

CO-OP PLAN B - M.E. Program

Spring 2006

Course / work experience			Cr	Course / work experience			Cr	Course / work experience			Cr
Freshman / Fall				Freshman / Spring				Freshman / Summer			
CHEM	1230	General Chemistry I	4	ENGL	1930	Technical Writing for Engineers	3	Best advice is to make up deficits in English, Math, Physics			
ENGL	1110	College Composition	3	MATH	1860	Single Variable Calculus II	4				
MATH	1850	Single Variable Calculus I	4	MIME	1010	Professional Development	1				
MIME	1000	Orientation to ME and IE	3	MIME	1650	Materials Science & Engrg	3				
MIME	1100	Introduction to CAD	2	PHYS	2130	Engineering Physics I	5				
Total			16	Total			16				

Sophomore / Fall			Cr	Sophomore / Spring			Cr	Sophomore / Summer			Cr
CIVE	1150	Engineering Statics	3	CIVE	1160	Mechanics of Materials	3	MIME 3940-001 Co-op Experience 1			
MATH	2850	Elem Multivariable Calculus	4	MATH	2890	Num Meth & Linear Algebra	3				
MIME	2650	Manufacturing Processes	3	MATH	3860	Differential Equations	3				
PHYS	2140	Engineering Physics II	5	MIME	2000	Statistics & Meas. Lab	2				
				MIME	2300	Engineering Dynamics	3				
						Hum/SocScience Elective	3				
Total			15	Total			17				

Pre-Junior / Fall			Cr	Pre-Junior / Spring			Cr	Pre-Junior / Summer			Cr
MIME	2600	Engineering Economics	3	MIME 3940-002 Co-op Experience 2				MIME	3320	Mechanical Design II	3
MIME	3300	Design Anal of Mech. Systems	3				MIME	3370	Vibration and Control	3	
MIME	3310	Mechanical Design I	3				MIME	3410	Thermodynamics II	3	
MIME	3400	Thermodynamics I	3				MIME	3430	Fluid Mechanics	3	
EECS	2340	Elect Circuits for Non-Majors	3						Hum/SocScience Elective	3	
Total			15					Total			15

Junior / Fall			Cr	Junior / Spring			Cr	Junior / Summer			Cr
MIME 3940-003 Co-op Experience 3				EECS	3450	Elect & Electronic Devices	3	MIME 3940-004 Co-op Experience 4 or make up course deficits, or take Business Minor courses.			
			MIME	3440	Heat Transfer	3					
			MIME	4200	Senior Design Projects	3					
			MIME	3390	Mechanics & Vibrations Lab	2					
			MIME	3470	Thermal Science Lab	2					
					Technical Elective	3					
				Total			16				

Senior / Fall			Cr	Senior / Spring			Cr
		Technical Electives	9	If necessary, this semester may be used to take Business Minor courses, or make up remaining course deficits, or begin graduate study.			
		MultiCultural Electives	6				
		Hum/SocScience Elective	3				
Total			18				