## Student Outcomes Course Mapping for B.S. in Engineering Science, Picker Engineering Program

### Course Outcomes

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### Technical Domains

- **Application**
  - The student demonstrates an understanding of professional and ethical responsibility.
  - The student demonstrates an ability to evaluate the ethical dimensions of an engineering problem.
  - The student demonstrates an awareness of professional ethics.
  - The student recognizes the diverse skills and knowledge of team members.
  - The student helps to synthesize individual contributions into a coherent whole.
  - The student identifies the global and societal contexts within their engineering work.
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### Core Courses

- **Application**
  - The student demonstrates an ability to use modern tools for measurements.
  - The student demonstrates an ability to use modern tools for design calculations.
  - The student demonstrates an ability to use modern tools for data analysis.
  - The student incorporates relevant published works and data according to proper citation styles.
  - The student articulates gaps in their knowledge.
  - The student is able to articulate gaps in their knowledge.

### Course Outcomes

- **Application**
  - The student identifies the global and societal contexts within their engineering work.
  - The student identifies the environmental context within their engineering work.
  - The student recognizes the diverse skills and knowledge of team members.
  - The student helps to synthesize individual contributions into a coherent whole.

### Technical Domains

- **Application**
  - The student demonstrates an ability to use modern tools for measurements.
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### Performance Indicators

- **Application**
  - The student demonstrates an ability to use modern tools for measurements.
  - The student demonstrates an ability to use modern tools for design calculations.
  - The student demonstrates an ability to use modern tools for data analysis.
  - The student incorporates relevant published works and data according to proper citation styles.