

2009-2011 Catalog

(MBA curriculum change effective Fall 2010)

BS in Industrial Engineering/MBA Sample Study Plan

Degrees	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8	Semester 9	Semester 10
BS in I E 120.5 credits	Math 165 Calc I 4 cr	Math 166 Calc II 4 cr	Math 265 Calc III 4 cr	Math 267 Diff Eq/Lap 4 cr	I E 305 Eng Econ 3 cr	I E 348 Solidif Proc 3 cr	I E 413 Stoch Model 4 cr	Focus Elective 3 cr (IE 451X)	Eng Topics Elective 3 cr	I E 441 Design Proj 3 cr
	SSH Elective 3 cr (Econ 101)	Engl 150 Crit Thinking 3 cr	Engl 250 Composition 3 cr	Stat 231 Prob & Stat 4 cr	I E 341 Prod Systems 3 cr	I E 361 Qual Control 3 cr	Mgmt Elective 3 cr (IE 450X)	Engl 314 Tech Comm 3 cr		I E 448 Manuf Sys E 3 cr
	Chem 167 Engr Chem 4 cr	Phys 221 Physics I 5 cr	Phys 222 Physics II 5 cr	I E 271 Appl Ergo 3 cr	I E 312 Optimization 3 cr	Eng Topics Elective 3 cr				
	IE 148 Infor Eng 3 cr	SSH Elective 3 cr	Mat E 272 Intro Mat Sci 2 cr	E M 274 Statics 3 cr	E E 442 Intro Circuits 2 cr	SSH Elective 3 cr				
	Lib 160 Library 0.5 cr	I E 101 I E Orient R cr	I E 248 Intro Mfg Pr 3 cr	SSH Elective 3 cr	Sp Cm 212 Prof Comm 3 cr	Mgmt Elective 3 cr (Acct 284)				
	Engr 101 Orientation R cr				M E 330 Thermodyn 3 cr					
MBA 48 credits								Fin 505 Finance 3 cr	Mgmt 511 Ethics 3 cr	MBA Elective 3 cr
							Acct 508 Accounting 3 cr	Mkt 504 Marketing 3 cr	Mgmt 512 Strategy 3 cr	MBA Elective 3 cr
							Econ 532 Economics 3 cr Focus Elective	SCM 502 Supply Chain 3 cr	MBA Elective 3 cr	MBA Elective 3 cr
							Mgmt 507 Org Behavior 3 cr	MIS 503 Techn. Mgmt 3 cr		
							BusAd 592 Prof Skills I R cr	BusAd 59x Prof Skills II R cr		
I E 120.5 cr	14.5	15/29.5	17/46.5	17/63.5	17/80.5	15/95.5	10/105.5	6/111.5	3/114.5	6/120.5
MBA 48 cr							12/12	15/27	9/36	12/48
Shared 12 cr							(6/6)	(3/9)	(0/9)	(3/12)
<b>156.5 Total Cr</b>	<b>14.5</b>	<b>15/29.5</b>	<b>17/46.5</b>	<b>17/63.5</b>	<b>17/80.5</b>	<b>15/95.5</b>	<b>16/111.5</b>	<b>18/129.5</b>	<b>12/141.5</b>	<b>15/156.5</b>

Notes:

Twelve acceptable graduate credits may be applied to both the BS in I E and the MBA. The twelve "shared" credits are a Mgmt elective (e.g., IE 450X), two focus electives (e.g., Econ 532 and IE 451X) and IE 441. The shared course credits must be taken after the student is enrolled as a graduate student (Semester 7)

The business quantitative methods course in the MBA is waived if Stat 231 is satisfactorily completed (grade B or better).

I E students should plan to take Econ 101 for a SSH elective as a prerequisite to Econ 532 in the MBA. Econ 102 is recommended as an SSH elective and Acct 284 as a Mgmt elective prior to Semester 7.

Twelve credits of MBA electives in Semester 9 and Semester 10 must be 500 level courses from the College of Business.