

CIVIL ENGINEERING TECHNOLOGY, BACHELOR OF SCIENCE

SUMMARY

Code	Title	Hours
Core Curriculum Requirements (https://catalog.tsu.edu/undergraduate/general-education-core-curriculum/)		42
Major Requirements (57 hours)		
CIVT 141	Civil Engr Mtls	3
CIVT 223	Water Resource Engineering	3
CIVT 224	Soil Engineering	3
CIVT 231	Plane Surveying I	3
CIVT 232	Statics	3
CIVT 233	Dynamics	3
CIVT 301	Environmental Engineering	3
CIVT 332	Applied Fluid Mechanics	3
CIVT 333	Hydraulic Engineering	3
CIVT 334	Transportation Engineering	3
CIVT 335	Geom Des Of Highways	3
CIVT 336	Structural Analysis	3
CIVT 337	Reinforced Concrete Design	3
CIVT 338	Strength of Materials	3
CIVT 340	Structural Steel Design	3
CIVT 400	Civil Engr Tech Project	3
CIVT 434	Water & Waterwaste Engineering	3
CIVT 435	Building Construction	3
Technical Elective ¹		3
Other Requirements (30 hours)		
CHEM 111	Chemistry I Lab	1
ITEC 331	Technical Writing	3
DRFT 336	Computer-Aided Design	3
MATH 134	Plane Trigonometry	3
MATH 2413	Calculus & Analytic Geomtry I	4
MATH 2414	Calculus&Analytic Geometry II	4
PHYS 213	College Phys Lab I	1
PHYS 214	College Phys Lab II	1
PHYS 1302	College Physics II	3
ENGR 131	Engineering Graphics	3
FS 102	Freshman Seminar/ first Year Experience	1
ENGT 331	Engineering Economy	3
Total Hours		129

Course	Title	Hours
First Year		
First Semester		
CHEM 111	Chemistry I Lab	1
CHEM 1311	Chemistry I	3
ENGL 1301	Freshman English I	3
MATH 1314	College Algebra	3

COSC 1301	Intro To Compr Science I	3
CIVT 141	Civil Engr Mtls	3
FS 102	Freshman Seminar/ first Year Experience	1
Hours		17

Second Semester		
COMM 1321	Business & Professional Comm	3
CIVT 224	Soil Engineering	3
ENGL 1302	Freshman English II	3
MATH 134	Plane Trigonometry	3
PHYS 1301	College Physics I	3
PHYS 213	College Phys Lab I	1
Hours		16

Second Year		
Third Semester		
ENG 2XX Any 200-Level English		3
MATH 2413	Calculus & Analytic Geomtry I	4
PHYS 1302	College Physics II	3
PHYS 214	College Phys Lab II	1
CIVT 231	Plane Surveying I	3
CIVT 232	Statics	3
Hours		17

Fourth Semester		
CIVT 223	Water Resource Engineering	3
CIVT 233	Dynamics	3
SOCI 1301	Introduction To Sociology	3
MATH 2414	Calculus&Analytic Geometry II	4
MUSI 1315	Fine Arts In Daily Living	3
Hours		16

Third Year		
Fifth Semester		
HIST 1301	Soc & Pol Hist US to 1877	3
CIVT 301	Environmental Engineering	3
CIVT 332	Applied Fluid Mechanics	3
CIVT 334	Transportation Engineering	3
CIVT 338	Strength of Materials	3
ENGR 131	Engineering Graphics	3
Hours		18

Sixth Semester		
HIST 1302	Soc & Pol Hist US Since 1877	3
CIVT 335	Geom Des Of Highways	3
CIVT 333	Hydraulic Engineering	3
CIVT 336	Structural Analysis	3
CIVT 434	Water & Waterwaste Engineering	3
Hours		15

Fourth Year		
Seventh Semester		
DRFT 336	Computer-Aided Design	3
POLS 2305	American Government	3
CIVT 340	Structural Steel Design	3
CIVT 337	Reinforced Concrete Design	3
ENGT 331	Engineering Economy	3
Hours		15

Eighth Semester

ITEC 331	Technical Writing	3
POLS 2306	Texas Government	3
CIVT 400	Civil Engr Tech Project	3
CIVT 435	Building Construction	3
Technical Elective 3XX or 4XX ¹		3
Hours		15
Total Hours		129

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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 Scientists and Engineers
- MATH 474 Probability & Statistics II
- ENGT 433 Alternative Energy Tech