



Cover Sheet for Program-level Student Learning Outcomes

BY:.....

Directions: For each program (e.g., degree, certificate, minor, secondary major, etc.) and level (undergraduate and graduate), please complete separate cover sheets. Feel free to make copies of this sheet if needed. Those graduate programs with an integrated master's and doctoral program may provide one set of cover sheets.

Department / Unit: Industrial and Manufacturing Systems Engineering

Title of Academic Program: Ph.D. in Industrial Engineering

Faculty contact(s) for the list of student learning outcomes for this academic program:

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Type of Degree (check one):

- Checkboxes for Bachelor's, Master's, Ph.D., Ed.D., Certificate, Minor, Secondary major, Associate, Joint Degree, and Other.

List of Student Learning Outcomes for this Degree Program

- 1. Solve advanced engineering problems using discipline appropriate math, science, computation and analysis skills
2. Synthesize and evaluate information
3. Demonstrate advanced knowledge in area of specialization
4. Plan and conduct scholarly activities that make original contributions to the knowledge base in the field of study
5. Communicate effectively in both written and oral forms
6. Recognize of the need for and ability to engage in life-long learning and professional service.