SMU ENGINEERING

2003-04 BS Environmental Engineering Degree Plan

Pre-Medical Specialization

Last	First	Middle	SMU Student ID

Dallas Address	Phone Number	Advisor

General Education Curriculum (GEC): From fall 2003 through summer 2004

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[1]			
Cultural Formations[1]			
Human Diversity requirement fulfilled by:	*******		
Wellness I	1		
Wellness II	1		
TOTAL	23		

MAJOR

Courses	Hours	Semester & Year	Grade
ENCE 1301 – Environmental & Technology: Ecology & Ethics	3		
ENCE 2304 – Introduction to Environmental Engineering & Science	3		
ENCE 2421 – Aquatic Chemistry	4		
ENCE 3323 – Water Resources Engineering	3		
ENCE 3431 – Fundamentals of Air Quality I	4		
ENCE 3341 – Introduction to Solid & Hazardous Waste Management	3		
ENCE 3451 – Principles of Industrial Hygiene, Occupational Health & Environmental Control	4		
ENCE 4354 – Environmental Engineering Principles & Processes	3		
ENCE 4380 – Environmental & Civil Engineering Design I	3		
ENCE 4381 – Environmental & Civil Engineering Design II	3		
Environmental Technical Elective[2]	3		
Environmental Technical Elective[2]	3		
Environmental Technical Elective[2]	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		
MATH 2339 – Calculus with Analytic Geometry III	3		
MATH 2343 – Elementary Differential Equations	3		
STAT 4340 – Statistical Methods for Engineers & Applied Scientists	3		
TOTAL	15		

BASIC ENGINEERING

Courses	Hours	Semester & Year	Grade
CSE 1341 – Principles of Computer Science I	3		
ENCE 2310 – Statics	3		
ENCE 2331 – Fundamentals of Thermal Science (Thermodynamics)	3		
ENCE 2342 – Fluid Mechanics	3		
TOTAL	12		

SCIENCE

Courses	Hours	Semester & Year	Grade
BIOL 1401 – Introductory Biology I	4		
BIOL 1402 – Introductory Biology II	4		
BIOL 3304 – Genetics	3		
BIOL 3306 – Physiology	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 or 1315 – Introduction to Environmental Sciences	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
TOTAL			

Total TCH: _____ (Minimum 133)

GRADUATION CERTIFICATION: (Graduating Seniors ONLY!)

_____
Advisor **Date**

_____
Dept. Chair or Associate Chair **Date**

_____
Assistant Dean **Date**

GRADUATING SENIORS: You **must** file for graduation and declare all your majors/minors by the beginning of the semester in which you plan to graduate. If you **do not** file on time you **will not** graduate! You **must** also fill out, get signatures, and turn in your **DEGREE PLAN** (blue card stock sheet) one month before graduation! **Remember** to file for graduation for your additional major(s) outside the School of Engineering. GOOD LUCK!

[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