

**Emerging Technologies Management
Bachelor of Science Major Requirements**

Fall 2006

CR HRS	CR REC	CR BAL	Notes	CR HRS	CR REC	CR BAL	Notes
General Education Requirements (49-53)				Complete the following Technical Courses (30 hrs.)			
The following special requirements can be counted toward the General Education Requirements:				IDM 110 - Industrial Design with Computer Applications	3		
MTH 261 Calculus I ¹	5		"C" or better in MTH 138 or appropriate placement score	IDM 130 - Industrial Materials	3		
PHY 123 - Introduction to Physics ²	4		Eligibility for MTH 261; CIS/CSC 101	IDM 267 - Statics	3		PHY 123
CHM 105 - Fundamentals of Chemistry ³	5		Eligibility for MTH 103 or higher	IDM 311 - Engineering Graphics	3		IDM 110 and 130
ECO 155 - Principles of Macroeconomics	3			IDM 347 - Industrial Electronics	3		53 hrs. ⁴
PSY 121 - Introductory Psychology	3			IDM 365 - Computer Integrated Manufacturing I	3		IDM 311 and 331
PHI 115 - Ethics & Contemporary Issues	3			IDM380 Fluid Power	3		PHY 123 ⁴
Note 1: or MTH 287 Note 2: or PHY 203				IDM 411 - Mechanical Design & Analysis	3		IDM 311
Note 3: or CHM 160 Note 4: Undergraduate industrial management majors must be admitted to program Writing II: ENG 321 - Beginning Technical Writing (3) is recommended				IDM 510 Product Design and Development	3		80 hrs or permission ⁴
Complete the following Management Oriented Courses (27 hrs.)				IDM 550 - Statistical Quality Control & Design of Experiments	3		QBA 237, 80 hrs or permission; ⁴ IDM 359 or IDM 601
IDM 354 - Plant Layout & Control	3		53 hrs. ⁴	Emerging Technology Specialization (18 hours)			
IDM 355 - Production Planning & Control	3		53 hrs. ⁴	IDM 331 - Emerging Technologies in Materials and Processes	3		IDM 130 recom ⁴
IDM 359 - Principles of Project Management	3		53 hrs. ⁴	IDM 397 - Topics in (Emerging) Technology	3		
IDM 437 - Quality Control & Measurement	3		QBA 237	IDM 438 - Emerging Technologies Systems Integration	3		IDM 365
IDM 456 - Industrial Supervision	3		53 hrs. ⁴	IDM 458 - Technology Management	3		IDM 359
IDM 551- Cost Analysis for Industrial Management	3		80 hrs or permission	IDM 494 - Professional Internship	1		90 hrs, approved internship & permission
ACC 201 - Intro. to Financial Accounting	3		24 hrs; MTH 135 or above	IDM 497 - Topics in (Emerging) Technology	3		
QBA 237 - Basic Business Statistics	3		MTH 135 or above; CIS/CSC 101	IDM 499 - Senior Project	2		Permission
RIL 231 - Legal Environment of Business	3		24 hrs				
Informational Notes: CR REC - Credit received for courses completed. CR BAL - Credit balance needed to fulfill requirements. A minimum of 12 credit hours not counted as requirements on any other major or minor, and exclusive of "problems" and readings" courses is required for the completion of any additional major in business. Electives as needed to total 125 hours overall, and 40 hours upper division (300+). No more than 31 hours of coursework from the Business unit will be allowed. CIS 101, QBA and ECO courses do not apply to the 31 hours.							
Admission Requirements: Formal admission to the Emerging Technologies major requires completion of MTH 261 or MTH 287. The selected math course must be completed with a grade of "C" or better. In addition the following courses: IDS 110/UHC 110, CIS/CSC 101 or CSC 111, COM 115, ENG 110, and PED 100 are also required.							