Approved Fall 2022

Updated 02-01-2024

Civil Engineering Program (Co-op Plan A) v Fall 2022

For students who have catalog term Fall 2022 or later

Degree: Bachelor of Science in Civil Engineering

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	MATH 1890	**CIVE 3310** Structural Analysis 3 Hours		**CIVE 3420** Reinforced Concrete Design I 3 Hours	CIVE 2110	**CIVE 3410** Steel Design I 3 Hours	**CIVE 4750** Senior Design Project 3 Hours Must be during final term	
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 2110** Civil Engrg Materials with Lab 3 Hours		**CIVE 3210** Soil Mechanics 3 Hours		**CIVE 3220** Foundation Engineering 3 Hours		
MATH 1850 Single Var Calculus I 4 Hours	**MATH 1860** Single Var Calculus II 4 Hour		**MATH 1890** Num Methds & Linear Algebra 3 Hours		Natural Science Core Elective 3 Hours		**CIVE 1170** Fluid Mech for Civil Engineers 3 Hours		**CIVE 3610** Water Suppy 3 Hours			**CIVE 3630** Waste Water 3 Hours	
CIVE 1000 Freshman Civil Engrg Experience 1 Hour	**CIVE 2000** Professional Development 1 Hour		**MATH 2850** Multivariable Calculus 4 Hours		**MATH 2860** Differential Equations 3 Hours	MATH 2580	**CIVE 3120** Civil Engrg Syst Analysis 3 Hours	MIME 2300 CIVE 1100	**CIVE 3510** Transportation Engineering I 3 Hours	CIVE 3210 CIVE 2110	**CIVE 3520** Transportation Engineering II 3 Hours	CIVE Tech. Elective* 3 Hours	
CIVE 1100 Measurements for Civil Engrs. 3 Hours			**ENGT 3600** Engineering Economics 3 Hours				Fundamentals of Engineering Elective 3 Hours		CIVE Tech. Elective* 3 Hours	MATH 2850	**MIME 4000** Engineering Statistics 3 Hours	Tech Elective* 3 Hours	
CIVE 1110 CAD for Civil Engrs. 1 Hour	Hum/Social/ MultiCultural Core Elective 1 3 Hours				Hum/Social/ MultiCultural Core Elective 2 3 Hours				Hum/Social/ MultiCultural Core Elective 3 3 Hours		Hum/Social/ MultiCultural Core Elective 4 3 Hours	Hum/Social/ MultiCultural Core Elective 5 3 Hours	
				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)			**Total:**
16 Hours	16 Hours		18 Hours		15 Hours		15 Hours		18 Hours	3 Hours (Online)	15 Hours	15 Hours	**128 Hours**

*Indicates courses applicable to the BS/MS Program