

Texas Higher Education Coordinating Board
 University of Texas at Dallas
 18 Characteristics of Doctoral Programs in the Erik Jonsson School

Electrical Engineering, EE-Microelectronics, EE-Telecommunications
 CIP code 14.1001.00

1. Number of Degrees Awarded per Academic Year

Academic Year	Electrical Engineering	EE-Microelectronics	EE-Telecommunications
2007-08	14	1	1
2008-09	4	3	0
2009-2010	20	9	N/A*
3-year average	12.67	4.33	0.33

Overall 3-year average for CIP code 14.1001.00: 13.00

*The Coordinating Board has approved the University's petition to discontinue the EE-Telecommunications major at the doctoral level. There will be no further graduates in this major.

2. Percent of First-year Doctoral Students Who Graduate Within Ten Years

Cohort	10-year graduation rate
1998 fall	60.00%
1999 fall	66.67%
2000 fall	50.00%
3-year average	58.89%

3. Average Time to Degree *

Academic Year	EE Semesters to degree**	EEM Semesters to degree	EET Semesters to degree
2007-2008	11.57	12.00	19.00
2008-2009	11.97		
2009-2010	15.45	13.56	N/A

**At the University of Texas at Dallas, there are 3 semesters in every calendar year.

4. Employment Profile

Position title	First Position	Second Position
Postdoctoral researcher, fellow or associate	13%	12%
Tenure-track faculty position at a PhD-granting university	0%	0%
Tenure-track faculty position at a 4-year college or non-PhD-granting university	0%	0%
Non-tenure-track faculty position at a PhD-granting university	0%	0%
Non-university administrative position	0%	0%
Research position with college or university	0%	0%
Research position in public, non-profit or private sector	31%	44%
Professional practice with an independent firm	12%	6%
Employed in design	25%	19%
Employed in customer support	6%	0%
Not employed for pay	0%	6%
Other	13%	12%
Summary:		
Academia	12%	12%
Non-academia	88%	88%

5. Admissions Criteria

- Master's degree in electrical engineering or a closely associated discipline from an accredited U.S. institution, or from an acceptable foreign university. ·Consideration will be given to highly qualified students wishing to pursue the doctorate without satisfying all of the requirements for a master's degree.
- Grade point average in graduate course work of 3.5 or better on a 4-point scale. ·GRE scores of 500, 700 and 4 for verbal, quantitative and analytical writing components, respectively, are advisable.
- Three letters of recommendation.
- Narrative describing motivation for doctoral study and how it relates to one's professional goals.
- For students who are interested in a Ph.D. but are unable to attend school full-time, there is a part-time option. The guidelines for admission to the program and the degree requirements are the same as for full-time Ph.D. students.

6. Percentage of Full-time Students with Financial Support (Fall 2009): 76.2%

7. Average Financial Support Provided

Average tuition per student: \$3676

Average salary per student: \$9000

8. Student-Core Faculty Ratio

Electrical Engineering	EE-Microelectronics	EE-Telecommunications
3.12	1.06	0.0

9. Core Faculty Publications

Year	Electrical Engineering	EE-Microelectronics	EE-Telecommunications
2006-2007	507	195	241
2007-2008	487	175	252
2008-2009	390	140	202
3-year total	1,384	510	695

10. Core Faculty External Grants

Total FY08: \$7,149,357
Average: \$162,485

11. Percentage Full-Time Students

Fall 2005: 69%
Fall 2006: 88%
Fall 2007: 71%

12. Full-Time Equivalent Number of Core Faculty

Electrical Engineering	EE-Microelectronics	EE-Telecommunications
37.5	24.5	13.0

Note: Some core faculty also contribute to other doctoral programs.

13. Faculty Teaching Load

ECS Faculty Teaching Load: FALL 2008

	Electrical Engineering, EE-Microelectronics, EE-Telecommunications
Total # semester credit hours F08	5,058
Total semester credit hours ÷ number core faculty: F08	114.7
Total # semester credit hours F08, Sp09, Su09	10,923
Total semester credit hours ÷ number core faculty: F08, Sp09, Sum09	248.25

ECS Faculty Teaching Load: SPRING 2009

	Electrical Engineering, EE-Microelectronics, EE-Telecommunications
Total # semester credit hours Spr 2009	5,154
Total semester credit hours ÷ number core faculty	117.13
Total # semester credit hours F08, Sp09, Su09	10,923
Total semester credit hours ÷ number core faculty: F08, Sp09, Sum09	248.25

ECS Faculty Teaching Load: **SUMMER 2009**

	Electrical Engineering, EE-Microelectronics, EE- Telecommunications
Total # semester credit hours Summer 2009	721
Total semester credit hours ÷ number core faculty	16.38
Total # semester credit hours F08, Sp09, Su09	10,923
Total semester credit hours ÷ number core faculty: F08, Sp09, Sum09	248.25

14. Faculty Diversity

Male: White = 26; Other = 17
 Female: Other = 1

15. Student Diversity

Male: White = 32; Black = 6; Hispanic = 4; Other = 131
 Female: White = 2; Hispanic = 2; Other = 33

16. Date of Last External Review

2008

17. External Program Accreditation

In the United States, the engineering accreditation agency, ABET, does not accredit engineering doctoral programs. All of our current Bachelor's programs in engineering and computer science are ABET-accredited. The Jonsson School's doctoral programs were reviewed recently as part of the successful reaffirmation of UTD's accreditation by the cognizant regional accrediting agency, the Southern Association of Colleges and Schools.

18. Student Publications/Presentations (Few students publish or present independently; they primarily do this activity in collaboration with their mentoring professors)