CO-OP PLAN A - M.E. Program

Spring 2006

Course / work experience			Cr
Freshman / Fall			
CHEM	1230	General Chemistry I	4
ENGL	1110	College Composition	3
MATH	1850	Single Variable Calculus I	4
MIME	1000	Orientation to ME and IE	3
MIME	1100	Introduction to CAD	2
		Total	16

Course / work experience			Cr
Freshman / Spring			
ENGL	1930	Technical Writing for Engineers	3
MATH	1860	Single Variable Calculus II	4
MIME	1010	Professional Development	1
MIME	1650	Materials Science & Engrg	3
PHYS	2130	Engineering Physics I	5
		Total	16

Course / work experience			Cr
Freshman / Summer			
Best advice is to make up deficits in English, Math, Physics			

Course / work experience			Cr
Sophomore / Fall			
CIVE	1150	Engineering Statics	3
MATH	2850	Elem Multivariable Calculus	4
MIME	2650	Manufacturing Processes	3
PHYS	2140	Engineering Physics II	5
		Total	15

Course / work experience			Cr
Sophomore / Spring			
MIME 3940-001 Co-op Experience 1			

Course / work experience			Cr
Sophomore / Summer			
CIVE	1160	Mechanics of Materials	3
MATH	2890	Num Meth & Linear Algebra	3
MATH	3860	Differential Equations	3
MIME	2000	Statistics & Meas. Lab	2
MIME	2300	Engineering Dynamics	3
		Soc. Sci. or Hum. Elective	3
		Total	17

Course / work experience			Cr
Pre-Junior/ Fall			
MIME 3940-002 Co-op Experience 2			

Course / work experience			Cr
Pre-Junior / Spring			
MIME	2600	Engineering Economics	3
MIME	3300	Design Anal of Mech. Systems	3
MIME	3310	Mechanical Design I	3
MIME	3400	Thermodynamics I	3
EECS	2340	Elect Circuits for Non-Majors	3
		Total	15

Course / work experience			Cr
Pre-Junior / Summer			
MIME 3940-003 Co-op Experience 3			

Course / work experience			Cr
Junior / Fall			
MIME	3320	Mechanical Design II	3
MIME	3370	Vibration and Control	3
MIME	3410	Thermodynamics II	3
MIME	3430	Fluid Mechanics	3
EECS	3450	Elect & Electronic Devices	3
		Hum/SocScience Elective	3
		Total	18

Course / work experience			Cr
Junior / Spring			
MIME 3940-004 Co-op Experience 4 or make up course deficits, or take Business Minor courses.			

Course / work experience			Cr
Junior / Summer			
MIME	3440	Heat Transfer	3
		Technical Electives	6
		Hum/SocScience Elective	3
		MultiCultural Elective	3
		Total	15

Course / work experience			Cr
Senior / Fall			
MIME	3390	Mechanics & Vibrations Lab	2
MIME	3470	Thermal Science Lab	2
MIME	4200	Senior Design Projects	3
		Technical Electives	6
		MultiCultural Dbl-Dip Elective	3
		Total	16

Course / work experience			Cr
Senior / Spring			
If necessary, this semester may be used to take Business Minor courses, or make up remaining course deficits, or begin graduate study.			