

Emerging Technologies Management Bachelor of Science Major Requirements

Fall 2007 -- 7/12/2007

	CR HRS	CR REC	CR BAL	Prerequisites/ Periodicity		CR HRS	CR REC	CR BAL	Prerequisites/ Periodicity
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			Fall
MTH 261-An. Geometry & Calculus I or MTH 287-Comp. Calculus w/An. Geometry I	5			C or better in MTH 138 (or placement)	IDM 130 - Mfg. Materials & Processes I	3			Spring
PHY 123 - Introduction to Physics ¹	4			Eligibility for MTH 261; CIS/CSC 101	IDM 267 - Statics	3			PHY 123/Fall
ECO 155 - Principles of Macroeconomics	3				IDM 311 - Engineering Graphics	3			IDM 110 & IDM 130 ² /Spring
CHM 105-Fund. Of Chemistry or CHM 160-General Chemistry I	4			Eligibility for MTH103; Eligibility for MTH 135	IDM 347 - Industrial Electronics	3			53 Hours ² /Spring
PSY 121 - Introductory Psychology	3				IDM 365 - Computer Integrated Mfg. I	3			IDM 110, IDM 311, & IDM 331 or concurrent enroll./Fall
PHI 115 - Ethics & Contemporary Issues	3				IDM 380 - Fluid Power Systems	3			PHY 123 ² /Spring
Note 1: <u>OR</u> PHY 203					IDM 411 - Mechanical Design & Analysis	3			IDM 311/Demand
Complete the following Management Oriented Courses (27 hrs.)					IDM 510 - Product Design & Development	3			80 hrs. or perm./Demand
IDM 354 - Plant Layout & Work Design	3			53 hours ² /Fall	IDM 550 - Statistical Control & Design of Experiments	3			QBA 237 or equiv., 80 hrs or perm. ² /Demand
IDM 355 - Production Planning & Control	3			53 hours ² /Spring	Complete the following Emerging Technology Specialization Courses (18 Hrs)				
IDM 359 - Principles of Project Management	3			53 hrs. ² /Fall, Spring	IDM 331 - Mfg Materials & Processes II	3			Spring
IDM 437 - Quality Control & Measurement	3			QBA 237 ² /Fall	IDM 397 - Topics in Emerging Technology	3			Demand
IDM 456 - Industrial Supervision	3			53 hrs. ² /Fall, Spring	IDM 438 - Computer Integrated Mfg II	3			IDM 365/Spring
IDM 551 - Cost Analysis for Industrial Management	3			80 hrs or perm. ² /Spring	IDM 458 - Technology Management	3			IDM 359/Summer
ACC 201 - Intro. to Financial Accounting	3			24 hrs; MTH 130 or above /Fall Spring	IDM 494 - Professional Internship	1			90 hours, permission
QBA 237 - Basic Business Statistics	3			MTH 135 or higher; CIS/CSC 101 /Fall, Spring	IDM 497 - Topics in Emerging Technology	3			permission
RIL 231 - Legal Environment of Business	3			24 hrs; Fall, Spring	IDM 499 - Senior Project	2			permission
Note 2: Undergraduate industrial management majors must be admitted to program									
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.									
ENG 321 - Writing II: Beginning Technical Writing (3) is recommended /Fall, Spring									
Admission Requirements: Formal admission to the Emerging Technology Management major requires completion of MTH 261 or 287. 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. Check with Industrial Management Department on changing periodicity of courses.									