

## CIVIL & ENVIRONMENTAL ENGINEERING - Civil Subtrack

1 <sup>st</sup> Year	Session	Course	Course Name	SH	P: Prerequisite; C: Corequisite
	F/S	MATH:1550	Engineering Math I: Single Variable Calculus	4	P:ALEKS Score of 75 or higher OR MPT 3 Score of 9 or higher
	F/S	ENGR:1100	Engineering Problem Solving I	3	
	ALL	CHEM:1110	Principles of Chemistry I	4	
	ALL	RHET:1030	Rhetoric	4	
	F	ENGR:1000	Engr Success for First Year Students	1	First Semester Standing
<b>TOTAL</b>				<b>16</b>	
	F/S	MATH:1560	Engineering Math II: Multi-Variable Calculus	4	P: MATH 1550
	F/S	ENGR:1300	Engineering Problem Solving II	3	C: MATH:1550
	ALL	PHYS:1611	Introductory Physics I	4	C: MATH:1550
	ALL	MATH:2550	Engineering Math III: Matrix Algebra	2	P: MATH:1550
	ALL		General Education Component #1	3	
<b>TOTAL</b>				<b>16</b>	
<b>2<sup>nd</sup> Year</b>					
	ALL	MATH:2560	Engineering Math IV: Differential Equations	3	P:MATH:1560; MATH 2550
	F/S	PHYS:1612	Introductory Physics II	4	P:PHYS:1611C:MATH:1560
	ALL	ENGR:2110	Engineering Fundamentals I:Statics	2	P:MATH:1550 C:MATH1560; PHYS:1611
	F/S	ENGR:2120	Engineering Fundamentals II: Electrical Circuits	3	C:MATH:2560
	ALL	ENGR:2130	Engineering Fundamentals III: Thermodynamics	3	P:CHEM:1110; PHYS:1611 C:MATH:1560
	F	CEE:2015	Civil and Environmental Engineering Practice	2	
<b>TOTAL</b>				<b>17</b>	
	ALL	STAT:2020	Probability and Stat for Engineering & Phys Sci	3	P:MATH:1560
	ALL	ENGR:2710	Dynamics	3	P:ENGR:2110MATH:1550
	ALL	ENGR:2750	Mechanics of Deformable Bodies	3	P:ENGR:2110C:MATH:2560
	S	CEE:2150	Natural Environmental Systems	3	P:CHEM:1100
	ALL	CEE:1030	Intro to Earth Science (No Lab Required)	3	Sophomore Standing
	ALL		General Education Component #2	3	
	S	CEE:2000	Sophomore Seminar: Civil and Env. Engineering	0	Sophomore Standing
<b>TOTAL</b>				<b>18</b>	
<b>3<sup>rd</sup> Year</b>					
	F	CEE:3530	Soil Mechanics	3	P:ENGR:2750
	F	CEE:3533	Principles of Structural Engineering	3	P:ENGR:2750
	F/S	ENGR:2510	Fluid Mechanics	4	P:MATH:2560; ENGR:2710C:ENGR:2130
	F	CEE:3763	Principles of Transportation	3	C:CEE:2015
	ALL		Elective Focus Area #1	3	
	F	CEE:3001	Leadership Seminar	1	Junior Standing
<b>TOTAL</b>				<b>17</b>	
	S	CEE:3155	Principles of Environmental Engineering	4	C:CEE:2150
	S	CEE:3371	Principles of Hydraulics and Hydrology Engin	3	P:ENGR:2510
	S	CEE:3586	Civil Engineering Materials	3	P:ENGR:2750
	ALL		Elective Focus Area #2	3	
	ALL		General Education Component #3	3	
	S	CEE:3002	Professional Skills Seminar	1	Junior Standing
<b>TOTAL</b>				<b>17</b>	
<b>4<sup>th</sup> Year</b>					
	F		CEE Design Course*	3	
	F		CEE Design Course*	3	
	ALL		Elective Focus Area #3	3	
	ALL		Elective Focus Area #4	3	
	ALL		General Education Component #4	3	
	F	CEE:3003	Senior Design Seminar	1	Senior Standing
<b>TOTAL</b>				<b>16</b>	
	S	CEE:3084	Project Design & Management in Civil Engr	3	P:CEE:3003; CEE:3533; CEE:3763; C:CEE:3371; CEE:3155
	ALL		Elective Focus Area #5	3	
	ALL		Elective Focus Area #6	3	
	ALL		Elective Focus Area #7	3	
	ALL		General Education Component #5	3	
<b>TOTAL</b>				<b>15</b>	

\*CEE Design Courses: CEE:4157 Environmental Engineering Design; CEE:4374 Water Resources Design; CEE:3136 Design of Concrete Structures; CEE:4535 Design of Steel Structures; and CEE:4762 Transportation Design. Only one CEE Design Elective may be chosen from the Structures, Mechanics, and Materials technical area (either CEE:3136 or CEE:4535). Design courses not chosen as a CEE Design Elective may be taken as an EFA Elective.