# DEGREE PLAN
# MASTER OF SCIENCE IN CIVIL ENGINEERING (Structural Engineering)
# GRADUATE DIVISION – SMU BOBBY B. LYLE SCHOOL OF ENGINEERING

SMU ID #: _____ Name: _____

Home Address: _____ Home Phone: _____

Business Address: _____ Business Phone: _____

E-mail Address: _____ Fax Phone: _____

| Course No. | Title | Instructor | Hrs. | Semester | Grade |
|---|---|---|---|---|---|
| ***Articulation Courses*** *(if required)* | | | | | |
| _____ | _____ | _____ | ____ | _____ | _____ |
| _____ | _____ | _____ | ____ | _____ | _____ |
| ***Core Courses – Structural Engineering (15 Term-credit Hours)*** | | | | | |
| CEE 7340 | Introduction to Solid Mechanics | _____ | 3 | _____ | _____ |
| CEE 7361 | Matrix Struc. Analysis & Intro. to Finite Elements | _____ | 3 | _____ | _____ |
| CEE 7364 | Introduction to Structural Dynamics | _____ | 3 | _____ | _____ |
| CEE 7377 | Advanced Steel Design | _____ | 3 | _____ | _____ |
| CEE 7375 | Advanced Reinforced Concrete | _____ | 3 | _____ | _____ |
| ***Electives (15 Term-credit Hours)*** | | | | | |
| CEE 7373 | Prestressed Concrete | _____ | 3 | _____ | _____ |
| CEE 7385 | Advanced Soil Mechanics | _____ | 3 | _____ | _____ |
| CEE 7386 | Foundation Engineering | _____ | 3 | _____ | _____ |
| CEE 7387 | Geotechnical Earthquake Engineering | _____ | 3 | _____ | _____ |
| CEE 8340 | Theory of Elasticity | _____ | 3 | _____ | _____ |
| CEE 8364 | Finite Elements in Structural & Continuum Mech. | _____ | 3 | _____ | _____ |
| CEE 8366 | Basic Concepts of Structural Stability | _____ | 3 | _____ | _____ |
| CEE 8368 | Theory of Plate Behavior | _____ | 3 | _____ | _____ |
| CEE 7365 | Introduction to Construction Management | _____ | 3 | _____ | _____ |
| CEE 7378 | Transportation Planning and Traffic Engineering | _____ | 3 | _____ | _____ |
| CEE 7379 | Highways Design and Safety | _____ | 3 | _____ | _____ |
| CEE 7(0,1,2,3,6)96 | Thesis | _____ | 6 | _____ | _____ |
| CEE 8365 | Construction Methods and Rehabilitation | _____ | 3 | _____ | _____ |

**TOTAL HOURS (30 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.**