Degree Program Assessment Plan

Degree Program - ENG - Electrical Engineering (BSEE)

CIP Code: 14.1001.00
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Program Purpose Statement: The mission of Texas Tech University is to provide the highest standard of excellence in higher education while pursuing continuous quality improvement, stimulating the greatest degree of meaningful research, and supporting faculty and staff in satisfying those we serve. The Department of Electrical and Computer Engineering supports the mission of the university through its undergraduate programs by providing students with appropriate curricula and educational experiences. The curricula remain current through continuing assessment by employers, alumni, faculty, and students. Students obtain a broad education necessary to understand the impact of electrical and computer engineering solutions in a global, societal, and environmental context.

Student Learning Outcome: Student Learning Outcome 1
An ability to use the principles of science and mathematics to identify, formulate and solve engineering problems.
Outcome Status: Active
Outcome Type: Student Learning

Assessment Methods

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<tr>
<th>Assessment Method</th>
<th>Description</th>
<th>Criterion</th>
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<tbody>
<tr>
<td>Student Exit Survey</td>
<td>Student Exit Survey (Active)</td>
<td>&gt; 3.5</td>
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<tr>
<td>Course Evaluation</td>
<td>Student Course Learning Outcomes (SCLO) (Active)</td>
<td>&gt; 3.5</td>
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<tr>
<td>Course Evaluation</td>
<td>Faculty Course Learning Outcomes (FCLO) (Active)</td>
<td>&gt; 3.5</td>
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Student Learning Outcome: Student Learning Outcome 2
An ability to apply both analysis and synthesis in the engineering design process, resulting in designs that meet constraints and specifications. Constraints and specifications include societal, economic, environmental, and other factors as appropriate to the design.
Outcome Status: Active
Outcome Type: Student Learning

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Student Learning Outcome: Student Learning Outcome 3

An ability to develop and conduct appropriate experimentation and testing procedures, and to analyze and draw conclusions from data.

Outcome Status: Active
Outcome Type: Student Learning

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