

MASTER'S DEGREE PLAN
MASTER OF SCIENCE IN ENVIRONMENTAL SCIENCE
GRADUATE DIVISION – SMU-SCHOOL OF ENGINEERING

Social Security #: _____ Name: _____
 Home Address: _____ Home Phone: _____
 Business Address: _____ Business Phone: _____
 E-mail Address: _____ Fax Phone: _____

CORE COURSES (15 SCH)

ENCE 7312	Risk Assessment and Health Effects	_____	3	_____	_____
ENCE 7313	Environmental Chemistry & Biology	_____	3	_____	_____
ENCE 7321	Physical & Chemical Waste Treatment	_____	3	_____	_____
ENCE 7322	Biological Waste Treatment and Incineration	_____	3	_____	_____
ENCE 7331	Air Pollution Management & Engineering	_____	3	_____	_____

GROUP I ELECTIVES (9 SCH)

ENCE 7311	Environmental & Hazardous Waste Law	_____	3	_____	_____
ENCE 7333	Laboratory Methods in Environmental Eng	_____	3	_____	_____
ENCE 7351	Introduction to Environmental Toxicology	_____	3	_____	_____
BIOL (CHEM) 5110	Biological Chemistry Lab	_____	3	_____	_____
BIOL (CHEM) 5310	Biological Chemistry: Macromolecular Structure and Function	_____	3	_____	_____
BIOL 5311	Biological Chemistry: Metabolism	_____	3	_____	_____
BIOL 5364	Endocrine Physiology	_____	3	_____	_____
CHEM 5486	Instrumental Analysis	_____	3	_____	_____
GEOL 5370	Global Change	_____	3	_____	_____
GEOL 5384	Hydrogeology	_____	3	_____	_____
GEOL 5386	Geochemistry	_____	3	_____	_____
GEOL 6369	Advanced Geochemistry	_____	3	_____	_____
GEOL 6370	Aquatic & Mineral-Water Interface Geochem	_____	3	_____	_____

GROUP II ELECTIVES (6 SCH)

ENCE 7314	Sources and Nature of Hazardous Wastes	_____	3	_____	_____
ENCE 7315	Integrated Waste Management	_____	3	_____	_____
ENCE 7323	Project Management	_____	3	_____	_____
ENCE 7332	Ground Water Hydrology & Contaminants	_____	3	_____	_____
ENCE 7334	Fate & Transport of Contaminants	_____	3	_____	_____
ENCE 7335	Aerosol Science, Engineering & Control Systems Design	_____	3	_____	_____
ENCE 7350	Introduction to Environmental Mgt. Systems	_____	3	_____	_____
ENCE 7352	Management of Radioactive Hazards	_____	3	_____	_____

ENCE 7(0,1,2,3,6)96	Master's Thesis	_____	0,1,2,3,6	_____	_____
EMIS 8360	Operations Research Models	_____	3	_____	_____
EMIS 8361	Economic Decision Analysis	_____	3	_____	_____
EMIS 8362	Engineering Accounting	_____	3	_____	_____
EMIS 8363	Engineering Finance	_____	3	_____	_____
EMIS 8364	Management for Engineers	_____	3	_____	_____
EMIS 8378	Optimization Models for Decision Support	_____	3	_____	_____
TOTAL HOURS			<u>30</u>		

APPROVED

Advisor / Date

Department Head / Date

Director of Graduate Division/Date