

## Overview

The College of Engineering and the College of Business offer a dual degree program for students who would like to earn Masters degrees in Business Administration (MBA) and Industrial and Systems Engineering (MISE). The establishment of this program addresses the critical need for students with graduate education in both engineering and management. These individuals must be able to integrate this increasingly complex body of knowledge to achieve continuous improvement in the operations of manufacturing and production firms. Because of their interaction with people and the broad perspective of their work, Industrial Engineers often have opportunities to quickly move into management positions. The MBA degree is widely appreciated as an education that prepares one to move into positions of leadership in business. This dual degree program provides graduates with a solid foundation in traditional business subjects, practical leadership and team building experience, a clear understanding of social and ethical issues, and a mastery of new technologies and their impact on the changing global business environment. Skills in team-building and innovative thinking are emphasized throughout this integrated curriculum.



## Academic Excellence

The graduate program in ISE at Auburn University is ranked 20th nationally by the latest *Gourman Report* and the College of Business MBA program ranked in the top 10 percent by *U.S. News and World Report*.



*“Among the greatest demands in business today – and a primary contributor to personal and business success – is the need for multi-discipline knowledge and experience. Our rapidly changing and increasingly competitive business environment means that our engineers must possess strong business acumen. There’s no better way to prepare for that challenge than through Auburn’s MBA and MISE dual degree program. This brings two of the nation’s foremost programs together in a discipline that ensures success for the individual, the companies they lead, and the customers they serve.”*



*W. George Hairston*

President and CEO,  
Southern Nuclear Operating Company



## Contact Information

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### MBA Programs

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### Graduate Outreach Program

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## Dual Masters Program MBA/MISE



AUBURN  
UNIVERSITY

College  
of  
Business



## Prospective Students and Admissions Requirements

Admission for the combined program requires completing separate applications from both the Colleges of Engineering and Business. Applicants must meet admission requirements for both the MBA and MISE programs, however, may be ad-

*"I feel the two degrees complement each other quite well. The MBA provides great exposure to issues faced in the business environment and rounds out the additional knowledge and skills I'm gaining in Industrial and Systems Engineering."*

*Braunon Payne*  
MBA/MISE current student

mitted to both colleges through the use of one standardized exam, either the GRE or the GMAT. Most of the applicants to this program have undergraduate degrees in engineering, however, other students with strong mathematical backgrounds, including at least a year of calculus, are encouraged to apply. In addition, all of the prerequisites for the MBA Program have to be met before starting this program.

## Curriculum Description

This two-year program requires 54 semester hours of coursework. During the first academic year students will take required core courses for both degrees concurrently. Students with less than two years of work experience are required to complete an internship with an approved company during the summer between the two academic years. Students with acceptable experience will substitute two additional electives for the internship requirement. The final semester project is an in-depth analysis of an engineering management problem that includes a business application conducted under the supervision of faculty from both the Industrial and Systems Engineering depart-



*"The MBA/MISE Program is the perfect marriage between gaining the technical and business expertise that prepared me very well for the real world."*

*Ben Green*  
MBA/MISE, 2002  
Lockheed Martin

ment and the MBA Program. The dual degree program brings the total completion time for both Masters programs to two academic years.

## Outreach

This dual program can be accomplished through the Graduate Outreach Program though the timeframe will be necessarily longer. Students with a U.S. or APO address (including territories) can participate in the Outreach Program. The same classes and curriculum are delivered through DVD, video tape and the internet.

## MBA/MISE Program - Semester Model 54 Credit Hours

Fall, Semester 1		
3 credits	INSY 7060	Ergonomics I
3 credits	INSY 7300	Advanced Engineering Statistics I
3 credits	BUSI 7130	Strategic Analysis and the Competitive Environment
3 credits	BUSI 7140	Organizational Leadership and Change
Winter Break		
Spring, Semester 2		
3 credits	INSY 6230	Manufacturing System Design and Operations
3 credits	BUSI 7220	Operations and Information Technology for Competitive Advantage
3 credits	BUSI 7230	Cost Analysis and Systems
3 credits	INSY 7420	Linear Programming and Network Flows
Summer		
6 credits	BUSI 7920	MBA/MISE Internship (Study Abroad / Internship / Independent Study Project)
Fall, Semester 3		
3 credits	BUSI 7110	Financial Analysis
3 credits	INSY 6240	Production and Inventory Control Systems
3 credits	Elective	
3 credits	Elective	
Winter Break		
Spring, Semester 4		
3 credits	INSY 6600	Manufacturing/Production Economics
3 credits	INSY 7980	Master's Project
3 credits	BUSI 7210	Marketing and Consumer Theory
3 credits	Elective	