Degree Program Assessment Plan

Degree Program - ENG - Bioengineering (MS)

CIP Code: 14.0501.00
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Student Learning Outcome: Core Knowledge
Students will demonstrate advanced knowledge in a core area consistent with the focus of the program

Outcome Status: Active
Outcome Type: Student Learning
Start Date: 06/15/2015

Assessment Methods

- **Thesis** - A rubric will be used to evaluate the theses for Core Knowledge
  (Active)
  - **Criterion:** 80% of the theses will achieve or exceed the metric 4 (on a scale of 1-5 in rubric)
  - **Schedule:** During their final year if thesis option student

- **Master's Comprehensive Exam** - Master's Comprehensive Exam A rubric will be used to evaluate the master's comprehensive exams for Core Knowledge
  (Active)
  - **Criterion:** 80% of the master's comprehensive exams will achieve or exceed the metric 4 (on a scale of 1-5 in rubric)
  - **Schedule:** In final year if coursework option MS

- **Course Level Assessment** - Independent grades in associated classes
  (Active)
  - **Criterion:** Students must maintain at least a 3.0

Student Learning Outcome: Research Methods and Analysis
Students will demonstrate quantitative and qualitative skills in the design, analysis, and presentation of research projects that is consistent with the focus of the program

Outcome Status: Active
Outcome Type: Student Learning
Start Date: 06/15/2015
Assessment Methods

**Thesis** - A rubric will be used to evaluate the theses for Research Methods and Analysis (Active)

**Criterion:** 80% of the theses will achieve or exceed the metric 4 (on a scale of 1-5 in rubric)

**Schedule:** Annually

**Master's Comprehensive Exam** - Master’s Comprehensive Exam A rubric will be used to evaluate the master’s comprehensive exams for Research Methods and Analysis (Active)

**Criterion:** 80% of the master's comprehensive exams will achieve or exceed the metric 4 (on a scale of 1-5 in rubric)

**Schedule:** Annually

**Student Projects** - Based on students who do research in the laboratory related to thesis options. (Active)

**Criterion:** 90% of the students doing research will have one of the following upon graduation: Perr reviewed publication, oral presentation at a national conference or a published conference proceeding.

**Schedule:** Upon graduation

Student Learning Outcome: Scholarly Communication

Students will become better written and oral communicators as consistent with the focus of the program

**Outcome Status:** Active

**Outcome Type:** Student Learning

**Start Date:** 06/15/2015

Assessment Methods

**Thesis** - A rubric will be used to evaluate the theses for Scholarly Communication (Active)

**Criterion:** Students must defend their research project in both written and oral delivery with a passing grade

**Schedule:** Final year

**Master's Comprehensive Exam** - Master’s Comprehensive Exam A rubric will be used to evaluate the master’s comprehensive exams for Scholarly Communication (Active)

**Criterion:** 80% of the master's comprehensive exams will achieve or exceed the metric 4 (on a scale of 1-5 in rubric)

**Schedule:** Final year

Student Learning Outcome: Professionalism

Students will know and participate in the intellectual and organizational aspects of the profession as applicable to the program

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### Degree Program - ENG - Bioengineering (MS)

**Outcome Status:** Active  
**Outcome Type:** Student Learning  
**Start Date:** 06/15/2015

#### Assessment Methods

| **Professional Development Activities** | Students are expected to attend seminars related to bioengineering in various departments.  
(Active) |
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<tbody>
<tr>
<td><strong>Criterion:</strong></td>
<td>100% of the students will attend seminars in interdisciplinary programs.</td>
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<td><strong>Schedule:</strong></td>
<td>Annually</td>
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Page 3 of 3