

## Major Requirements

The BS in Civil Engineering requires 128 credit hours. All courses must be completed with a “C” or higher. A curriculum flowchart is attached at the end of this handbook.

Course Title	Course Number	Credit Hours
<b>Pre-Engineering</b>		
See the section above. All engineering majors complete the same pre-engineering coursework.		
<b>Subtotal</b>		<b>50</b>
<b>Other Lower Division Courses</b>		
Introduction to Literature	LIT 2110	3
Statics	EGN 3311	3
Computer Science I	COP 2220	3
Free Elective		1
<b>Subtotal</b>		<b>10</b>
<b>Foundation</b>		
Probability and Statistics for Engineers	STA 3032	3
Thermodynamics I	EML 3100	3
Circuit Analysis I	EEL 3111	3
Economics for Engineers	ECP 3007	2
Computer Aided Engineering	EGN 3202	3
<b>Subtotal</b>		<b>14</b>
<b>Core Requirements</b>		
Dynamics	EGN 3321	3
Mechanics of Materials	CES 3104 C	3
Analysis of Structures	CES 3100	4
Fluid Mechanics	CWR 3201	3
Civil Engineering Surveying	CGN 3322 C	3
<b>Subtotal</b>		<b>16</b>
<b>Major Requirements</b>		
Geotechnical Engineering	CEG 3011 C	4
Foundation Engineering	CEG 3111	3
Environmental Engineering	ENV 3001 C	4
Hydraulics Engineering	CWR 4202 C	4
Civil Engineering Materials	CGN 3501 C	4
Design of Steel Structures	CES 3605 C	3
Design of Reinforced Concrete	CES 4702 C	3
Transportation Engineering	TTE 4004	3
Senior Capstone Design I	CGN 4803	1
Senior Capstone Design II	CGN 4804	3
<b>Subtotal</b>		<b>32</b>
<b>Technical Electives</b>		

See the Engineering academic advisor for a list of approved courses.		
<b><i>Subtotal</i></b>		<b><i>6</i></b>
<b><i>TOTAL</i></b>		<b><i>128</i></b>