

**CEE Program Curriculum: Electives and Sequence Courses and the Semester(s) They Are Offered**

<b>CEE Elective and Sequence Courses</b>	<b>Fall</b>	<b>Spring</b>
CEE 3040 (1) – Geotechnical Engineering Laboratory	X	X
CEE 3100 (3) – Computer in Civil Engineering		X
CEE 3120 (1) – Mechanics of Materials Laboratory	X	X
CEE 3430 (1) – Environmental Engineering Laboratory	X	X
CEE 4130 (3) - Matrix & Finite Element Methods	X	
CEE 4160 (3) – Experimental Stress Analysis		
CEE 4190 (3) – Advanced Mechanics of Materials	X	
CEE 4350 (3) – Advanced Structural Design	X	
CEE 4360 (3) – Advance Topics in Structural Concrete Design	X	X
CEE 4380 (3) – Bridge Design		X
CEE 4410 (3) – Solid and Hazardous Waste Management	X	
CEE 4420 (3) – Engineering Hydrology	X	
CEE 4430 (3) – Water and Wastewater Engineering		X
CEE 4440 (3) – Water Resources Engineering		X
CEE 4450 (3) – Water Quality Modeling	X	
CEE 4500 (3) – Construction Engineering Management		X
CEE 4600 (3) – Advanced Construction Materials		X
CEE 4610 (3) – Pavement Design	X	
CEE 4630 (3) – Traffic Engineering	X	
CEE 4640 (3) – Highway Engineering		X
CEE 4660 (3) – Transportation Planning	X	
CEE 4700 (3) – Masonry Design		X
CEE 4930 (3) – Noise Control		X

**CEE Program Curriculum: Required Courses and the Semester(s) They Are Offered**

<b>CEE and Other Required Courses</b>	<b>Fall</b>	<b>Spring</b>
CEE 1020 (1) – Connection to Civil Eng.	X	
ENGR 1210 (1) Introduction to Engineering	X	X
ENGR 1110 (2) – Engineering Graphics	X	X
ENGR 1120 (2) – Programming for Engineers	X	X
CEE 2110 (3) – Statics	X	X
ME 2330 (3) – Dynamics	X	X
ME 3720 (3) – Fluid Mechanics	X	X
GEOL 3210 (3) – Geology for Engineers	X	X
CEE 3020 (3) – Surveying	X	X
CEE 3030 (3) – Construction Materials	X	X
CEE 3110 (3) – Mechanics of Materials	X	X
CEE 3320 (3) – Structural Mechanics	X	X

CEE 3413 (3) – Environmental Engineering	X	X
CEE 3420 (3) – Hydraulics	X	X
CEE 3610 (3) – Transportation Engineering	X	X
CEE 4310 (3) – Structural Steel Design	X	X
CEE 4320 (3) – Reinforced Concrete Design	X	X
CEE 4800 (3) – Geotechnical Engineering I	X	X
CEE 4920 (1) – Professionalism & Ethics	X	X
CEE 4940 (0) – Fundamentals of Civil Engineering	X	X
CEE 4950 (3) – Senior Design Project	X	X