



To meet the career needs of 21st Century technical managers, the University of Florida offers an Engineering Management master's degree program to working professionals. This joint program between UF's College of Engineering and the Master of Business Administration (MBA) program of UF's Warrington College of Business enables students to earn a master's degree in Industrial & Systems Engineering with a specialization in engineering management.

The class sequence begins every fall. One business and one engineering course are offered each term. The classes are presented live by UF engineering and business faculty one weekend per month, with two full days of instruction (Saturday and Sunday). Due to the nature of the program, all coursework must be taken in sequence with all the other students in the class. Students complete the program in 20 months.

Much of the work is done in groups. This approach is used for case studies and presentations in both the engineering and the business classes. Teams are often organized so that students who live in the same geographic area can work together outside of class. This works hand in hand with the OEM program web presence. Many of the classes have websites, with individual and group e-mail listings available. Faculty are in daily contact with the class through the Internet.

The core of the engineering portion of the curriculum is optimization and statistics. Complex business systems can be modeled mathematically and the resulting models optimized as aids to informed decision making. By developing probability and statistics models, managers can manage risk, and monitor and control business processes for maximum effectiveness. By managing complex logistics functions, manufacturing and service processes can be designed and operated to gain competitive advantage. An OEM graduate grounded in these essentials is prepared to manage complex technological projects and to coordinate all functions of a modern enterprise.

OEM students complete the MBA core classes taught by senior MBA faculty and receive a solid working background in organizational behavior, accounting, finance, marketing, and business policy. These core classes also qualify students to apply for a newly instituted concurrent degree program which also awards an MBA after only one more year of classes.

OEM Program Benefits

Engineering Management is the most popular master's degree option from the Industrial & Systems Engineering department. It fills a special niche — technical people with professional experience who want management skills but also want to stay in the technical realm. There are many benefits for program participants.

- The program is designed so that working professionals are able to balance work, including business travel, family activities and studies.
- The program is respected by the nation's best companies. Graduates from the Engineering Management on-campus program have been placed with such companies as IBM, Intel, i2 Technologies, Accenture, and Ernst & Young. Student employers include NASA, Lockheed Martin, Motorola, Pratt & Whitney, IBM, Siemens, Harris, Honeywell, Boeing, United Space Alliance, BellSouth, and Johnson & Johnson.
- Program staff handle most administrative details for students, such as registration for courses, purchase and delivery of textbooks and course materials, and assistance with a variety of UF offices, including the Office of Student Financial Aid and the Office of the Registrar.
- As degree-seeking University of Florida students, participants in the OEM program have access to UF's Career Resource Center and all State University System libraries. Students who successfully complete the program may participate in UF's commencement ceremony.