

BY: APR 13, 2005

Cover Sheet for Program-level Student Learning Outcomes

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: Masters of Operations Research

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

Stanley Lee \_\_\_\_\_  
237 Durland Hall \_\_\_\_\_ eslee@ksu.edu \_\_\_\_\_  
532-3730 \_\_\_\_\_

Type of Degree (check one):

- Bachelor's       Master's       Ph.D.       Ed.D.  
 Certificate       Minor       Secondary major       Associate  
 Joint Degree (list the degree types): \_\_\_\_\_  
 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. (a) Recognize and apply state of the art techniques in the field (coursework only)  
(b) Plan and conduct scholarly activities (thesis option)
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.