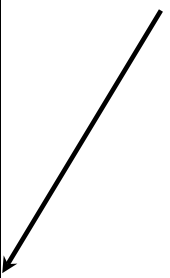



Concurrent BS IE/MEng in Systems Engineering Sample Course Sequence

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	IE 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	MATE 2730 Prin of Mat Science 3 cr	IE 2710 Applied Ergo 3 cr	IE 3120 Optimization 3 cr	Engr Topic Elective IE 5720 3 cr	ME 2310 Engineering Thermo 3 cr	Engr Topic Elective IE 5640 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 E E 4420 Intro Circuits 2 cr	SSH Elective 3 cr	Focus Elective IE 5630 3 cr	Mgmt Elective 3 cr		
	ENGR 1010 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 5770 3 cr	CE 2740 Statics 3 cr		IE 5650 3 cr		
		IE 1010 IE Orientation R cr			SPCM 2120 Fund of Public Speaking 3 cr					
MEng Sys Eng 30 credits (18 credits +12 shared credits)	Declare Concurrency 								IE 5600 3 cr	IE 5700 3 cr
									IE 5610 3 cr	IE 5850 3 cr
									IE 5810 3 cr	
141-140 Total Credits	14 cr	16 cr	18 cr	17 cr	18-17 cr	15 cr	13 cr	15 cr	9 cr	6 cr
12 credits (500-level courses) may be applied to both the BSIE and MEng Sys Eng										

Semesters of concurrent enrollment
 12 credits of shared between the BS IE and MEng Sys Eng programs
 Graduate-only courses