

Effective: Fall 2018

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

Degree: Bachelor of Science in Civil Engineering  
Approved Spring Semester 2018

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 Comp I 3 Hours	ENGL 2950 Report Wrtg 3 Hours		CIVE 1150 Engineering Mechanics-Statics 3 Hours		CIVE 1160 Engineering Mechs-Strgth of Matls 3 Hours	MATH 2890	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	CIVE 2000 Professional Development 1 Hour		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 1160	CIVE 2110 Civil Engrg Materials with Lab 3 Hours		CIVE 3610 Water Supply 3 Hours		Science Elective 3 Hours			
CIVE 1100 Measrmts for Civil Engrs. 3 Hours			MIME 2600 Engineering Economics 3 Hours		MIME 4000 Engineering Statistics 3 Hours		Fund of Engrng Elective 3 Hours	MIME 2300 CIVE 1110	CIVE 3510 Transp Engineering I 3 Hours	CIVE 3210 CIVE 2110	CIVE 3520 Transp Engrng II 3 Hours	Hum/Social/MultiCultural Elective 3 Hours		
CIVE 1100 CAD for Civil Engrs. 1 Hour	Hum/Social/MultiCultural Elective 3 Hours										Hum/Social/MultiCultural Elective 3 Hours	Hum/Social/MultiCultural Elective 3 Hours		
			CIVE 2000	CIVE 3940 Co-op Exp		CIVE 3940 Co-op Exp		CIVE 3940 Co-op Exp		CIVE 3940 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>	

Effective: Fall 2018

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

Degree: Bachelor of Science in Civil Engineering  
Approved Spring Semester 2018

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 Comp I 3 Hours	ENGL 2950 Report Wrtg 3 Hours		CIVE 1150 Engineering Mechanics- Statics 3 Hours	CIVE 1160 Engineering Mech-Strgrh of Matls 3 Hours	MATH 2890	CIVE 3310 Structural Analysis 3 Hours		CIVE 3410 Steel Design I 3 Hours		CIVE 3420 Reinforced Concrete 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 3210 Soil Mechanics 3 Hours		CIVE 3220 Foundation Engineering 3 Hours	MATH 2860	CIVE 3120 Civil Engrg Syst Analysis 3 Hours		CIVE 4750 Senior Design Project 3 Hours Final Term	
CIVE 1000 Freshman Civil Engrg Experience 1 Hour	CIVE 2000 Professional Development 1 Hour		MATH 2890 Num Methds & Linear Algebra 3 Hours	CIVE 1170 Fluid Mech for Civil Engineers 3 Hours		CIVE 3610 Water Supply 3 Hours			CIVE 1170	CIVE 3630 Waste Water 3 Hours			
MATH 1850 Single Var Calculus I 4 Hours	MATH 1860 Single Var Calculus II 4 Hours		MATH 2850 Multivariable Calculus 4 Hours	MATH 2860 Differential Equations 3 Hours	CIVE 1160	CIVE 2110 Civil Engrg Materials with Lab 3 Hours		Fund of Engrng Elective 3 Hours		CIVE 3620 Air Pollution Engineering I (Online) 3 Hours		Science Elective 3 Hours	
	CIVE 1100 Measrnmts for Civil Engrs. 3 Hours		MIME 2600 Engineering Economics 3 Hours	MIME 4000 Engineering Statistics I 3 Hours	MIME2300	CIVE 3510 Transp Engrng I 3 Hours		CIVE 3520 Transp Engrng II 3 Hours	CIVE 1110		Technical Elective 3 Hours	Hum/Social/ MultiCultural Elective 3 Hours	
Hum/Social/ MultiCultural Elective 3 Hours	CIVE 1110 CAD for Civil Engrs. 1 Hour				CIVE 1110	Hum/Social/ MultiCultural Elective 3 Hours		Hum/Social/ MultiCultural Elective 3 Hours				Hum/Social/ MultiCultural Elective 3 Hours	
				CIVE 2000	CIVE 3940 Co-op Exp		CIVE 3940 Co-op Exp		CIVE 3940 Co-op Exp		CIVE 3940 Co-op Exp (Optional)		
15 Hours	17 Hours		18 Hours	15 Hours		18 Hours		15 Hours		15 Hours		15 Hours	128 Hours

**Total:**