Degree Program - ENG - Industrial Engineering (PHD)

CIP Code: 14.3501.00  
Disciplinary Accrediting Body: 14.3501.00  
Next Accrediting Agency Review: 15-16  
Degree Program Coordinator: Jennifer Cross  
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Program Purpose Statement: Help PhD students pursue leadership positions in research, manufacturing, government, and consulting organizations.  
Modality: Face-to-Face

### Student Learning Outcome: Communication

Students will demonstrate ability to effectively communicate through oral and written means.  
**Outcome Status:** Active  
**Outcome Type:** Student Learning  
**Start Date:** 08/24/2015

**Assessment Methods**

- **Dissertation - Proposal Defense – Communication Rubric (Active)**  
  **Criterion:** 80% of students will score at least 3.0/4.0 on the rubric.  
  **Schedule:** Every year. Assessment will start 08/25/2015. Data will be collected every time exam is offered by student’s examining committee and results compiled.

- **Professional Development Activities - Conference Presentation (Active)**  
  **Criterion:** 70% of students will have at least one conference presentation with a paper within 3 years of their graduation.  
  **Schedule:** Every year. Assessment will start 08/25/2015. Data will be collected using faculty polling and search engines.

### Student Learning Outcome: Professional Settings

Students will demonstrate ability to work effectively in professional settings.  
**Outcome Status:** Active  
**Outcome Type:** Student Learning  
**Start Date:** 08/24/2015

**Assessment Methods**

- **Employment - LinkedIn Searching – Job Placement (Active)**  
  **Criterion:** 70% of students with industry or academic placement within 1 academic year of graduation.  
  **Note:** Prior to 2018-19 a Student Exit Survey was used.  
  **Schedule:** Every year. Data will be collected each year during the Spring semester for the previous academic year’s graduates.
**Student Exit Survey - PhD Exit Survey – Teamwork Questions (Active)**

**Criterion:** Pre-2017-2018: 90% of students will score at least 8.0/10.0 on the questions related to their experience working in teams in the program.
2017-2018 and beyond: 80% of students will score at least 8.0/10.0 on the questions related to their experience working in teams in the program.

**Schedule:** Every year. Assessment will start 08/25/2015. Data will be collected as a co-requirement with the PhD Final Exam every time that exam is offered and results compiled.

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**Student Learning Outcome: Fundamental Concepts**

Students will demonstrate fundamental knowledge of industrial engineering (IE) concepts.

**Outcome Status:** Active

**Outcome Type:** Student Learning

**Start Date:** 08/24/2015

**Assessment Methods**

**Qualifying Exam - Qualifying Exam (Active)**

**Criterion:** 90% of students will pass the exam the first time.

**Schedule:** Every year. Assessment will start 08/25/2015. Data will be collected every time exam is offered and results compiled.

**Professional Development Activities - Journal Publications (Active)**

**Criterion:** 80% of students will have at least one peer reviewed journal publication within 3 years of their graduation.

**Schedule:** Every year. Assessment will start 08/25/2015. Data will be collected using faculty polling and search engines.