Characteristics of Texas Public Doctoral Programs as of Fall 2019

Physics

Degree Awarded: Ph.D. in Physics  
Program Website: http://ph.utexas.edu

Characteristics Common to All Programs¹

Characteristic 1: Number of Degrees Per Year
For each of the three most recent years, the number of degrees awarded per academic year.

Academic Year 2016: 27  
Academic Year 2017: 34  
Academic Year 2018: 30

Comments

Characteristic 2: Graduation Rates
For each of the three most recent years, the percent of first-year doctoral students² who graduated within ten years.

Academic Year 2016: 71 %  
Academic Year 2017: 84.6 %  
Academic Year 2018: 68.5 %

Comments

Characteristic 3: Average Time to Degree³
For each of the three most recent years, average of the graduates' time to degree.

Academic Year 2016: 7  
Academic Year 2017: 7.1  
Academic Year 2018: 6.2

¹ Programs included only if in existence three or more years. Program is defined at the 8-digit CIP code level.

² First-year doctoral students. Those students who have matriculated as doctoral students with a doctoral degree objective.

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.
**Characteristic 4: Employment Profile (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.

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Employed</th>
<th>Pct Employed</th>
<th>Unknown</th>
<th>Pct Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>12</td>
<td>44.4%</td>
<td>15</td>
<td>55.6%</td>
</tr>
<tr>
<td>2017</td>
<td>17</td>
<td>50%</td>
<td>17</td>
<td>50%</td>
</tr>
<tr>
<td>2018</td>
<td>15</td>
<td>50%</td>
<td>15</td>
<td>50%</td>
</tr>
</tbody>
</table>

**Characteristic 5: Admission Criteria**
Description of admission factors.
https://ph.utexas.edu/prospective-graduate-students/admissions

**Characteristic 6: Number of Core Faculty**
For each of the three most recent years, report the number of core faculty.
- Academic Year 2016: 70
- Academic Year 2017: 74
- Academic Year 2018: 67

**Comments**
This figure (67) includes all GSC members, 1/4 of whom are faculty from outside of the Physics Department proper. The number at left represents faculty eligible for participation in the PhD program. The number of faculty who are currently actively involved is 52 (which is the number of Tenure-Track Physics Faculty).

**Characteristic 7: Core Faculty External Grants**
For each of the three most recent years, report (1) the number of core faculty receiving external funds, (2) average external funds per faculty, and (3) total external funds per program per academic year.  

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Number of Core Faculty</th>
<th>Average External Funds per Faculty</th>
<th>Total External Funds per Academic Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>51</td>
<td>504,182</td>
<td>25,713,290</td>
</tr>
<tr>
<td>2017</td>
<td>51</td>
<td>412,031</td>
<td>21,013,567</td>
</tr>
<tr>
<td>2018</td>
<td>49</td>
<td>340,625</td>
<td>16,690,638</td>
</tr>
</tbody>
</table>

*All external funds received by core faculty from any source including research grants, training grants, gifts from foundations, etc., reported as expenditures.*
**Comments**

Figures from the GSIS system rely on the current definition of ‘Core Faculty’ as stated elsewhere in this report.

**Characteristic 8: Core Faculty Activities**

For each of the three most recent years, report the average number of discipline-related refereed papers or publications, books or book chapters, juried creative or performance accomplishments, and notices of discoveries files or patents issued per core faculty member. If figures include duplicate entries for co-authored publications, indicate the number of duplicate entries in a note.

Academic Year 2016: 9.31  
Academic Year 2017: 8.74  
Academic Year 2018: 9.43

**Comments**

All periods run Jan. 1-Dec. 31 (2018–19 = 2018); all data is from CVs, EBSCO INSPEC, & Web of Science; prior to 2011-2012, the Core Faculty # was taken to include only professors in the Department of Physics (those most actively involved in graduate education in Physics).

**Characteristic 9: Faculty Diversity**

For each of the three most recent years, report core faculty by ethnicity (White, Black, Hispanic, Other) and gender.

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Gender</th>
<th>White</th>
<th>Black</th>
<th>Hispanic</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>Male</td>
<td>53</td>
<td>1</td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Female</td>
<td>3</td>
<td>0</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>2017</td>
<td>Male</td>
<td>56</td>
<td>1</td>
<td>1</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Female</td>
<td>3</td>
<td>0</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>2018</td>
<td>Male</td>
<td>52</td>
<td>1</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Female</td>
<td>3</td>
<td>0</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

**Comments**

"Other" includes Non-U.S. Citizens.

**Characteristic 10: Student Diversity**

For the three most recent years, report the Fall Enrollment headcount by ethnicity (White, Black, Hispanic, Other), gender, and residency status (Texas, out-of-state, etc.) in program during the prior year.

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Gender</th>
<th>White</th>
<th>Black</th>
<th>Hispanic</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>Male</td>
<td>62</td>
<td>1</td>
<td>7</td>
<td>93</td>
</tr>
<tr>
<td></td>
<td>Female</td>
<td>14</td>
<td>0</td>
<td>3</td>
<td>13</td>
</tr>
<tr>
<td>2017</td>
<td>Male</td>
<td>61</td>
<td>1</td>
<td>6</td>
<td>92</td>
</tr>
<tr>
<td></td>
<td>Female</td>
<td>14</td>
<td>0</td>
<td>2</td>
<td>14</td>
</tr>
<tr>
<td>2018</td>
<td>Male</td>
<td>53</td>
<td>1</td>
<td>7</td>
<td>90</td>
</tr>
</tbody>
</table>


**Female**

|   | 13 | 0 | 2 | 12 |

**Comments**

"Other" includes Non-U.S. Citizens.

**Characteristic 11: Student to Core Faculty Ratio**

For each of the three most recent years, report the average of full-time student equivalent (FTSE) / average of full-time faculty equivalent (FTFE) of core faculty.

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Average Full-time Student Equivalent</th>
<th>Number of Core Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>193</td>
<td>70</td>
</tr>
<tr>
<td>2017</td>
<td>190</td>
<td>74</td>
</tr>
<tr>
<td>2018</td>
<td>178</td>
<td>67</td>
</tr>
</tbody>
</table>

**Characteristic 12: Date of Last Review**

Date of last formal external review.

November 2017

**Characteristic 13: External Program Accreditation**

Name of body and date of last program accreditation review, if applicable.

N/A

**Characteristics of Research Programs**

**Characteristic 14R: Percentage of Full-time Students**

Percentage of students enrolled (headcount) for the last three fall semesters.

Academic Year 2016: 94.2%
Academic Year 2017: 95%
Academic Year 2018: 94.2%

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5 UT Austin awards five Professional Doctoral Degrees: Doctor of Audiology (AuD), Doctor of Pharmacy (PharmD), Doctor of Nursing Practice (DNP), Doctor of Jurisprudence (JD), and Doctor of Medicine (MD). All other doctoral degrees awarded by UT Austin are designated as Research Doctoral Degrees.

6 This report includes only students enrolled full time in the fall semester of the given year. Full-time enrollment is defined as enrollment for 9 hours or more of course work.
Characteristics of Texas Public Doctoral Programs as of Fall 2019

Comments

**Characteristic 15R: Average Institutional Financial Support Provided**
For those receiving financial support, report the average monetary institutional support provided per full-time graduate student for the past three years from assistantships, scholarships, stipends, grants, and fellowships (does not include tuition or benefits). If you wish to indicate tuition and benefits in addition to the Responses here, please include amounts and reason in "Comments".

Academic Year 2016: 23,807
Academic Year 2017: 25,713
Academic Year 2018: 27,377

Comments

**Characteristic 16R: Percentage Full-time Students with Institutional Financial Support**
For each of the three most recent years, report the percentage of FTS with at least $1000 of annual support.

Academic Year 2016: 100%
Academic Year 2017: 100%
Academic Year 2018: 100%

Comments

**Characteristic 17R: Faculty Teaching Load**
For each of the three most recent years, report the total number of semester credit hours in organized teaching courses taught per academic year by core faculty divided by the number of core faculty.

Academic Year 2016: 357.3
Academic Year 2017: 353.5
Academic Year 2018: 356.1

Comments

We believe that the GSIS numbers provided for this metric take the Physics semester credit hours and apply the new Core Faculty definition without including the semester hours taught by the additional faculty members in other departments.

Thus the number in GSIS is consistently off by the ratio of the two definitions of ‘Core Faculty’.

The current methodology also uses the GSC count from the current year and does not historicize the numbers.

**Characteristic 18R: Student Publications & Presentations**
For the three most recent years, report the number of discipline-related papers & publications, juried creative or performance accomplishments, book chapters, books, and external presentations per year by
student FTE. If figures include duplicate entries for co-authored publications, indicated the number of duplicate entries in a note.

Academic Year 2016: 491  
Academic Year 2017: 505  
Academic Year 2018: 498

Comments

Characteristics of Professional Programs

Characteristic 19P: Average Tuition and Fees to Complete the Degree  
For the three most recent years, report the combined annual tuition and program-specific fees multiplied by the average number of years that graduate students took to complete the degree.

Academic Year 2016: N/A  
Academic Year 2017: N/A  
Academic Year 2018: N/A

Comments

Characteristic 20P: Students Passing Licensure Exams  
For the three most recent years, report the number and percentage of students in the cohort passing licensure exams. Include both first-time and repeat test takers. If there is no relevant licensure exam for the discipline, write "not applicable."

Academic Year 2016: N/A  
Academic Year 2017: N/A  
Academic Year 2018: N/A

Comments