr> <td data-bbox="976 1497 1138 1539">Black</td> <td data-bbox="1138 1497 1318 1539">0</td> <td data-bbox="1318 1497 1505 1539">0</td> </tr> <tr> <td data-bbox="976 1539 1138 1581">Hispanic</td> <td data-bbox="1138 1539 1318 1581">0</td> <td data-bbox="1318 1539 1505 1581">1</td> </tr> <tr> <td data-bbox="976 1581 1138 1612">Other</td> <td data-bbox="1138 1581 1318 1612">1</td> <td data-bbox="1318 1581 1505 1612">3</td> </tr> </tbody> </table>		Fall 2015			Male	Female	White	3	0	Black	0	0	Hispanic	0	1	Other	1	3
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16	Date of Last External Review <i>Date of last formal external review, updated when changed</i>	2016																		
17	External Program Accreditation <i>Name of body and date of last program accreditation review, if applicable, updated when changed</i> n/a																			
18	Student Publications/Presentations <i>For the three most recent 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>	1.20																		

Comment

Notes:

The sum of #14 (Faculty Diversity) could be less than #9 (Number of Core Faculty) if some faculty have chosen to keep their information confidential.

Excluding the distance education students, whom will be included starting from the next year