

# 2009-2011 Catalog

(MBA curriculum change effective Fall 2010)

## BS in Mechanical 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 M.E. 128.5 credits	Math 165 Calc I 4 cr	Math 166 Calc II 4 cr	Math 265 Calc. III 4 cr	Math 267 Diff. Eq. 4 cr	Stat 305 Statistics 3 cr	M E 370 Instrumentation 3 cr	M E 436 Heat Transfer 4 cr	Tech Elective 3 cr	Tech Elective 3 cr	Design Elective 3 cr
	Engr 101 Orientation R cr	Engl 150 Crit. Thinking 3 cr	Engl 250 Communications 3 cr	EM 324 Mech of Matls 3 cr	EM 345 Dynamics 3 cr	Engl 314 Tech. Writing 3 cr.	M E 421 Controls 4 cr	Tech Elective 3 cr	Tech Elective 3 cr	Gen Ed US Diversity 3 cr
	Chem 167+L Engr Chem 5 cr	Phys 221 Physics I 5 cr	Phys 222 Physics II 5 cr	M E 231 Thermo 1 3 cr	EE 442/448 Circuits 4 cr	M E 335 Fluids 4 cr			Tech Elective 3 cr	
	Engr 170 Graphics/CAD 3 cr	Engr 160 VB/Analysis 3 cr	Mat E 272 Materials 2 cr	M E 270 Soph Design 3 cr	ME 332 Thermo II 3 cr.	M E 325 Machine Design 3 cr				
	Econ 101 Micro Econ 3 cr (Gen Ed)	Lib 160 Library 0.5 cr	E M 274 Statics 3 cr	Econ 102 Macro Econ 3 cr (Gen Ed)	Gen Ed (I.P) 3 cr	M E 324 Manufacturing 4 cr.				
			M E 202 Career Plan. R 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 Gen Ed	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		
M E 128.5 crs	15 /15	15.5/30.5	17/47.5	16/63.5	16/79.5	17/96.5	11/107.5	6/113.5	9/122.5	6/128.5
MBA 48 crs							9/9	15/24	12/36	12/48
Shared 12 crs							(3/3)	(3/6)	(3/9)	(3/12)
<b>164.5 Total Crs</b>	<b>15 /15</b>	<b>15.5/30.5</b>	<b>17/47.5</b>	<b>16/63.5</b>	<b>16/79.5</b>	<b>17/96.5</b>	<b>17/113.5</b>	<b>18/131.5</b>	<b>18/149.5</b>	<b>15/164.5</b>

### Notes:

MBA includes twelve "shared" credits including two tech (ME or Non-ME) electives (6 crs), one ME design elective (3 crs), and ECON 532 (3 crs). Concurrent M E students can petition the Academic Standards Committee to take ECON 532 as a Gen Ed. All shared courses must be graduate level or offered for non-major graduate credit and taken while enrolled in the concurrent program.

Statistics requirement for the MBA met if Stat 305 is completed satisfactorily (grade B or better).

M E students should plan to take Econ 101 for a Gen Ed elective as a prerequisite to Econ 532 in the MBA. Econ 102 is suggested but not required.

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