

## **CURRICULUM REQUIREMENTS**

The interdisciplinary Master of Science Degree in Transportation (MST) is planned in concert with the collaborative strengths within the University to provide appropriate education, research and practical experiences for graduates of the program. The MST requires completion of thirty-six (36) credit hours. Specifically, core subjects of eighteen (18) .

### **CORE COURSES**

TRP 520 Urban Transportation Policy Development

TRP 525 Transportation Statistics and Research

TRP 530 Transportation Planning

TRP 540 Transportation Economics and Finance

TRP 550 Systems Analysis in Transportation

TRP 560 Public Policy and Administration

TRP 590 Comprehensive Subject-Matter

Examination (Pass or Fail)

### **MODAL SYSTEMS STRAND\***

TRP 630 Transportation Engineering

TRP 631 Highway Traffic Operations

TRP 632 Intelligent Transportation Systems

TRP 633 Transportation, Energy and Air Quality

TRP 634 Hazardous Material Transportation and Risk Management

### **TRANSPORTATION PLANNING STRAND\***

TRP 640 Transportation and Land Use Planning

TRP 641 Application of GIS and GPS

TRP 642 Environmental Transportation Policy

TRP 643 Public Transportation Systems

TRP 644 Rural Transportation Planning

TRP 634 Hazardous Material Transportation and Risk Management

**BUSINESS STRAND\***

TRP 650 Leadership and Management of Transportation Organizations

TRP 651 International Logistics

TRP 652 Transportation Business Law

**INTELLIGENT TRANSPORTATION**

**SYSTEMS STRAND\***

TRP 632 Intelligent Transportation Systems

TRP 660 Introduction to Data Base Design Using Object Oriented Programming

TRP 663 Data Communication and Computer Networking

**CAPSTONE\***

TRP 600 & 601 Transportation Thesis

TRP 601-602 Transportation Thesis\*\*

TRP 603 Transportation Seminar Internship

\* 9 credit hours required

\*\* Continuation of TRP 601