SMU | BOBBY B. LYLE SCHOOL OF ENGINEERING

2012-13 BS Environmental Engineering Degree Plan

BS Math Dual Degree

Last	First	Middle	SMU Student ID

Dallas Address	Phone Number	Advisor

See University Curriculum requirements in the Undergraduate Catalog.

MAJOR

Courses	Hours	Semester & Year	Grade
CEE 1302 – Introduction to Civil & Environmental Engineering	3		
CEE 1331 – Meteorology	3		
CEE 2304 – Introduction to Environmental Engineering & Science	3		
CEE 2421 – Aquatic Chemistry	4		
CEE 2372 – Introduction to CAD	3		
CEE 3323 – Water Resources Engineering	3		
CEE 3431 – Fundamentals of Air Quality I	4		
CEE 3341 – Introduction to Solid & Hazardous Waste Management	3		
CEE 3451 – Principles of Industrial Hygiene and Occupational Health	4		
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[2]	3		
Environmental Technical Elective[2]	3		
TOTAL	48		

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		

BASIC ENGINEERING

Courses	Hours	Semester & Year	Grade
CEE 2310 – Statics	3		
CEE 2331 – Thermodynamics	3		
CEE 2342 – Fluid Mechanics	3		
CEE 3310 – Computational Methods: Civil/Environmental Engineering Applications	3		
TOTAL	12		

SCIENCE

Courses	Hours	Semester & Year	Grade
CEE 5418 – Engineering Microbiology	4		
CHEM 1303 – General Chemistry I	3		
CHEM 1113 – General Chemistry Laboratory I	1		
CHEM 1304 – General Chemistry II	3		
CHEM 1114 – General Chemistry Laboratory II	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		
TOTAL	20		

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[3]	3		
Advanced Math Elective[3]	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**

_____

Dept. Chair or Associate Chair **Date**

_____

Assistant Dean **Date**

[1]Engineering majors are required to take 9 hours of Perspectives and 6 hours of Cultural Formations, or 12 hours of Perspectives and 3 hours of Cultural Formations for a total of 15 hours. One of the selections for Perspectives or Cultural Formations must satisfy the Human Diversity Co-Requirement.
[2]Advisor's approval required when enrolling in dual CEE/MATH electives; CEE 5331, CEE 5332,CEE 5334 or MATH 6336 (ME 5336).
[3]Advanced math electives must be approved by the student's math advisor.