

DEGREE PLAN MASTER OF SCIENCE IN CIVIL ENGINEERING (Transportation Systems Management)

SMU ID #: _____ Name: _____
 Home Address: _____ Mobile Phone: _____
 SMU E-mail: _____ Alt Phone: _____

Course No.	Title	Instructor	Hrs.	Semester	Grade
<i>Articulation Courses (if required)</i>					
_____	_____	_____	3	_____	_____
_____	_____	_____	3	_____	_____
<i>Core Courses (15 Term-credit Hours)</i>					
CEE 7378	Transportation Planning and Traffic Engineering	_____	3	_____	_____
CEE 7379	Highways Design and Safety	_____	3	_____	_____
CEE 8379	Analysis of Transportation Systems	_____	3	_____	_____
OREM 7370	(STAT 5340) Prob. & Stats. for Scientists & Engineers	_____	3	_____	_____
OREM 8360	Operations Research Models	_____	3	_____	_____
<i>Electives (15 Term-credit Hours or 6 hours with a secondary specialty)</i>					
Any course listed below, or complete a secondary specialty (separate form),					
CEE 7(0,1,2,3,6) 96	Thesis	_____	6	_____	_____
CEE 7323	Project Management	_____	3	_____	_____
CEE 7324	GIS & Mapping	_____	3	_____	_____
CEE 7326	Sustainable Transportation Systems	_____	3	_____	_____
CEE 7331	Air Pollution Management and Engineering	_____	3	_____	_____
CEE 7350	Intro. to Environmental Management Systems	_____	3	_____	_____
CEE 7362	Engineering Analysis with Numerical Methods	_____	3	_____	_____
CEE 7365	Introduction to Construction Management	_____	3	_____	_____
CEE 7391	Special Projects (Topics in Transportation Engr.)	_____	3	_____	_____
CEE 8378	Transportation Demand Analysis	_____	3	_____	_____
CSE 7345	Advanced Application Programming	_____	3	_____	_____
OREM 7331	(CSE 7331) Data Mining	_____	3	_____	_____
OREM 7340	Logistics Systems Engineering	_____	3	_____	_____
OREM 8361	Economic Decision Analysis	_____	3	_____	_____
OREM 8371	Linear Programming	_____	3	_____	_____
OREM 8373	Integer Programming	_____	3	_____	_____
OREM 8374	Network Flows	_____	3	_____	_____
STAT 6336	Statistical Analysis	_____	3	_____	_____
			TOTAL HOURS (30 Minimum)		

APPROVED _____

Advisor / Date

Department Head / Date

Lyle Director of Graduate Studies/Date

NOTE: Students should consult with their advisor each semester before enrolling, to ensure course credit.

All Lyle graduate degrees must be completed within a 7 year window. Most courses are offered during alternating semesters. Sample tracks for completion are shown below:

- | | |
|-------------------------------------|--|
| Fall - 2 courses | Fall - 1 course/Spring - 1 course - year 1 - 2 courses |
| Spring - 2 courses | Fall - 1 course/Spring - 1 course - year 2 - 2 courses |
| Fall - 2 courses | Fall - 1 course/Spring - 1 course - year 3 - 2 courses |
| Spring - 2 courses | Fall - 1 course/Spring - 1 course - year 4 - 2 courses |
| Fall - 2 courses | Fall - 1 course/Spring - 1 course - year 5 - 2 courses |
| Graduation in Fall term (2.5 years) | Graduation in Spring term of year 5 |