

Bachelor of Science Degree in Civil Engineering

Four Year Degree Plan - Total Credits: 126

First Year	<i>First Semester</i>		<i>Second Semester</i>	
	CHEM 111 General Chemistry I Lab	1	CIVE 141 Civil Engineering Materials	3
	CHEM 131 General Chemistry	3	CIVE 141L Civil Eng. Materials Lab	1
	CS 116 Intro to Computer Science	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English	3	MATH 241 Calculus & Geometry I	4
	MATH 136 Pre-calculus Mathematics	3	MUSIC 239 Fine Arts in Daily Living	3
	SC 135 Business Professional Communication	3		
	16		15	

Second Year	<i>Third Semester</i>		<i>Fourth Semester</i>	
	CIVE 231 Plane Surveying	3	CIVE 232 Statics	3
	CIVE 224 Geotechnical Engineering	3	CIVE 223 Hydrology & Water Resources	3
	CIVE 224L Geotechnical Engineering Lab	1	MATH 243 Calculus & Anal. Geometry III	4
	ENG 2xx Upper level English	3	PHYS 218 University Physics II Lab	1
	MATH 242 Calculus & Geometry II	4	PHYS 252 University Physics II	3
	PHYS 217 University Physics I Lab	1	ECON 231 Principles of Economics 1	3
PHYS 251 University Physics I	3	HIST 231 Soc. Pol. His. of U.S. to 1877	3	
	18		20	

Third Year	<i>Fifth Semester</i>		<i>Sixth Semester</i>	
	CIVE 233 Dynamics	3	CIVE 301 Environmental Engineering	3
	CIVE 332 Applied Fluid Mechanics	3	CIVE 301L Environmental Engineering Lab	1
	CIVE 336 Strength of Materials	3	CIVE 333 Hydraulics Engineering	3
	MATH 251 Differential Equations	3	CIVE 338 Structural Analysis	3
	HIST 232 Soc. Pol. His. of U.S. since 1877	3	MATH 345 Applied Math and Statistics	3
	POLSC 235 American Pol. System I	3	POLSC 236 American Pol. System II	3
	18		16	

Fourth Year	<i>Seventh Semester</i>		<i>Eighth Semester</i>	
	CIVE 430 CO-OP ***	6	CIVE 334 Transportation Engineering	3
			CIVE 340 Structural Steel Design	3
			CIVE 339 Reinforced Concrete Design	3
			CIVE 434 Water & Wastewater Eng	3
			Technical Elective^^	3
			Technical Elective^^	3
	6		18	

Name: _____ T#: _____ Phone: _____

Address: _____

Advisor: _____ Date: _____

Approved:

Chair, Department of Engineering Technologies: _____ Date: _____

Dean, College of Science & Technology: _____ Date: _____

**CURRICULUM SUMMARY FOR THE
BACHELOR OF SCIENCE DEGREE
IN
CIVIL ENGINEERING**

TOTAL CREDITS REQUIRED: 126

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (CIVIL ENGR)	OTHER REQUIREMENTS	MINOR OR CONCENTRATION (OPTIONAL)
42 credits	EQUIVALENT	60 credits	24 credits	
<u>Communication:</u>		CIVE 141 (3)	CHEM 111 (1)	
ENG 131 (3)	ENGL 1301	CIVE 141L (1)	MATH 241 (4)	
ENG 132 (3)	ENGL 1302	CIVE 223 (3)	MATH 242 (4)	
<u>Mathematics:</u>		CIVE 224 (3)	MATH 243 (4)	
MATH 136 (3)	MATH 2312	CIVE 224L (1)	MATH 251 (3)	
<u>Life and physical sciences:</u>		CIVE 231 (3)	MATH 345 (3)	
CHEM 131 (3)	CHEM 1311	CIVE 232 (3)	PHYS 217 (1)	
PHYS 251 (3)	PHYS 2325	CIVE 233 (3)	PHYS 218 (1)	
<u>Language, philosophy, and culture:</u>		CIVE 301 (3)	PHYS 252 (3)	
ENG 2xx (3)		CIVE 301L (1)		
<u>Creative arts:</u>		CIVE 332 (3)		
MUSIC 239 (3)	HUMA 1315	CIVE 333 (3)		
<u>American history:</u>		CIVE 334 (3)		
HIST 231 (3)	HIST 1301	CIVE 336 (3)		
HIST 232 (3)	HIST 1302	CIVE 338 (3)		
<u>Government/political science:</u>		CIVE 339 (3)		
POLS 235 (3)	GOVT 2305	CIVE 340 (3)		
POLS 236 (3)	GOVT 2306	CIVE 430 (6)**		
<u>Social and behavioral sciences:</u>		CIVE 434 (3)		
ECON 231 (3)	ECON 2301	Technical Elective (3)^		
<u>Institutional Options:</u>		Technical Elective (3)^		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

*Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

** Non co-op track will allow students to satisfy internship requirement with completion of 6 credit hours in CIVE 400 Problems in Civil Engineering

^^ Technical Electives may be selected from CIVE 335 (3), CIVE 435 (3), ENGR 433(3), CIVE 490 (3), & ENGR 480 (3)