

Transportation and Urban Systems

Department Information

- **Department Chair:**
Tim Peterson, Ph.D.
- **Academic Coordinator:**
Jody Bohn Baldock
- **Email:**
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- **Department Location:**
Upper Great Plains Transportation Institute, QBB 418
- **Department Phone:**
(701) 231-7767
- **Department Web Site:**
www.ndsu.edu/business/programs/graduate/mtus/ (<http://www.ndsu.edu/business/programs/graduate/mtus/>)
- **Application Deadline:**
July 1 for fall semester; December 1 for spring semester; April 1 for summer semester
- **Credential Offered:**
M.S., M.T.U.S., Certificate - All programs offered online only
- **English Proficiency Requirements:**
TOEFL iBT 71; IELTS 6; Duolingo 100

Degree Requirements

Master of Science (M.S.) in Transportation and Urban Systems

A minimum of 30 credits is required for the degree of which 24 must be core courses. All students must take a final examination which covers the course work taken by the candidate, as well as the thesis topic as coordinated with their adviser.

Each thesis must be of sufficient depth and quality to warrant at least six (6) graduate credits. However, no more than 10 credits can be earned for any thesis. Each thesis will contribute one of the following:

- New models – may be achieved through the synthesis of several techniques, the modification of existing models, or new applications of analytical techniques to transportation/urban problems.
- Knowledge – may be accomplished through the collection and analysis of original data or the development of innovative planning techniques.

Master of Transportation and Urban Systems (MTUS)

The MTUS is a non-thesis degree. All 30 credits must be completed using the nine core courses below, and one elective course that can be any other TL course.

Certificate in Transportation and Urban Systems

The certificate in Transportation and Urban Systems will consist of a minimum of 9 credits selected from the core courses below.

Code	Title	Credits
Core Courses		
TL 751	Transportation Cyber-Physical Security	3
TL 752	Transportation Planning and Environmental Compliance	3
TL 753	Transportation System Modeling	3
TL 754	Urban Transportation Systems Analysis	3
TL 755	Context Sensitive Solutions	3
TL 756	Transportation and Land Use Integration	3
TL 757	Intelligent Transportation Solutions	3
TL 786	Public Transportation	3
TL 787	Public Transportation II	3
TL 789	Leadership, Ethics, and Academic Conduct in Transportation	3

Thesis (M.S. only)

6-10

TL 798

Master's Thesis