

UNIT REPORT

Electrical Engineering MS - Final
Annual Report

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Electrical and Computer Engineering MS

Start: 07/01/2017

End: 06/30/2018

Reporting Year: 2017-2018

Providing Department: Electrical Engineering MS

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Mission/Vision/Goal Statement:

Provide quality undergraduate and graduate education and perform research in the areas of electrical and computer engineering to enhance the competitiveness of our graduates and contribute to economic, scientific, and social development.

The Program Goals of TTU MSECE programs are:

1. Graduates of the M.S. program will have the technical competence to be successful in the chosen area of study in electrical and computer engineering professional practice or research.
2. Graduates of the M.S. program will have the skills to undertake technically sound analysis independently and present their work at professional meetings or publish their work in scholarly journals.
3. Graduates of the M.S. program will have the technical competence to successfully undertake further advanced study at the doctoral level in electrical and computer engineering or a related area, and pursue lifelong learning through professional education.

Outcome 1

Progress: Completed

Define Goal:

Intended Outcomes / Objectives:

The Student Learning Outcomes of the MSECE program are:

Students of the MS program in Electrical and Computer Engineering will be able to:

1. Demonstrate clear understanding of the chosen area of emphasis in electrical and computer engineering covered in course material in the graduate program.

Outcome 2

Progress: Completed

Define Goal:

Intended Outcomes / Objectives:

The Student Learning Outcomes of the MSECE program are:

Students of the MS program in Electrical and Computer Engineering will be able to:

Survey Questions	2013-2014 (7 students evaluated)	2014-2015 (5 students evaluated)	2015-2016 (4 students evaluated)	2016-2017 (10 students evaluated)
1	3.59	3.75	3.83	3.68
2	3.61	3.63	3.53	3.71
3a	3.34	3.61	3.66	3.87
3b	3.52	3.61	3.73	3.64
3c	3.52	3.78	3.76	3.70
3d	3.46	3.69	3.77	3.62
3e	3.51	3.45	3.81	3.58
3f	3.54	3.8	3.79	3.52
3g	3.41	3.6	3.41	3.67

Results: Record of Presentations and Publications

Results:

The following table lists the number of MS students who either gave presentations and/or published scholarly papers.

Academic Year	Student Research Day	Publications
2016 - 2017	6	9
2015 - 2016	5	2
2014 - 2015	0	3
2013 - 2014	3	4
2012 - 2013	3	3
2011 - 2012	3	6
2010 - 2011	4	7

Continuous Improvement

Goal/Objective/Outcome Number: 1-3

Program Changes and Actions due to Results:

No specific improvements were identified this year.

Assessment Plan Improvement

Improvements to Assessment Plan:

Faculty participation in evaluation of student posters at Research Day event needs to increase.