



College of Engineering
Department of Industrial and Systems Engineering
Outreach Engineering Management Program

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Concurrent MBA/OEM Program

Overview:

Many students working in technical settings have seen the advantage of getting both an advanced technical degree and an MBA degree. Students who enroll in the Outreach Engineering Management Program (OEM) in the University of Florida's College of Engineering are able to obtain an engineering Master's degree in 20 months while working full-time, and are then eligible to apply for a shortened MBA program. Unless they are OEM students, individuals with a non-business background are ineligible to apply to a one year (16 month) MBA program option; only the two year (27 months) MBA program is available. A recently instituted concurrent degree option reduces even further the amount of time and coursework required for OEM students to obtain an MBA. Through this innovative curriculum, working professionals complete both degrees in only 32 months of study.

The OEM Program:

The OEM program awards a Master of Science degree in Industrial and Systems Engineering with a concentration in Engineering Management, and is a lock step program in which a cohort of about 35 technically trained students takes the same courses over a period of twenty months (five semesters). This setting provides an excellent networking opportunity, and students get to know each other well throughout the program, completing much of the required coursework through team-based assignments.

The curriculum is delivered live by University of Florida faculty from Gainesville, with two courses each term, one from the College of Engineering and one from the Warrington College of Business. 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. The curriculum offers an excellent preparation for a management career in the technical realm, since it combines important technical skills with a solid preparation in business fundamentals.

The outreach version of the engineering management Master's degree option began in 1996. The flexible one-weekend-per-month format allows working professionals from other geographical areas to commute to classes, which currently meet in Orlando. The program has about 250 alumni.

The MBA Program:

The MBA curriculum provides OEM students with advanced skills in finance, marketing, and strategy, as well as business law, international business, ecommerce, and entrepreneurship. In the MBA program, students will team with business professionals from a variety of backgrounds, including those with experience in accounting, finance, marketing and operations. Students will probe deeper into the core business subjects and will build on the OEM coursework to develop new business expertise. This additional exposure and training provides an excellent foundation for those aspiring to senior management.

Program Structure:

Concurrent degree students take four semesters (16 months) of OEM classes by attending classes one weekend per month. During the next three semesters (12 months), students take MBA courses via the Internet, and make one campus visit per semester to take exams and interact with fellow students and MBA faculty. Concurrent degree students are exempted from attending the one-week Foundations Review course that is normally required of MBA students during Orientation. In the final (eighth) semester (4 months), students complete the remaining MBA courses via the Internet, and also work

individually with a faculty mentor from the Industrial and Systems Engineering Department to fulfill the requirements for the OEM Master's project. Both degrees are conferred simultaneously at the end of the eighth semester.

Summary of Program Structure

4 semesters of OEM (weekend format; classes meet one weekend per month)

3 semesters of MBA (Internet format; requires one visit to campus per semester)

1 final semester concludes OEM & MBA (Internet format; requires one visit to campus per semester)

Both degrees are awarded at the end of eight (8) semesters.

Students with a technical background may also choose to complete the OEM program and wait for some period of time before enrolling in the MBA program. These students are still eligible to apply for a shortened MBA option, but the duration and number of courses required in that case would be greater than what is available by participation in the concurrent degree option.

More details about the structure, curriculum, application requirements, costs, and duration of the concurrent degree option are included below.

Concurrent Degree Curriculum

Format		Course Title	Course Number	Instructor	Credits
Live Instruction (Classes Meet One Weekend per Month)	Term 1 Fall	Deterministic Methods in Operations Research	ESI 6314	Smith	4
		Organizational Behavior	MAN 5245	Tosi	3
	Term 2 Spring	Applied Probability Methods in Engineering	ESI 6321	Romeijn	3
		Financial & Managerial Accounting	ACG 5065	Asare	3
	Term 3 Summer	Models for Supply Chain Management	ESI 6323	Geunes	3
		Business Financial Management	FIN 5405	Tapley	3
	Term 4 Fall	Quality Management & Engineering	EIN 6227	Elzinga	3
		Marketing Management	MAR 5805	Sawyer	3
Distance Learning Format	Term 5 Spring	Managing Groups & Teams	MAN 5265	LePine	1
		Corporate Finance	FIN 6425	Nimalendran	3
		Professional Writing	GEB 5214	Barnes	2
	Term 6 Summer	The Legal Environment of Business	BUL 5810	Emerson	3
		International Finance	FIN 6930	Naranjo	3
		Professional Writing	GEB 5214	Barnes	1
	Term 7 Fall	Entrepreneurship & Venture Finance	GEB 5114	Heggestad	3
		Business to Business Marketing	MAR 6930	Sturdivant	3
		Personal Financial Management	GEB 6928	Nye	1
	Term 8 Spring	Master's Project	EIN 6905	(varies)	4
		Advanced Marketing Management	MAR 6816	Lutz	3
		Global Strategic Management	MAN 6637	Kraft	3
Total Credits					55

Comparison Chart:

Degree	Format	Fees	Credit Hours	Duration in Months	Comparison with Concurrent Degree Program
OEM Only	weekend	\$27,520*	32	20	concurrent program adds: \$25,520*, 23 credit hours, 12 months
MBA Only 27 Month Internet Program (Applicants to the 16 month Internet MBA program must have an undergraduate business degree or be participating in the OEM program)	Internet	\$39,000*	48	27	concurrent program adds: \$14,040*, 7 credit hours, 5 months
OEM + MBA Taken Sequentially (16 Month Internet MBA Program)	weekend, then Internet	\$61,520*	64	36	concurrent program saves: \$8,480*, 9 credit hours, 4 months
OEM + MBA Taken Concurrently	weekend, then Internet	\$53,040*	55	32	

*These fees reflect costs for the OEM Class of 2008. Actual costs for future programs may be higher. This amount includes books, materials, administrative costs, and all required software and computer hardware for the MBA program, including a laptop computer. Concurrent degree students should budget for an additional \$100 per course for textbooks in the first four semesters of the OEM curriculum.