SMU | BOBBY B. LYLE SCHOOL OF ENGINEERING

2016-17 BS Environmental 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 2331 – Thermodynamics	3		
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 3331 – Fundamentals of Air Quality I	3		
CEE 3341 – Introduction to Solid & Hazardous Waste Management	3		
CEE 3351 – Principles of Industrial Hygiene and Occupational Health	3		
CEE 4380 – Civil & Environmental Engineering Design I	3		
CEE 4381 – Civil & Environmental Engineering Design II	3		
CEE 5317 – Environmental Organic Chemistry	3		
CEE 5354 – Environmental Engineering Principles & Processes	3		
Environmental Technical Elective[1]	3		
Environmental Technical Elective[1]	3		
CEE 3000+ Elective	3		
TOTAL	58		

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	1		
CEE 2322 – Field Methods for Soil and Water Analysis or CEE 5319 – Soil Chemistry and Mineralogy	3		
CEE 4418 – Engineering Microbiology	4		
TOTAL	23		

FOR MATH DUAL 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 ONLY!)

Blue Degree Plan (For graduating seniors ONLY: 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**

[1]Advisor's approval required when enrolling in dual CEE/MATH electives; CEE 5331, CEE 5332, CEE 5334 or MATH 6336 (ME 5336).
[2]Advanced math electives must be approved by the student's math advisor.