

# Transportation and Urban Systems

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## Department Information

- **Department Chair:**  
Tim Peterson, Ph.D.
- **Academic Coordinator:**  
Jody Bohn Baldock
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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/) (<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

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## Program Description

The Department of Transportation, Logistics, and Finance offers an online master's degree and an online graduate certificate in Transportation and Urban Systems. The degree/certificate is awarded through the College of Business in collaboration with the Upper Great Plains Transportation Institute to provide high-quality graduate programs for students. The program's interdisciplinary approach attracts students with backgrounds in transportation and logistics, agribusiness, applied economics, civil engineering, construction management, emergency management, finance, geosciences, industrial/manufacturing engineering, and supply chain management.

The program options described below focus on: (1) urban transportation systems; (2) relationships between transportation, land use, environment, emergency response, and logistical delivery systems; (3) coordinated planning, operations, and security; and (4) the spatial dimensions of urban systems. The curriculum is built around the topics of public transportation systems, geographic information systems, freight transportation and logistical delivery systems, urban geography and land use, the environmental impacts of transportation systems, transportation cyber-physical security, and the sustainability of transportation and urban systems.

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

The M.S. degree **requires a thesis** and is targeted at students with strong research interests.

### Master of Transportation and Urban Systems (MTUS)

This **non-thesis degree** is primarily intended for professional planners and engineers. Students enrolled in the MTUS program have more opportunities for synthesis of practice and additional course work, with less emphasis on research.

### Certificate in Transportation and Urban Systems

This program is primarily targeted at practicing professionals who are unable to study in residency, but who wish to gain additional knowledge in the emerging fields of transportation and urban systems.