

FLORIDA BOARD OF GOVERNORS

April 30, 2003

SUBJECT: Implementation Authorization for a Ph.D. in Industrial and Systems Engineering at Florida International University

PROPOSED BOARD ACTION

Approve implementation authorization for a Ph.D. in Industrial and Systems Engineering (CIP 14.2701) at Florida International University.

AUTHORITY FOR BOARD OF GOVERNORS ACTION

Article IX, Section 7 (d), Constitution of the State of Florida

BACKGROUND INFORMATION

The proposed Ph.D. in Industrial and Systems Engineering supports FIU's mission by providing education in a high-technology field to urban, place-bound students. It will also have the potential to support the University's international emphasis by serving master's degree-holding instructors in Latin American universities. The program, if approved, will become the second Industrial and Systems Engineering Ph.D. in the State University System. With one of its primary focuses on information systems, the program will provide advanced courses and training to respond to a range of global, regional, and local technological issues. FIU believes that its innovative, cross-disciplinary curriculum will make new solutions possible to emerging local, national, and global industrial problems and will place the recipients of the proposed degree in high demand. The proposal also cites asserts that the proposed program will contribute to more minorities with doctoral degrees to the national labor pool.

Dr Alice E. Smith, Chair of the Department of Industrial and Systems Engineering at Auburn University, was retained as a consultant to review the proposal. She identified two important distinctions that could engender the program's success: specifically serving the clientele located in the Miami area, and concentrating in the high-demand subject matter of enterprise systems. Additionally, a site visit was conducted in April 2003, and local industries were extremely supportive of the proposed program. FIU's Board of Trustees approved this Ph.D. at its September 10, 2002. If approved, the University plans to implement the program in August 2003.

Supporting Documentation Included:
Facilitators / Presenters:

Summary Information
R. E. LeMon

**FIU Ph.D in Industrial and Systems Engineering
Summary Information**

Estimated Costs:

	Total	% & \$ Current	% & \$ New	% & \$ C&G	Cost per FTE
Year 1	\$206,422	\$116,120 56%	\$51,802 25%	\$38,500 19%	\$29,485
Year 5	\$603,507	\$234,653 39%	\$86,854 14%	\$282,000 47%	\$20,056

Projected FTE and Student Headcount:

	Projected Headcount	Student FTE
First Year	8	3.94
Second Year	13	7.59
Third Year	19	11.34
Fourth Year	25	15.28
Fifth Year	27	16.03