

DEGREE PLAN SUPPLEMENT – SECONDARY SPECIALTY
Master of Science in Civil Engineering or Master of Science in Environmental Engineering
SMU Department of Civil and Environmental Engineering

SMU ID #: _____ Name: _____

Home Address: _____ Home Phone: _____

Business Address: _____ Business Phone: _____

E-mail Address: _____ Fax Phone: _____

Secondary specialties are optional. If a student wishes to pursue this option, he/she must complete the core courses from one CEE primary specialty and at least 9 Term-credit Hours in one of the secondary specialties as follows.

Smart and Resilient Infrastructure

Course No.	Title	Instructor	Hrs.	Semester	Grade
CEE 7308	Smart Infrastructure And Environment	_____	3	_____	_____

At least 3 Term-credit Hours of

CEE 7304	Civil And Environmental Informatics	_____	3	_____	_____
CEE 7324	Geographic Information Systems And Mapping	_____	3	_____	_____

At least 3 Term-credit Hours of

CEE 7325	Disaster Management	_____	3	_____	_____
CEE 7330	Design For Sustainable Infrastructure	_____	3	_____	_____
CEE 7362	Engineering Analysis With Numerical Methods	_____	3	_____	_____
CEE 7376	Intelligent Transportation Systems	_____	3	_____	_____

Electives (optional)

CSE 7323	Mobile Applications For Sensing & Learning	_____	3	_____	_____
EE 7372	Topics In Digital Signal Processing	_____	3	_____	_____
EE/CSE 7394	Measurement Study Design With Phones & Drones	_____	3	_____	_____

TOTAL HOURS (9 Minimum) _____

Environmental Health and Compliance

Course No.	Title	Instructor	Hrs.	Semester	Grade
CEE 7312	Risk Assessment And Health Effects	_____	3	_____	_____
CEE 7314	Environmental Regulations And Compliance	_____	3	_____	_____
CEE 7353	Environmental Epidemiology	_____	3	_____	_____

Electives (optional)

CEE 7317	Environmental Organic Chemistry	_____	3	_____	_____
CEE 7320	Biodegradation Of Hazardous Organic Pollutants	_____	3	_____	_____
CEE 7331	Air Pollution Management And Engineering	_____	3	_____	_____
CEE 7332	Groundwater Hydrology And Contamination	_____	3	_____	_____
CEE 7334	Fate And Transport Of Contaminants	_____	3	_____	_____
CEE 7351	Introduction To Environmental Toxicology	_____	3	_____	_____

TOTAL HOURS (9 Minimum) _____

Global and Sustainable Development

Course No.	Title	Instructor	Hrs.	Semester	Grade
CEE 8326	Sustainable Development	_____	3	_____	_____
<i>At least 3 Term-credit Hours of</i>					
CEE 7307	Infrastructure Design for the Developing World	_____	3	_____	_____
CEE 7330	Design For Sustainable Infrastructure	_____	3	_____	_____
<i>Electives (optional)</i>					
CEE 7302	Leadership in the Development Sector	_____	3	_____	_____
CEE 7303	Leadership Innovation Hub	_____	3	_____	_____
CEE 7324	Geographic Information Systems And Mapping	_____	3	_____	_____
CEE 7326	Sustainable Transportation	_____	3	_____	_____
CEE 7329	Methods And Technology For Sustainability	_____	3	_____	_____
CEE 8325	The Sustainable Urban Plan	_____	3	_____	_____
CEE 8327	Policy Impacts on Sustainability	_____	3	_____	_____
CEE 8329	Global Resource Assessment and Management	_____	3	_____	_____
TOTAL HOURS (9 Minimum)			_____		

APPROVED

Advisor / Date_____
Department Head / Date_____
Director of Graduate Division/Date**NOTE: Students should consult with their advisor each semester before enrolling, to ensure course credit.**