

Term		Course Name	Credits
Fall	ESI 6314	Deterministic Methods in Operations Research Introduction to deterministic decision-making models and their solutions with modern computer packages. Emphasis on modeling realistic business situations and analyzing computer outputs to arrive at optimum decisions.	4
	MAN 5245	Organizational Behavior The fundamental forces affecting human behavior and the management of personnel in organizations. Organizational environment as a determinant of structure.	3
Spring	ESI 6321	Applied Probability Methods in Engineering The power of probability and statistics to model complex business decisions. Includes regression techniques, experimental design, and statistical quality control.	3
	ACG 5065	Financial and Managerial Accounting Financial reporting and statement analysis including techniques, cash flow, and impact of accounting principles. Management control systems: planning, budgeting, reporting, analysis, and performance evaluations.	3
Summer	ESI 6323	Models for Supply Chain Management Analysis of multi-echelon distribution systems. Integrated transportation and inventory systems. The role of information in supply chains.	3
	FIN 5405	Business Financial Management Interpretation and use of capital market information. Application of modern financial methods to practical problems. The effect of the international/national economic climate, its current status, and future trends on business decisions.	3
Fall	EIN 6227	Quality Management and Engineering Philosophy of process improvement and methodology for applying team problem solving to manufacturing and service industries. Application of the basic statistical quality tools; business process reengineering; process analysis; benchmarking.	3
	MAR 5805	Marketing Management The role of general managers in implementing marketing strategies for goods and services, including high technology products. Key marketing concepts and tools and their application to specific marketing problems.	3
Spring	EIN 6905	Master's Project In-depth analysis of an engineering management problem under faculty supervision. Problem background and development. Preparation of a project report, using all methods and tools of coursework. Can be an individual or team project, normally based in the student's enterprise.	4
	MAN 6721	Business Policy Integrating and applying the various functional and support areas of business administration. Addresses realistic situations with an integrative approach to business strategies and decision making in a dynamic environment.	3
Total Credits in Program			32