

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	Focus 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	Engl 314 Tech Comm 3 cr	Eng Topics Elective 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				
	Engr 101 Orientation R cr				M E 330 Thermodyn 3 cr					
MBA 48 credits (incl. 12 shared cr)							Mgmt 501 Strategy I 1 cr	Fin 505 Finance 2 cr	MBA Elective 3 cr	MBA Elective 3 cr
							Acct 508 Accounting 2 cr	Mkt 504 Marketing 2 cr	MBA Elective 3 cr	MBA Elective 3 cr
							MIS 503 Info Systems 2 cr	Mkt 509 Intern'l Bus 2 cr	MBA Elective 3 cr	MBA Elective 3 cr
							SCM 502 Supply Ch 2 cr	Mgmt 511 Ethics 1 cr		
							Mgmt 507 Org Behav 2 cr	Mgmt 512 Strategy II 2 cr		
156.5 Total Credits	14.5 cr	15 cr	17 cr	17 cr	17 cr	15 cr	16 cr	15 cr	15 cr	15 cr
120.5 I E Crs	14.5 cr	15 cr	17 cr	17 cr	17 cr	15 cr	7 cr	6 cr	6 cr	6 cr
36 MBA Crs							9 cr	9 cr	9 cr	9 cr

Notes:

Twelve acceptable graduate credits may be applied to both the BS in I E and the MBA. The twelve "shared" credits are I E 441, two approved focus electives, and I E 448 or one approved MGMT elective. Shared courses must be offered either at the 500 level or for non-major graduate credit and must be taken after the student is enrolled as a graduate student (semester 7). Acceptable MGMT electives are I E 408 and I E 450X.

The statistics requirement for the MBA is met if Stat 231 is satisfactorily completed (grade B or better).

The economics requirement for the MBA is met by taking Econ 101 for SSH elective credit (grade B or better) and I E 305. Or ECON 532 may be taken as an MBA elective to fulfill the economics requirement. Econ 102 is also strongly recommended as a SSH elective course.

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