

SOE Program Educational Objective (PEO) Assessment Survey

FACULTY PEO ASSESSMENT SURVEY To maintain our accreditation we must survey REVIEW and REVISE the Program Educational Objectives (PEOs) of our programs. We would very much appreciate your feedback, the details can be discussed during the smaller wrap-up sessions. As faculty, you are asked for feedback regarding PEOs of all programs (not just the program where you teach).

1. What is your name?

2. What is the job title for your current position?

3. What is your E-mail address?

Computer Engineering PEO assessment

In this section we gather PEO assessment feedback for **Computer Engineering**.

1. Domain Knowledge: Alumni apply their in-depth understanding in areas of computer systems to solve computer systems related problems with real-world constraints (i.e., constraints on performance, budget, and scheduling, etc) . They solve problems in a modern technological society in the professional environment of their employment, as productive engineers and/or enter and succeed in a graduate program

Strongly Agree

Agree

N/A

Disagree

Strongly Disagree

The PEO is OK as written

What would you change?

SOE Program Educational Objective (PEO) Assessment Survey

2. Professional Practice: Alumni practice engineering design, problem-solving skills and aptitude for innovation and communication skills as they function effectively, both individually and within multidisciplinary teams

| | | | | | |
|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | Strongly Agree | Agree | N/A | Disagree | Strongly Disagree |
| The PEO is OK as written | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What would you change?

3. Lifelong Learning: Alumni continue to develop engineering design abilities, problem-solving skills, and aptitude for innovation and communication skills as they function effectively, both individually and within multidisciplinary teams

| | | | | | |
|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | Strongly Agree | Agree | N/A | Disagree | Strongly Disagree |
| The PEO is OK as written | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What would you change?

SOE Program Educational Objective (PEO) Assessment Survey

4. Engineering Citizenship: Alumni practice professional ethics with social responsibility in the framework of a global technical community. Alumni promote justice in all matters and are of service to the community

| | Strongly Agree | Agree | N/A | Disagree | Strongly Disagree |
|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| The PEO is OK as written | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What would you change?

Electrical Engineering PEO assessment

In this section we gather PEO assessment feedback for **Electrical Engineering**.

1. Domain Competence: BSEE program alumni apply their technical skills in the design and management of electrical systems. They balance technical requirements, quality control, scheduling and cost constraints in the design process

| | Strongly Agree | Agree | N/A | Disagree | Strongly Disagree |
|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| The PEO is OK as written | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What would you change?

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2. Professional Practice: BSEE program alumni practice the profession of electrical engineering as an individual contributor to their discipline or as a contributing member of an interdisciplinary team in a competent and efficient manner

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|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | Strongly Agree | Agree | N/A | Disagree | Strongly Disagree |
| The PEO is OK as written | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What would you change?

3. Lifelong Learning: BSEE program alumni maintain membership in professional societies as part of their commitment to lifelong learning about their profession and its relationship to society

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|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | Strongly Agree | Agree | N/A | Disagree | Strongly Disagree |
| The PEO is OK as written | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What would you change?

SOE Program Educational Objective (PEO) Assessment Survey

4. Engineering Citizenship: BSEE program alumni practice in an ethical and professional manner and are constantly aware of the impact of their efforts on social welfare, safety, and the environment . They promote justice and are of service to their community

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|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | Strongly Agree | Agree | N/A | Disagree | Strongly Disagree |
| The PEO is OK as written | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What would you change?

Mechanical Engineering PEO assessment

In this section we gather PEO assessment feedback for **Mechanical Engineering**.

The Mechanical Engineering Department is committed to graduating engineers who:

1. Apply engineering science to analyze and design energy and mechanical systems

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|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | Strongly Agree | Agree | N/A | Disagree | Strongly Disagree |
| The PEO is OK as written | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What would you change?

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2. Pursue engineering careers or advanced studies in mechanical engineering or related technical fields

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|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | Strongly Agree | Agree | N/A | Disagree | Strongly Disagree |
| The PEO is OK as written | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What would you change?

3. Employ effective communication skills as a team member or team leader in an ethical and professional manner with a sense of social responsibility

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|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | Strongly Agree | Agree | N/A | Disagree | Strongly Disagree |
| The PEO is OK as written | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What would you change?

4. Engage in lifelong learning by contributing to their chosen field, actively participating in professional societies and broadening their professional knowledge with formal and/or informal continuing education

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|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | Strongly Agree | Agree | N/A | Disagree | Strongly Disagree |
| The PEO is OK as written | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What would you change?

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Software Engineering PEO assessment

In this section we gather PEO assessment feedback for **Software Engineering**.

The educational objectives of the program are to produce graduates within three years of graduation who will:

1. be employed in fields of software engineering

| | Strongly Agree | Agree | N/A | Disagree | Strongly Disagree |
|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| The PEO is OK as written | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What would you change?

2. continue the process of life-long learning through formal and informal education

| | Strongly Agree | Agree | N/A | Disagree | Strongly Disagree |
|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| The PEO is OK as written | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What would you change?

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3. communicate effectively

| | | | | | |
|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | Strongly Agree | Agree | N/A | Disagree | Strongly Disagree |
| The PEO is OK as written | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What would you change?

4. practice professional ethics with social responsibility

| | | | | | |
|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | Strongly Agree | Agree | N/A | Disagree | Strongly Disagree |
| The PEO is OK as written | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What would you change?