

# CIVIL ENGINEERING, BS

## Course Sequencing

### First Year

Fall		Hours
ENGL 1301	Writing and Rhetoric I	3
HIST 1301	U.S. History to 1865	3
UNIV 1101	University Seminar I	1
MATH 2413	Calculus I	4
CHEM 1411	General Chemistry I	4
ENGR 1201	Introduction to Engineering	2
<b>Hours</b>		<b>17</b>

### Spring

ENGL 1302 or COMM 1311	Writing and Rhetoric II or Foundation of Communication	3
ENGR 1312	Engineering Graphics I	3
UNIV 1102	University Seminar II	1
MATH 2414	Calculus II	4
COSC 1330	Programming for Scientists, Engineers, and Mathematicians	3
PHYS 2425	University Physics I	4
<b>Hours</b>		<b>18</b>

### Second Year

Fall		Hours
ENGR 2325	Statics	3
MATH 3315	Differential Equations	3
HIST 1302	U.S. History Since 1865	3
MATH 2415	Calculus III	4
PHYS 2426	University Physics II	4
<b>Hours</b>		<b>17</b>

### Spring

ENGR 2326	Dynamics	3
Language, Philosophy & Culture Core Requirement		3
ENGR 3322	Materials Science	3
GEOL 1403 or GISC 1470	Physical Geology or Geospatial Systems I	4
<b>Hours</b>		<b>13</b>

### Third Year

Fall		Hours
POLS 2305	U.S. Government and Politics	3
MATH 3342	Applied Probability and Statistics	3
ENGR 3315	Fluid Mechanics	3
ENGR 3320	Strength of Materials	3
CEEN 2315	Geomatics and Surveying Engineering	3
<b>Hours</b>		<b>15</b>

### Spring

POLS 2306	State and Local Government	3
CEEN 3320	Geotechnical Engineering I	3
Technical elective		3
CEEN 4312	Hydraulics and Hydrology	3
CEEN 3321	Structural Analysis	3

CEEN 4304	Construction Materials Design	3
<b>Hours</b>		<b>18</b>

### Fourth Year

#### Fall

ENGR 4420	Engineering Lab Measurements	4
ENGR 4240	Project Management	2
Social and Behavioral Sciences Core Requirement		3
CEEN 4325	Reinforced Concrete Design	3
CEEN 4323	Structural Steel Design	3
<b>Hours</b>		<b>15</b>

#### Spring

ENGR 4370	Capstone Projects	3
CEEN 4306	Transportation Engineering	3
Technical elective		3
Creative Arts Core Requirement		3
Technical elective		3
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>128</b>

**Note:** Total Hours: 126 (128 with UNIV 1101 & 1102)