

VII. STANDING COMMITTEES

A. Academic and Student Affairs Committee

Establishment of the Master of Industrial and Systems Engineering

RECOMMENDED ACTION

It is the recommendation of the administration and the Academic and Student Affairs Committee that the Board of Regents grant authority to the Department of Industrial and Systems Engineering at the University of Washington to offer the Master of Industrial and Systems Engineering degree program, effective Autumn Quarter 2013. This will be a state-based program, offered both onsite and via distance delivery. The degree program will have provisional status with a review to be scheduled for the 2018-2019 academic year. At such time that continuing status is granted, a ten-year review cycle would begin in coordination with regular Department of Industrial and Systems Engineering academic program reviews.

BACKGROUND

In August, 2012, the Graduate School received a full proposal from the graduate faculty in the Department of Industrial and Systems Engineering requesting authority to offer the Master of Industrial and Systems Engineering (MISE) degree. Implementation is planned for Autumn Quarter 2013. This 39-credit program will accommodate both part-time and full-time students. Courses will be offered primarily in the late afternoon and evening to best accommodate a professional audience, and students will be able to attend classes on campus or via distance delivery. At maturity, the program anticipates 35 FTE enrolled students.

The target student population will be domestic and international engineers, scientists, and mathematicians with at least 2 years of work experience in a technical environment who are seeking an advanced degree to further their employment opportunities. The curriculum blends a systems engineering approach with business fundamentals and quantitative engineering decision methods in a practical, problem solving framework. The two primary goals for students are: 1) to develop industrial and systems engineering skills; and 2) to build strategic management skills, particularly those associated with technical leadership in increasingly complex manufacturing and service system environments.

In February, 2013, the Graduate School appointed two reviewers to evaluate the Master of Industrial and Systems Engineering proposal. The reviewers both supported approval of the degree program. Each reviewer also made specific recommendations for improving the program, to which the program provided detailed responses.

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The Graduate School Council met on May 2, 2013, to discuss the degree proposal. The Council recommended that the proposal be forwarded to the Board of Regents for final approval. The Dean of the Graduate School concurred with this recommendation.

The Dean of the Graduate School, the Dean of the College of Engineering, and the Provost have reviewed and approved the recommendation to approve the Master of Industrial and Systems Engineering.