

# Transportation and Urban Systems

---

## Department Information

- **Department Chair:**  
Tim Peterson, Ph.D.
- **Academic Coordinator:**  
Jody Bohn Baldock
- **Email:**  
jody.bohn.baldock@ndsu.edu
- **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/) (<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

---

## 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.

Code	Title	Credits
<b>Core Courses</b>		
TL 751	Supply Chain Transport 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	City Logistics	3
TL 756	Transportation and Land Use Integration	3
TL 757	Technologies for Supply Chain Transport Solutions	3
TL 786	Public Transportation	3
TL 787	Transportation and Distribution	3
TL 789	Managerial Leadership for Supply Chain Professionals	3
<b>Thesis (M.S. only)</b>		<b>6-10</b>
TL 798	Master's Thesis	

---

## 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.

Code	Title	Credits
<b>Core Courses</b>		
TL 751	Supply Chain Transport Security	3
TL 752	Transportation Planning and Environmental Compliance	3
TL 754	Urban Transportation Systems Analysis	3
TL 755	City Logistics	3
TL 756	Transportation and Land Use Integration	3
TL 757	Technologies for Supply Chain Transport Solutions	3
TL 786	Public Transportation	3
TL 787	Transportation and Distribution	3
TL 789	Managerial Leadership for Supply Chain Professionals	3
<b>Elective</b>		<b>3</b>
Any 700 or 800 level TL course not listed above may be taken as an elective.		
<b>Total Credits</b>		<b>30</b>

## 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
Choose a minimum of 9 credits from the following:		
TL 751	Supply Chain Transport 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	City Logistics	3
TL 756	Transportation and Land Use Integration	3
TL 786	Public Transportation	3
TL 787	Transportation and Distribution	3
TL 789	Managerial Leadership for Supply Chain Professionals	3
<b>Total Credits</b>		<b>9</b>