

# CIVIL ENGINEERING (B.S.) ENVIRONMENTAL ENGINEERING CONCENTRATION

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
CHEM 141 & CHML 141	GENERAL CHEMISTRY I and GENERAL CHEMISTRY LAB	4
ENG 104 or ENG 103 or ENG 111	COMPOSITION I or English Composition I with Co-requisite Support or COMPOSITION & LITERATURE FOR L	3
MATH 241	CALCULUS I WITH LABORATORY	3
UNIV 100	UNIVERSITY SUCCESS	2
Humanities & Fine Arts Option		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
ENG 105 or ENG 112	COMPOSITION II or COMPOSITION	3
MATH 242	CALCULUS II WITH LABORATORY	3
PHY 211 & PHYL 211	General Physics I and GENERAL PHYSICS LAB I	4
Pathway Option		3
Pathway Option		3
<b>Hours</b>		<b>16</b>
<b>Sophomore</b>		
<b>Fall</b>		
BIO 101 & BIOL 101 or SCI 205	INTRO TO BIOLOGICAL SCIENCE or EARTH & SPACE SCIENCE	3
CHEM 142 & CHML 142	GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LAB	4
CIV 201	ENGINEERING GRAPHICS	2
CIV 222	ENGINEERING MECHANICS I	3
MATH 243	CALCULUS III WITH LABORATORY	3
Pathway Option		3
<b>Hours</b>		<b>18</b>
<b>Spring</b>		
CHEM 241	ORGANIC CHEMISTRY I	3
CIV 223	ENGINEERING MECHANICS II	3
CIV 240	STRENGTH OF MATERIALS	3
MATH 244	CALCULUS IV WITH LABORATORY	3
MATH 368	DIFFERENTIAL EQUATIONS	3
UNIV 200	CIVIC ENGAGEMENT	1
<b>Hours</b>		<b>16</b>
<b>Junior</b>		
<b>Fall</b>		
CIV 320	STRUCTURAL ANALYSIS	3
CIV 330	FLUID MECHANICS LECTURE	3
CIV 340 & CIVL 340	INTRO TO ENVIRONMENTAL ENGINEER and ENVIRONMENTAL ENGINEERING LAB	4
CIV 355	ENGINEERING ECONOMY	3
MATH 307	PROBLY & STATISTICS/ENGINEERG	3
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
CIVL 330	FLUID MECHANICS LAB	1
CIV 360	DESIGN OF STEEL STRUCTURES	3
CIV 370	WATER RESOURCES ENGINEERING	3

CIV 380 & CIVL 380	INTRO TO GEOTECHNICAL ENGINEER and GEOTECHNICAL ENGINEERING LAB	4
CIV 390	INTRO TO TRNSPRTN ENGINEERING	3
Social & Behavioral Science Option		3
<b>Hours</b>		<b>17</b>
<b>Senior</b>		
<b>Fall</b>		
CIV 410	CAPSTONE DESIGN I	3
CIV 420	DESIGN OF CONCRETE STRUCTURES	3
CIV 430	FOUNDATION ENGINEERING	3
CIVL 421	STRUCTURES & MATERIALS LAB	1
CIV 461	PROF & ETHCL IS IN CIVIL ENGIN	1
Civil Engineering Elective		3
Civil Engineering Elective		3
<b>Hours</b>		<b>17</b>
<b>Spring</b>		
CIV 411	CAPSTONE DESIGN II	3
Civil Engineering Elective		3
Civil Engineering Elective		3
Humanities & Fine Arts Option		3
<b>Hours</b>		<b>12</b>
<b>Total Hours</b>		<b>127</b>

## Notes:

- Candidates that transfer 12 or more hours of college credit are exempt from UNIV 100 UNIVERSITY SUCCESS, however, the student must take 2 hours of general electives to replace the UNIV course.
- Online Graduation Clearance (**to be completed during the graduating semester only**).