

**DEGREE PLAN**  
**MASTER OF SCIENCE IN CIVIL ENGINEERING**  
**(WITH A MAJOR IN TRANSPORTATION SYSTEMS)**  
**GRADUATE DIVISION – SMU SCHOOL OF ENGINEERING**

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SMU ID #: \_\_\_\_\_ Name: \_\_\_\_\_

Home Address: \_\_\_\_\_ Home Phone: \_\_\_\_\_

Business Address: \_\_\_\_\_ Business Phone: \_\_\_\_\_

E-mail Address: \_\_\_\_\_ Fax Phone: \_\_\_\_\_

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| Course No.                                                          | Title                                             | Instructor | Hrs.  | Semester | Grade |
|---------------------------------------------------------------------|---------------------------------------------------|------------|-------|----------|-------|
| <i>Articulation Courses (if required)</i>                           |                                                   |            |       |          |       |
| _____                                                               | _____                                             | _____      | _____ | _____    | _____ |
| _____                                                               | _____                                             | _____      | _____ | _____    | _____ |
| <b>Core Courses – Structural Engineering (15 Term-credit Hours)</b> |                                                   |            |       |          |       |
| ENCE 7323                                                           | Project Management                                | _____      | 3     | _____    | _____ |
| ENCE 7378                                                           | Transportation Planning and Traffic Engineering   | _____      | 3     | _____    | _____ |
| ENCE 7391                                                           | Special Projects (Topics in Transportation Engr.) | _____      | 3     | _____    | _____ |
| ENCE 8379                                                           | Analysis of Transportation Systems                | _____      | 3     | _____    | _____ |
| EMIS 8360                                                           | Operations Research Models                        | _____      | 3     | _____    | _____ |
| <b>Group I Specialization Electives (9 Term-credit Hours)</b>       |                                                   |            |       |          |       |
| EMIS 7340                                                           | Logistics Systems Engineering                     | _____      | 3     | _____    | _____ |
| EMIS 7370                                                           | Probability and Stat. for Scientists & Engineers  | _____      | 3     | _____    | _____ |
| EMIS 8361                                                           | Economic Decision Analysis                        | _____      | 3     | _____    | _____ |
| EMIS 8371                                                           | Linear Programming                                | _____      | 3     | _____    | _____ |
| STAT 6336                                                           | Statistical Analysis                              | _____      | 3     | _____    | _____ |
| ENCE 8366                                                           | Basic Concepts of Structural Stability            | _____      | 3     | _____    | _____ |
| ENCE 8368                                                           | Theory of Plate Behavior                          | _____      | 3     | _____    | _____ |
| <b>Group II Breadth Electives (6 Term-credit Hours)</b>             |                                                   |            |       |          |       |
| ENCE 7365                                                           | Introduction to Construction Management           | _____      | 3     | _____    | _____ |
| ENCE 7366                                                           | Introduction to Facilities Engineering Systems    | _____      | 3     | _____    | _____ |
| ENCE 7369                                                           | Electrical, Mechanical, and Piping Systems        | _____      | 3     | _____    | _____ |
| ENCE 7372                                                           | Introduction to CAD                               | _____      | 3     | _____    | _____ |
| ENCE 7(0,1,2,3,6)96                                                 | Thesis                                            | _____      | 6     | _____    | _____ |
| ENCE 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.**