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<th>Performance Indicator</th>
<th>Technical Decision</th>
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**Student Outcomes**

- **Outcome 1**: An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
- **Outcome 2**: An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
- **Outcome 3**: An ability to communicate effectively with a range of audiences.
- **Outcome 4**: An ability to recognize ethical and professional responsibilities in engineering situations and make informed, ethical decisions that consider global, economic, environmental, and societal impacts.
- **Outcome 5**: The student recognizes and utilizes the diverse skills and knowledge of team members.
- **Outcome 6**: An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
- **Outcome 7**: The student demonstrates resilience, adaptability, and iterative learning.

**Performance Indicators**

- The student demonstrates the ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
- The student engages in individual and collaborative tasks and projects to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
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**Course Mapping**

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**Student Outcomes Course Mapping for B.S. in Engineering Science, Pickering Engineering Program**

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