



2016-17 BS Civil Engineering Degree Plan

Last First Middle SMU Student ID

See University Curriculum requirements in the Undergraduate Catalog.

MAJOR

Courses	Hours	Semester & Year	Grade
CEE 1302 – Introduction to Civil & Environmental Engineering	3		
KNW 2300 – First-year Design	3		
CEE 2304 – Fundamentals of Environmental Engineering	3		
CEE 2310 – Statics	3		
CEE 2320 – Dynamics	3		
CEE 2331 – Thermodynamics	3		
CEE 2340 – Mechanics of Deformable Bodies	3		
CEE 2140 – Mechanics of Materials Laboratory	1		
CEE 2342 – Fluid Mechanics	3		
CEE 2142 – Fluid Mechanics Laboratory	1		
CEE 2372 – Introduction to CAD	3		
CEE 3310 – Computational Methods for Civil/Environmental Engineering Applications	3		
CEE 3323 – Water Resources Engineering	3		
CEE 3350 – Structural Analysis	3		
CEE 3385 – Soil Mechanics & Foundations	3		
CEE 4350 – Design of Steel Structures	3		
CEE 4351 – Design of Concrete Structures	3		
CEE 4380 – Civil & Environmental Engineering Design I	3		
CEE 4381 – Civil & Environmental Engineering Design II	3		
CEE 5354 – Environmental Engineering Principles & Processes	3		
CEE 5378 – Transportation Engineering & Traffic Planning	3		
CEE X3XX – Technical Elective ¹	3		
CEE X3XX – Technical Elective ¹	3		
TOTAL	65		

MATHEMATICS/STATISTICS

Courses	Hours	Semester & Year	Grade
MATH 1337 – Calculus with Analytic Geometry I	3		
MATH 1338 – Calculus with Analytic Geometry II	3		
MATH 2339 – Calculus with Analytic Geometry III	3		
MATH 2343 – Elementary Differential Equations	3		
STAT 4340 or STAT 5340– Statistical Methods for Engineers & Applied Scientists	3		
TOTAL	15		

SCIENCE

Courses	Hours	Semester & Year	Grade
CHEM 1303 – General Chemistry I	3		
CHEM 1113 – General Chemistry Laboratory I	1		
CEE 2321 – Aquatic Chemistry	3		
CEE 2121 – Aquatic Chemistry Laboratory	1		
PHYS 1303 – Introductory Mechanics	3		
PHYS 1105 – General Physics Laboratory I	1		
PHYS 1304 – Introductory Electricity & Magnetism	3		
PHYS 1106 – General Physics Laboratory II	1		
GEOL 1301 – Earth Systems or GEOL 1315 – Introduction to Environmental Science	3		
TOTAL	19		

ENGINEERING LEADERSHIP

Courses	Hours	Semester & Year	Grade
CEE 3302 – Engineering Communications	3		
EMIS 3308 – Engineering Management, or EMIS 3309 – Information Engineering & Global Perspectives, or CSE 4360 – Technical Entrepreneurship	3		
TOTAL	6		

White Degree Plan (For advising ONLY!)

Blue Degree Plan (For graduating seniors ONLY: Due at the beginning of the graduating semester.)

GRADUATION CERTIFICATION:

Advisor Date

Dept. Chair or Associate Chair Date

Assistant Dean Date