

**Civil Engineering Program (Co-op Plan A)**

YEAR 1			YEAR 2			YEAR 3			YEAR 4			YEAR 5		
Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	
ENGL 1110 College Composition I 3 Hours	ENGL 2950 or 2960 Report Wrtg 3 Hours		CIVE 1150 Engineering Mechanics-Statics 3 Hours		CIVE 1160 Engineering Mechs-Strength of Materials 3 Hours		CIVE 3310 Structural Analysis 3 Hours		CIVE 3420 Reinforced Concrete Design I 3 Hours		CIVE 3410 Steel Design I 3 Hours	Technical Elective 3 Hours		
CHEM 1230 General Chemistry I 4 Hours	PHYS 2130 Genl Physics for Engrs I 5 Hours		PHYS 2140 Genl Physics for Engrs II 5 Hours		MIME 2300 Engineering Dynamics 3 Hours		CIVE 1170 Fluid Mech for Civil Engineers 3 Hours		CIVE 3210 Soil Mechanics 3 Hours		CIVE 3220 Foundation Engineering 3 Hours	CIVE 3630 Waste Water 3 Hours		
CIVE 1000 Freshman Civil Engrg Experience 1 Hour	Hum/Social/MultiCultural Elective 3 Hours		MATH 2890 Num Methods & Linear Algebra 3 Hours		Hum/Social/MultiCultural Elective 3 Hours		CIVE 3120 Civil Engrg Syst Analysis 3 Hours		Technical Elective 3 Hours		CIVE 3620 Air Pollution Engineering I (Online) 3 Hours	CIVE 4750 Senior Design Project 3 Hours Final Term		
MATH 1850 Single Var Calculus I 4 Hours	MATH 1860 Single Var Calculus II 4 Hour		MATH 2850 Multivariable Calculus 4 Hours		MATH 2860 Differential Equations 3 Hours		CIVE 2110 Civil Engrg Materials with Lab 3 Hours		CIVE 3610 Water Supply 3 Hours		Science Elective 3 Hours			
CIVE 1100 Measurements for Civil Engrs. 3 Hours			MIME 2600 Engineering Economics 3 Hours		MIME 4000 Engineering Statistics 3 Hours		Fundamentals of Engineering Elective 3 Hours		CIVE 3510 Transportation Engineering I 3 Hours		CIVE 3520 Transportation Engineering II 3 Hours	Hum/Social/MultiCultural Elective 3 Hours		
CIVE 1110 CAD for Civil Engrs. 1 Hour											Hum/Social/MultiCultural Elective 3 Hours	Hum/Social/MultiCultural Elective 3 Hours		
	CIVE 2000 Professional Development 1 Hour			CIVE 3940 Co-op Exp 1 Sect :001		CIVE 3940 Co-op Exp 2 Sect :002		CIVE 3940 Co-op Exp 3 Sect :003		CIVE 3950 Co-op Exp (Optional)				
16 Hours	16 Hours		18 Hours		15 Hours		15 Hours		15 Hours	3 Hours (Online)	15 Hours	15 Hours	128 Hours	
													<b>Total:</b>	