Concurrent BS IE/MS in Industrial Engineering

Sample Course Sequence

Degree	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8	Semester 9	Semester 10
BS in I E 123-122 credits	MATH 1650 Calc I 4 cr	MATH 1660 Calc II 4 cr	MATH 2650 Calc III 4 cr	MATH 2670 Diff Eq/Lap 4 cr	IE 3050 Engr Econ Analysis 3 cr	IE 3480 Solidification Processes 3 cr	IE 4130 Stoch Modeling 4 cr	IE 4480 Manuf Sys Engr 3 cr	BS IE Graduation	
	SSH Elective 3 cr	PHYS 2310 & 2310L Classical Phys I 5 cr	I E 2480 Intro Mfg Processes 3 cr	STAT 2310 Prob & Stat 4 cr	IE 3410 Production Systems 3 cr	IE 3610 Quality Assurance 3 cr	ENGL 3140 Tech Comm 3 cr	IE 4410 IE Design 3 cr		
	CHEM 1670 Engr Chem 4 cr	SSH Elective 3 cr	MAT E 2730 Prin of Mat Science 3 cr	IE 2710 Applied Ergo 3 cr	IE 3120 Optimization 3 cr	Engr Topic Elective IE 5000 3 cr	ME 2310 Engineering Thermo 3 cr	Engr Topic Elective IE 5000 3 cr		
	IE 1480 Information Engr 3 cr	ENGL 1500 Critical Thinking and Communication 3 cr	PHYS 2320 & 2320L Classical Phys II 5 cr	IE 2220 Des & An Sys Improvements 3 cr	IE 4320 3cr or EE 4420 Intro Circuits 2 cr	SSH Elective 3 cr	Focus Elective IE 5000 3 cr	Mgmt Elective 3 cr		
	ENGR 101 Orientation R cr	LIB 1600 Library 1 cr	ENGL 2500 or ENGL 2500H Written, Oral, Visual, & Electronic Composition 3 cr	SSH Elective 3 cr	Focus Elective IE 5000 3 cr	CE 2740 Statics 3 cr	IE 5010 R credit	IE 5000 3 cr		
		IE 1010 IE Orientation R cr			SPCM 2120 Fund of Public Speaking 3 cr			IE 5010 R credit		
MS IE 31 credits (19 credits +12 shared credits)	Declare Concurrency								Outside Course 5000 3 cr	IE 6990 9 cr
									Outside Course 5000 3 cr	IE 5010 R credit
									GRST 5650 1 cr	
									IE 5010 R credit	
142-141 Total Credits	14 cr	16 cr	18 cr	17 cr	18-17 cr	15 cr	13 cr	15 cr	7 cr	9 cr

12 credits (500-level courses) may be applied to both the BS IE and MS IE.

Semesters of concurrent enrollment

12 credits of shared between the BS IE and MS IE programs

Graduate only courses