

TEXAS SOUTHERN UNIVERSITY

**Curriculum Summary for Master of Science Degree in Transportation
Planning and Management**

- 1. FOUNDATIONS (Core Courses) 15 SCH**
 - TMGT 810: Fundamentals of Transportation (3)
 - TMGT 812: Principles of Transportation Design & Engineering (3)
 - TMGT 815: Computer Applications in Transportation (3)
 - TMGT 823: Economics of Transportation (3)
 - TMGT 830: Urban Transportation Planning (3)

- 2. ELECTIVE COURSES – THESIS OPTION 15-18 SCH**
ELECTIVE COURSES - NON-THESIS OPTION 21 SCH
 - TMGT 820: Transportation Management & Policy (3)
 - TMGT 825: Marine Transport Systems (3)
 - TMGT 840: Quantitative Analysis of Transportation (3)
 - TMGT 842: Transportation Project Implementation (3)
 - TMGT 845: Transportation Systems Analysis (3)
 - TMGT 850: Travel Demand Forecasting & Analysis (3)
 - TMGT 855: Site Traffic Analysis (3)
 - TMGT 860: Transportation Special Lectures (3)
 - TMGT 862: Highway Traffic Operations (3)
 - TMGT 865: Traffic Signal and Signal Controls (3)
 - TMGT 870: Transportation Logistics (3)
 - TMGT 875: Ports and Waterway (3)
 - TMGT 880: ITS Technologies and Applications (3)
 - TMGT 882: Geographical Information Systems for Transportation (3)
 - TMGT 885: Quantitative Assessment of Transportation Environmental Impact (3)
 - TMGT 890: Transportation Seminar (3)
 - TMGT 892: Problems in Transportation (3)

A. PLANNING AND POLICY

TMGT 820 (3)	TMGT 840 (3)	TMGT 842 (3)	TMGT 845 (3)
TMGT 850 (3)	TMGT 855 (3)	TMGT 862 (3)	TMGT 865 (3)
TMGT 880 (3)	TMGT 882 (3)	TMGT 885 (3)	TMGT 890 (3)

B. LOGISTICS AND MANAGEMENT

TMGT 820 (3)	TMGT 825 (3)	TMGT 842 (3)	TMGT 845 (3)
TMGT 860 (3)	TMGT 865 (3)	TMGT 870 (3)	TMGT 875 (3)
TMGT 880 (3)	TMGT 882 (3)	TMGT 885 (3)	TMGT 890 (3)

C. SYSTEMS AND TECHNOLOGY

TMGT 840 (3)	TMGT 842 (3)	TMGT 845 (3)	TMGT 846 (3)
TMGT 850 (3)	TMGT 855 (3)	TMGT 862 (3)	TMGT 865 (3)
TMGT 880 (3)	TMGT 882 (3)	TMGT 885 (3)	TMGT 890 (3)

- 3. INTERGRATIVE COMPONENT - THESIS OPTION 6-9 SCH**
INTERGRATIVE COMPONENT - NON-THESIS OPTION 3 SCH
 - TMGT 895: Internship (3)
 - TMGT 899: Thesis (1-6) (need to be repeated to get 9 SCH)

TOTAL REQUIRED CREDIT HOURS = 39 SCH

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Course Offering Structure for Master of Science Degree in Transportation Planning and Management

Fall Semester

Core Courses (First Year Students)

TMGT 810: Fundamentals of Transportation
TMGT 815: Computer Applications in Transportation
TMGT 823: Economics of Transportation

Elective Courses (Second Year Students)*

TMGT 820: Transportation Management & Policy
TMGT 842: Transportation Project Implementation
TMGT 845: Transportation Systems Analysis
TMGT 862: Highway Traffic Operations
TMGT 870: Transportation Logistics
TMGT 880: ITS Technologies and Applications
TMGT 882: Geographical Information Systems for Transportation
TMGT 885: Quantitative Assessment of Transportation Environmental Impact (3)

Integrative Component (Graduating Students)

TMGT 895: Internship
TMGT 899: Thesis

*Note: Some of elective courses are rotated every 2 years.

Spring Semester

Core Courses (First Year Students)

TMGT 812: Principles of Transportation Design and Engineering
TMGT 815: Computer Applications in Transportation
TMGT 830: Urban Transportation Planning

Elective Courses (Second Year Students)*

TMGT 825: Marine Transport Systems
TMGT 840: Quantitative Analysis of Transportation
TMGT 850: Travel Demand Forecasting & Analysis
TMGT 855: Site Traffic Analysis
TMGT 860: Transportation Special Lectures
TMGT 865: Traffic Signal and Signal Control
TMGT 875: Ports and Waterway
TMGT 890: Transportation Seminar
TMGT 892: Problems in Transportation

Integrative Component (Graduating Students)

TMGT 895: Internship
TMGT 899: Thesis

*Note: Some of elective courses are rotated every 2 years.