



## CIVIL ENGINEERING PROGRAM (2023 - 2024)

<b>Fall of First Year (15 credits)</b>			<b>Spring of First Year (15 credits)</b>		
MATH 1210	Calculus I (May require pre-requisite)	4	MATH 1220	Calculus II	4
CHEM 1210	Principles of Chemistry	4	PHYS 2210	Physics for Scientists and Engineers	4
CHEM 1215	Principles of Chemistry Lab	1	PHYS 2215	Physics for Scientists and Engineers Lab	1
ENGL 1010	Introduction to Writing	3	ENGL 2010	Intermediate Writing	3
ENGR 1000	Introduction to Engineering	3	EGDT 1040	Computer Aided Drafting-AutoCAD	3
<b>Fall of Second Year (15 credits)</b>			<b>Spring of Second Year (18 credits)</b>		
CIVE 2130	Engineering Economics and Statistics	3	MATH 2210	Calculus III	4
MATH 2250	Differential Equations and Linear Algebra	4	ENGR 2030	Engineering Dynamics	3
ENGR 2010	Engineering Statics	3	ENGR 2140	Mechanics of Materials	3
PHYS 2220	Physics for Scientists and Engineers II	4	ENGR 2160	Introduction to Materials Science and Engineering	3
PHYS 2225	Physics for Scientists and Engineers II Lab	1	Health	Choose from the GE approved personal Health list	2
CHEM 1220	Principles of Chemistry II	4	EGDT 1400	Surveying Applications and Field Techniques I	3
CHEM 1225	Principles of Chemistry II Lab	1			
	OR				
<b>Fall of Third Year (15 credits)</b>			<b>Spring of Third Year (17 credits)</b>		
CIVE 3010	Transportation Engineering	3	CIVE 3210	Geotechnical Engineering	3
CIVE 3130	Structural Analysis	3	CIVE 3320	Hydraulics and Hydrology	3
ME 3310	Fluid Mechanics	3	CIVE 3335	Civil Engineering Experimentation I	2
CIVE 2450	Numerical Methods with Excel and VBA	3	CIVE xxxx	Civil Engineering Elective	3
Biology	Choose from the GE approved Biology list	3	COMM 1020	Public Speaking	3
			COMM 2110	Interpersonal Communication	3
<b>Fall of Fourth Year (15 credits)</b>			<b>Spring of Fourth Year (15 credits)</b>		
CIVE 4135	Civil Engineering Experimentation II	2	CIVE 4820	Capstone II	3
CIVE 4510	Civil Engineering Seminar	1	CIVE 4xxx	4000 level Civil Engineering Elective	3
CIVE 4810	Capstone I	3	CIVE 4xxx	4000 level Civil Engineering Elective	3
CIVE xxxx	Civil Engineering Elective	3	Am. Institution	Choose from the GE American Institution List	3
	Technical Elective	3	PHIL 205G	Ethics and Values GI	3
Fine Arts	Choose from the GE approved Fine Arts Electives	3			