

**Civil Engineering**  
**Bachelor of Science (B.S.C.E.) <034T>**  
 Catalog Year 2016-17

First Semester				Second Semester			
ENGL	101	Composition and Rhetoric ( <i>GEF 1</i> )	3.00	ENGL	102	Composition and Rhetoric ( <i>GEF 1</i> )	3.00
WVUE	191	First Year Seminar	1.00	MAE	241	Statics	3.00
CHEM	115	Fund of Chemistry I ( <i>GEF 8</i> )	4.00	ENGR	111	Software Tools for Engineers	3.00
DRET	120	Drafting 1	2.00	CHEM	116	Fund of Chemistry II ( <i>GEF 8</i> )	4.00
MATH	155	Calculus I ( <i>GEF 3</i> )	4.00	MATH	156	Calculus II ( <i>GEF 8</i> )	4.00
			<b>14.00</b>				<b>17.00</b>
Third Semester				Fourth Semester			
MAE	242	Dynamics	3.00	MAE	331	Fluid Mechanics	3.00
MAE	243	Mechanics of Materials	3.00	CE	361	Structural Analysis I	4.00
CE	204	Surveying	3.00	MATH	261	Elementary Differential Equations	4.00
MATH	251	Multivariable Calculus	4.00	CE	331	Transportation Engineering	3.00
PHYS	111	Physics Sci & Engr I ( <i>GEF 2B</i> )	4.00	GEOL	312	Geology	3.00
			<b>17.00</b>				<b>17.00</b>
Fifth Semester				Sixth Semester			
CE	312	Construction Materials	3.00	CE	351	Introductory Soil Mechanics	4.00
CE	421	Hydraulic Engineering	4.00	CE	347	Intro. Environmental Engr.	4.00
CE		Elective <sup>(2)</sup>	3.00	CE		Elective <sup>(2)</sup>	3.00
MATH	448	Probability and Statistics	3.00	ENGL	305	Technical Writing	3.00
GEF	5	Human Inquiry and the Past	3.00				<b>14.00</b>
			<b>16.00</b>				<b>14.00</b>
Seventh Semester				Eighth Semester			
CE		Elective <sup>(2)</sup>	3.00	CE	479	Integrated CE Design	3.00
CE		Elective <sup>(2)</sup>	3.00	CE		Elective <sup>(3)</sup>	3.00
ECON	401	Managerial Economics ( <i>GEC 4</i> )	3.00	ENGR	401	Senior Engineering Seminar	1.00
		Technical Elective <sup>(1) (3)</sup>	3.00	ENGR	402	Fund of Engineering Review	2.00
GEF	6	The Arts and Creativity	3.00			Technical Elective <sup>(1) (3)</sup>	3.00
			<b>15.00</b>	GEF	7	Global Studies and Diversity	3.00
			<b>15.00</b>				<b>15.00</b>

**Total hours necessary to earn the B.S.C.E. degree = 125.00**

Notes: <sup>(1)</sup> Technical electives must be approved by the Civil Engineering Department.

<sup>(2)</sup> Four electives, one from structures, environmental, transportation, and geotechnical are required.

<sup>(3)</sup> One CE Elective and two Technical Electives (approved by the CE Department) are also to be taken. These three courses must contain at least 2.0 hours of ABET design content (combined).