

CIVIL ENGINEERING

CODE: 4180 (140801-01) Bachelor of Science in Civil Engineering

Students with ACT score of 30 or above in mathematics and with at least 8 weeks of trigonometry in high school may register for Mathematics 270, Calculus I, upon entry. Students with ACT scores between 26-29 may take the advanced placement test given by the math department. Those who do not meet these qualifications must take Mathematics 109, Algebra, and Mathematics 110, Trigonometry, and are advised to complete these courses in the summer semester prior to the freshman year.

Freshman Year

First Semester		Credit	Second Semester		Credit		
CHEM	107	General Chemistry I	3	CHEM	108	General Chemistry II	3
CIVE	142	Cive Graphics	2	CHEM	115	General Chemistry Lab ...	2
ENGL	101	Rhet and Comp	3	ENGL	102	Comp and Lit.....	3
MATH	270	Calculus I	4	MATH	301	Calculus II	4
		Elective (HIST) ¹	3	PHYS	201	General Physics I	4
			<u>15</u>				<u>16</u>

Sophomore Year

CIVE	225	Surveying	3	CIVE	242	Civ Engr Design I	2
ENGR	211	Statics	3	ENGR	201	Elec Circuits	3
MATH	302	Calculus III	4	ENGR	203	Mechanics of Materials	3
		Elective (BIO SCI) ²	3	MATH	350	Diff. Equations	3
		Elective (ARTS) ^{1,3}	3			Elective (BHSC) ¹	3
			<u>16</u>			Elective (CMCN) ²	3
							<u>17</u>

Junior Year

CIVE	328	Geotech Engrg	3	CIVE	322	Envir Engrg I	3
CIVE	332	Structural Mech I	3	CIVE	342	Civ Engr Design II	2
ECON	300	Fund of Econ	3	ENGR	303	Engrg Econ	3
ENGR	301	Thermodynamics	3	ENGR	313	Dynamics.....	3
ENGR	304	Fluid Mechanics	3			Elective (STAT) ²	3
			<u>15</u>			Elective (PHIL) ²	3
							<u>17</u>

Senior Year

CIVE	427	Reinforced Concrete	3	CIVE	426	Structural Design in Metal	3
CIVE	434	Hydraulics.....	3	CIVE	442	Civ Engr Design III	2
CIVE	438	Found Engineering	3			Electives (CIVE) ²	9
CIVE	450	Highway Engr	3			Elective (LIT) ¹	3
		Electives (CIVE) ²	3				<u>17</u>
			<u>15</u>				

¹Must be chosen from the College of Engineering approved list. NOTE: BHSC electives must be chosen from ANTH, ECON, GEOG, POLS, PSYC, or SOCI.

²Must be chosen from department approved list.

³Arts elective must be chosen from DANC, MUS, THEA, or VIAR.