

BACHELOR OF SCIENCE IN ENGINEERING MANAGEMENT

Required Courses (128 Semester Hours)

Courses Required Outside of Engineering (60 hrs)			
ACTG 110	Intro to Financial Accounting	3	
ACTG 111	Intro to Managerial Accounting	3	
CHEM 112	General College Chemistry I	5	
ECON 120	Principles of Microeconomics	3	
ECON 121	Principles of Microeconomics	3	
ENGL 160	English Composition I	3	
ENGL 161	English Composition II	3	
FIN 300	Corporate Finance	3	
MATH 180	Calculus I	5	
MATH 181	Calculus II	5	
MATH 210	Calculus III	3	
MGMT 340	Intro to Organizations	3	
MGMT 350	Social and Legal Environment of Business	3	
MGMT 495	Competitive Strategy	4	
MKTG 360	Principles of Marketing	3	
PHYS 141	General Physics I (Mechanics)	4	
PHYS 142	General Physics II (Electricity and Magnetism)	4	

Courses Required in the College of Engineering (55 hrs)			
ENGR 100	Engineering Orientation	0	
CME 201	Statics	3	
CME 203	Strength of Materials	3	
CS 108	FORTTRAN Programming for Engineers	3	
ECE 210	Electrical Circuit Analysis	3	
IE 201	Financial Engineering	3	
IE 341	Ergonomics I	3	
IE 342	Probability and Statistics for Engineers	3	
IE 345	Regression Application and Forecasting in Engineering	3	
IE 365	Methods Analysis and Work Measurement	4	
IE 380	Manufacturing Process Principles	3	
IE 446	Quality Control and Reliability	3	
IE 461	Safety Engineering	3	
IE 463	Plant Layout and Materials Handling	3	
IE 464	Industrial Automation	3	
IE 466	Production Planning and Inventory Control	3	
IE 467	Industrial Systems Simulation	3	
IE 471	Operations Research I	3	
IE 472	Operations Research II	3	

Humanities (6 hrs)* Two courses			

Social Science (3 hrs)*			

Non-IE, Non-Business Electives (3 hrs)			

Free Elective (1hr)			

*One Hum or Soc/Sci must satisfy the cultural diversity requirement.