

SMU ENGINEERING

2009-10 BS Environmental Science Degree Plan Premedical Specialization

Last First Middle SMU Student ID

Dallas Address Phone Number Advisor

General Education Curriculum (GEC): From fall 2009 through summer 2010

Courses	Hours	Semester & Year	Grade
ENGL 1301 – Written English I	3		
ENGL 1302 – Written English II	3		
Perspectives ¹ – Arts			
Perspectives ¹ – Literature			
Perspectives ¹ – Religious & Philosophical Thought			
Perspectives ¹ – History			
Perspectives ¹ – Politics & Economics			
Perspectives ¹ – Behavioral Sciences			
Cultural Formations			
Cultural Formations			
Human Diversity requirement fulfilled by:	*****		
Wellness I	1		
Wellness II	1		
TOTAL	29		

MAJOR

Courses	Hours	Semester & Year	Grade
ENCE 1302 – Introduction to Environmental and Civil Engineering	3		
ENCE 1331 – Meteorology	3		
ENCE 2304 – Introduction to Environmental Engineering & Science	3		
ENCE 2421 – Aquatic Chemistry	4		
ENCE 3302 – Engineering Communications	3		
ENCE 3431 – Fundamentals of Air Quality I	4		
ENCE 3341 – Introduction to Solid & Hazardous Waste Management	3		
ENCE 3451 – Principles of Industrial Hygiene and Occupational Health	4		
Environmental Technical Elective ²	3		
Environmental Management Elective ³	3		
Environmental Management Elective ³	3		
Environmental Management Elective ³	3		
Environmental Management Elective ³	3		
TOTAL	42		

MATHEMATICS/STATISTICS

Courses	Hours	Semester & Year	Grade
MATH 1337 – Calculus with Analytic Geometry I	3		
MATH 1338 – Calculus with Analytic Geometry II	3		
STAT 4340 – Statistical Methods for Engineers & Applied Scientists	3		
TOTAL	9		

BASIC ENGINEERING

Courses	Hours	Semester & Year	Grade
CSE 1340 or CSE 1341 or EMIS 1307	3		
TOTAL	3		

SCIENCE

Courses	Hours	Semester & Year	Grade
BIOL 1401 – Introductory Biology I	4		
BIOL 1402 – Introductory Biology II	4		
BIOL 3304 – Genetics	3		
BIOL 3350 – Cell Biology	3		
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		
CHEM 3371 – Organic Chemistry I	3		
CHEM 3117 – Organic Chemistry Laboratory I	1		
CHEM 3372 – Organic Chemistry II	3		
CHEM 3118 – Organic Chemistry Laboratory II	1		
GEOL 1301 – Earth Systems	3		
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		
TOTAL	41		

ADDITIONAL COURSES

Courses	Hours	Semester & Year	Grade
Technical or Engineering Leadership Elective ²	3		
TOTAL	3		

Total TCH: _____ (Minimum 127)

White Degree Plan (For advising ONLY!)

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

GRADUATION CERTIFICATION: (Graduating Seniors ONLY!)

Advisor Date

Dept. Chair or Associate Chair Date

Assistant Dean Date

¹All students are exempt from 3 hours of Perspectives.

²Advisor's approval required.

³Students choose any 4 of the following 7: ENCE 5311, ENCE 5314, ENCE 5315, ENCE 5323, ENCE 5350, ENCE 5352 and ENCE 5353.