

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.

| | |
|--|-------------------------|
| Industrial, Manufacturing, and Systems Engineering | Department |
| Industrial Engineering GR-PHD-IE | Doctoral Degree Program |
| Research | Category |

| | | | | |
|---|---|--------------|--------------|--------------|
| 1 | Number of Doctoral Degrees Awarded Per Year (3 most recent years) <i>Report the number of doctoral degrees awarded for each of the 3 most recent years.</i> | FY 2015-2016 | FY 2016-2017 | FY 2017-2018 |
| | | 2 | 8 | 2 |

| | | | | |
|---|---|-----------|-----------|-----------|
| 2 | Graduation Rates (3 most recent years) <i>Report the percentage of doctoral students who graduated within 10 years for each of the 3 most recent years. Graduation rates are based on the methodology used in the Accountability System, which uses CMB001 data to identify students beginning a program at a specified time and uses CMB009 data to track students from that cohort who graduated within the following 10-year period.</i> | Fall 2015 | Fall 2016 | Fall 2017 |
| | | 83% | 100% | 67% |

| | | | | |
|---|--|--------------|--------------|--------------|
| 3 | Average Time to Degree (3 most recent years) <i>Report the average of graduates' time to degree for each of the most recent 3 years. For each academic year, "time to degree" is defined as beginning the year students matriculated with a doctoral degree objective until the year they graduated.</i> | FY 2015-2016 | FY 2016-2017 | FY 2017-2018 |
| | | 5.9 | 4.7 | 3.2 |

| | | | | | | | | |
|---------|---|-------------------------------|---------|-----------|---------|-----------|---------|------|
| 4 | Employment Profile (3 most recent years) <i>Report the number and percentage of graduates employed in their field within one year of graduation, those still seeking employment, and unknown for each of the 3 most recent years. Employment includes full-time self-employment, private practice residency, fellowship, and other opportunities for further training or education.</i> | Fall 2015 | | Fall 2016 | | Fall 2017 | | |
| | | Number | Percent | Number | Percent | Number | Percent | |
| | | Employed (In their Field) | 1 | 50% | 6 | 75% | 2 | 100% |
| | | Employed (Not in their Field) | | | | | | |
| | | Still seeking employment | | | | | | |
| Unknown | 1 | 50% | 2 | 25% | | | | |

| | | | | | | | |
|---|---|---|--|--|--|--|--|
| 5 | Admissions Criteria (most recent year) Provide a description of key admission factors | http://www.depts.ttu.edu/iweb/grad/admissions.php | | | | | |
| | | 1) Graduate School Application 2) Official Transcripts 3) Official copy of the TOEFL scores (for international students) 4) GRE scores 5) Three Letters of Recommendation | | | | | |

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | Core Faculty (3 most recent years) <i>Report the number of core faculty for each of the 3 most recent years. "Core faculty" is defined as appropriately credentialed individuals integral to the doctoral program, such as those who teach courses, mentor students, or serve on dissertation committees. Programs leading to Doctor of Medicine (MD) and Doctor of Osteopathic Medicine (DO) degrees are not required to report this characteristic.</i> | Fall 2015 | Fall 2016 | Fall 2017 |
| | | 11 | 13 | 13 |

| | | | | |
|---|--|-----------------|-----------------|-----------------|
| 7 | Core Faculty Activities (3 most recent years) <i>Report the average number of discipline-related referred papers/publications, juried creative/performance accomplishments, and notices of discoveries filed/patents issued per core faculty member for each of the 3 most recent years. If figures include duplicate entries for co-authored publications, indicate the number of duplicate entries in a note. Additional noteworthy faculty activities or awards may be explained in an attached comment. MD and DO programs are not required to report this characteristic.</i> | Fall 2015 | Fall 2016 | Fall 2017 |
| | | 2.64 (29 total) | 2.75 (33 total) | 4.23 (55 total) |

| | | | | | | | |
|---|---|------------------|------------|------------|------------|-----------|--|
| 8 | Core Faculty External Grants (3 most recent years) <i>Report the number of core faculty receiving external funds, average external funds per core faculty member, and total external funds per program for each of the 3 most recent years. Include all external funds received by core faculty and reported expenditures for any source, including research grants, training grants, gifts from foundations, etc. MD and DO programs are not required to report this characteristic.</i> | Fall 2015 | | Fall 2016 | | Fall 2017 | |
| | | Number of Grants | 6 | 3 | 6 | | |
| | | Average grant \$ | \$ 142,164 | \$ 70,962 | \$ 95,658 | | |
| | | Total grant \$ | \$ 852,984 | \$ 212,885 | \$ 573,948 | | |

| | | | | | | | | |
|---|--|---|--------|-----------|--------|-----------|--------|---|
| 9 | Faculty Diversity (3 most recent years) <i>Report the number of core faculty by gender and ethnicity (White, Hispanic, Black or African American, Asian, American Indian or Alaskan Native, International, Unknown or Not Reported, Native Hawaiian or Other Pacific Islander) for each of the 3 most recent years. MD and DO programs are not required to report this characteristic.</i> | Fall 2015 | | Fall 2016 | | Fall 2017 | | |
| | | Male | Female | Male | Female | Male | Female | |
| | | White | 4 | 1 | 5 | 1 | 5 | 1 |
| | | Black or African American | | | | | | |
| | | Hispanic | 2 | | 2 | | 2 | |
| | | Asian | 3 | 1 | 3 | 1 | 2 | 1 |
| | | American Indian or Alaskan Native | | | | | | |
| | | International | | | 1 | | 2 | |
| | | Native Hawaiian or Other Pacific Islander | | | | | | |
| | | Unknown/Not Reported | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----------|---|---------------------------|--------|---------------------------|--------|----------------------------|--------|----------------|--------|---------------------------|--------|----------------------------|--------|----------------|--------|---------------------------|--------|----------------------------|--------|--|
| 10 | Student Diversity (3 most recent years) <i>Report the fall semester headcount by gender, ethnicity (White, Hispanic, Black or African American, Asian, American Indian or Alaskan Native, International, Unknown or Not Reported, Native Hawaiian or Other Pacific Islander) and residency status (Texas resident, out-of-state non-resident, and international non-resident) in the program for each of the 3 most recent years. International non-resident students should include all students paying resident tuition rates because of waivers.</i> | Fall 2015 | | | | | | Fall 2016 | | | | | | Fall 2017 | | | | | | |
| | | Texas Resident | | Out-of-State Non-Resident | | International Non-Resident | | Texas Resident | | Out-of-State Non-Resident | | International Non-Resident | | Texas Resident | | Out-of-State Non-Resident | | International Non-Resident | | |
| | | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | |
| | | White | | 1 | | | | | 1 | | | | | | | | | | | |
| | | Black or African American | | | | | | | | | | | | | | | | | | |
| Hispanic | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | |
|---|---|--|---|--|----|--|---|--|---|--|--|----|---|---|--|---|----|---|
| Asian | | | | | | | | | | | | | | | | | | |
| American Indian or Alaskan Native | | | | | | | | | | | | | | | | | | |
| International | 1 | | 1 | | 19 | | 8 | | 1 | | | 24 | 8 | 1 | | 1 | 19 | 4 |
| Native Hawaiian or Other Pacific Islander | | | | | | | | | | | | | | | | | | |
| Unknown/Not Reported | | | | | | | | | | | | | | | | | | |

| | | |
|----|--|----------------------------------|
| 11 | External Program Accreditation <i>Name of accrediting body and date of last program accreditation review, if applicable.</i> | Name of accrediting body: N/A |
| | | Date of last Program Review: N/A |

| | | | | |
|----|---|-----------|-----------|-----------|
| 12 | Student-Core Faculty Ratio (3 most recent years) <i>Report the number of full-time student equivalents divided by the number of full-time faculty equivalents of core faculty for each of the 3 most recent years. MD and DO programs are not required to report this characteristic.</i> | Fall 2015 | Fall 2016 | Fall 2017 |
| | | 2.14 | 1.92 | 1.69 |

| | | |
|----|--|------------|
| 13 | Date of Last External Review <i>Date of last formal external review.</i> | Date: 2019 |
|----|--|------------|

| | | | | |
|----|---|-----------|-----------|-----------|
| 14 | Percentage of Full-time Students (3 most recent years) <i>Report the fall semester's number of full-time students equivalents divided by the headcount number of students enrolled for each of the 3 most recent years. Definition of "full-time: is 18 semester credit hours (SCH) per year.</i> | Fall 2015 | Fall 2016 | Fall 2017 |
| | | 83% | 82% | 84% |

| | | | | |
|----|---|-----------|-----------|-----------|
| 15 | Average Institutional Financial Support Provided (3 most recent years) <i>For those receiving financial support, report the</i> | Fall 2015 | Fall 2016 | Fall 2017 |
| | | \$ 20,653 | \$ 23,421 | \$ 13,524 |

| | | | | |
|----|--|-----------|-----------|-----------|
| 16 | Percentage Full-time Students with Institutional Financial Support (3 most recent years) <i>Report the percentage of full-time students with at least \$1,000 of annual support for each of the 3 most recent years.</i> | Fall 2015 | Fall 2016 | Fall 2017 |
| | | 40% | 42% | 80% |

| | | | | |
|----|---|-----------|-----------|-----------|
| 17 | Faculty Teaching Load (3 most recent years) <i>Report the total number of SCH in organized teaching courses taught per academic year by core faculty divided by the number of core faculty for each of the 3 most recent years. Organized classes include lecture, laboratory, and seminar courses.</i> | Fall 2015 | Fall 2016 | Fall 2017 |
| | | 12 | 15 | 12 |

| | | | | |
|----|--|--------------------|--------------------|--------------------|
| 18 | Student Publications/Presentations (3 most recent years) <i>Report the number of discipline-related refereed papers/publications, juried creative/performance accomplishments, and external presentations per year for each of the 3 most recent years. If figures include duplicate entries for co-authored publications, indicate the number of duplicate entries in a note.</i> | Calendar Year 2015 | Calendar Year 2016 | Calendar Year 2017 |
| | | .37 (11 total) | .86 (24 total) | 1.86 (104 total) |