SMU | BOBBY B. LYLE SCHOOL OF ENGINEERING

2016-17 BS Civil Engineering Degree Plan
BS Math Dual Degree

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 – CEE Laboratory: Mechanics of Materials	1		
CEE 2342 – Fluid Mechanics	3		
CEE 2142 – Fluid Mechanics Laboratory	1		
CEE 2372 – Introduction to CAD	3		
CEE 3310 – Computational Methods: 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 or GEOL 1315 or ANTH 2363	3		
TOTAL	**19**		

FOR DUAL MATH DEGREE

Courses	Hours	Semester & Year	Grade
MATH 3315 – (CSE 3365) Introduction to Scientific Computing	3		
MATH 3337 – Advanced Mathematics for Science and Engineering	3		
Advanced Math Elective[2]	3		
Advanced Math Elective[2]	3		
TOTAL	12		

White Degree Plan (For advising <u>ONLY</u>!)

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

GRADUATION CERTIFICATION:

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Advisor   **Date**

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Dept. Chair or Associate Chair   **Date**

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Assistant Dean   **Date**

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[1]Advisor's approval required when enrolling in dual CEE/MATH advanced electives; CEE 5361, CEE 5364 or ME 5322.
[2]Advanced math electives must be approved by the student's math advisor.