

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

TOTAL CREDITS REQUIRED:129

CORE CURRICULUM (STANDARD)*		MAJOR (CIVIL ENGINEERING TECHNOLOGY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		57 credits	30 credits	0 credits
<u>Communication:</u>		CIVT 141 (3)	CHEM 111 (1)	
ENG 131 (3)**	ENGL 1301	CIVT 223 (3)	ITEC 331 (3)	
ENG 132 (3)	ENGL 1302	CIVT 224 (3)	DRFT 336 (3)	
<u>Mathematics:</u>		CIVT 231 (3)	MATH 134 (3)	
MATH 133 (3)	MATH 1314	CIVT 232 (3)	MATH 241 (4)	
<u>Life and physical sciences:</u>		CIVT 233 (3)	MATH 242 (4)	
CHEM 131 (3)	CHEM 1311	CIVT 301 (3)	PHYS 213 (1)	
PHYS 237 (3)	PHYS 130 1	CIVT 332 (3)	PHYS 214 (1)	
<u>Language, philosophy, and culture:</u>		CIVT 333 (3)	PHYS 238 (3)	
ENG 2xx (3) ***		CIVT 334 (3)	ENGR 131 (3)	
<u>Creative arts:</u>		CIVT 335 (3)	FS 102 (1)	
MUSI 239 (3)	HUMA 1315	CIVT 336 (3)	ENGT 331 (3)	
<u>American history:</u>		CIVT 337 (3)		
HIST 231 (3)	HIST 1301	CIVT 338 (3)		
HIST 232 (3)	HIST 1302	CIVT 340 (3)		
<u>Government/political science:</u>		CIVT 400 (3)		
POLS 235 (3)	GOVT 2305	CIVT 434 (3)		
POLS 236 (3)	GOVT 2306	CIVT 435 (3)		
<u>Social and behavioral sciences:</u>		Technical Elective (3) ^		
SOC 157 (3)	SOCI 1301			
<u>Institutional Options:</u>				
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.

** (N) represents the number of course credits.

*** ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

^The Technical Elective should be selected from one of the following three-credit courses: MATH 345, MATH 474, and ENGT 433.

**BACHELOR OF SCIENCE IN
CIVIL ENGINEERING TECHNOLOGY**

TOTAL CREDITS: 129

First Year	FIRST SEMESTER		SECOND SEMESTER	
	CHEM 111 General Chemistry I lab	1	SC 135 Business and Prof. Comm.	3
	CHEM 131 General Chemistry I	3	CIVT 224 Geotechnical Engineering	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	CS 116 Intro to Computer and their Appl.	3	MATH 134 Plane Trig. or MATH 136 Pre Cal.	3
	MATH 133 College Algebra	3	PHYS 237 College Physics I	3
	CIVT 141 Civil Engineering Materials	3	PHYS 213 College Physics I Lab	1
	FS 102 Freshman Seminar	1		
	17 Hrs		16 Hrs	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2xx Upper Level English	3	CIVT 223 Hydrology and Water Resources	3
	MATH 241 Calculus & Analytic Geometry I	4	CIVT 233 Dynamics	3
	PHYS 238 College Physics II	3	SOC 157 Introduction to Sociology	3
	PHYS 214 College Physics II Lab	1	MUSI 239/ART 131 Intro to Music or Art	3
	CIVT 231 Plane Surveying	3	MATH 242 Calculus & Analytic Geometry II	4
	CIVT 232 Statics	3		
		17 Hrs		16 Hrs

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	HIST 231 Social & Political History of U.S. I	3	HIST 232 Social & Political History of US. II	3
	CIVT 301 Environmental Engineering	3	CIVT 335 Geometric Design of Highway	3
	CIVT 332 Applied Fluid Mechanics	3	CIVT 333 Hydraulics Engineering	3
	CIVT 334 Transportation Engineering	3	CIVT 336 Structural Analysis	3
	COSC 1301	3	CIVT 434 Water and Wastewater Engineering	3
	ENGR 131 Engineering Graphics	3		
		18 Hrs		15 Hrs

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	DRFT 336 Computer Aided Drafting	3	ITEC 331 Technical Writing	3
	POLS 235 American Political System I	3	POLS 236 American Political System II	3
	CIVT 340 Structural Steel Design	3	CIVT 400 Problem in Civil Engineering Tech	3
	CIVT 337 Reinforced Concrete Design	3	CIVT 435 Civil Engr. Construction Methods	3
	ENGT 331 Engineering Economy	3	*Technical Elective 3xx or 4xx	3
		15 Hrs		15 Hrs

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

*The Technical Elective should be selected from one of the following three-credit courses:

MATH 345 Applied Mathematics and Statistics for Technology

MATH 474 Probability and Statistics II ENGT

433 Alternative Energy Technology