

Managerial Logistics

Program and Application Information

Program Director:	Dr. Denver Tolliver
Department Chair:	Joseph Szmerekovsky
Academic Coordinator:	Jody Bohn Baldock
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Department Location:	Upper Great Plains Transportation Institute
Department Phone:	(701) 231-7767
Department Web Site:	www.ndsu.edu/business/departments/tl/
Application Deadline:	July 1 for fall semester; December 1 for spring semester
Degrees Offered:	M.M.L. - PROGRAM ONLINE ONLY
English Proficiency Requirements:	TOEFL iBT 71; IELTS 6

Program Description

The Department of Transportation and Logistics offers a Master's degree in Managerial Logistics (TL). The degree is awarded through the College of Business, which collaborates with the Upper Great Plains Transportation Institute to provide high quality graduate programs for students. The program takes an interdisciplinary approach to transportation and logistics and attracts students with a multitude of backgrounds. The online Master of Managerial Logistics program targets aspiring logisticians, industry professionals, military officers and DOD civilians who want to meet the logistical challenges of the 21st century. A wide range of career opportunities exists in the logistics industry: logistics and supply chain management, operations management, purchasing and demand management, emergency management, consulting, retail, and many more.

Core Competencies

The uniqueness of the NDSU Master of Managerial Logistics program is reflected in its core competencies which are a direct derivative of the National Logistics Curriculum and private industry needs. The core competencies define a framework for expected outcomes and curricula. The core competencies are:

- Supply chain management in the military and private sector
- Extending advanced supply chain planning across the enterprise
- Global supply chain management and the design of international logistics systems
- Change management in a turbulent global environment
- Enterprise resource planning within a global context
- Remote sensing and adaptive logistics planning
- Joint total asset management, logistics, and security through innovative technologies such as RFID, remote sensing, and asset tracking
- Transportation analysis and planning for logistics
- Crisis analysis and rapid logistical response
- Logistics support for homeland security
- Transportation systems security analysis and threats

Admission Requirements

The Master of Managerial Logistics is an online professional graduate degree consisting of 35 credits of coursework and is open to qualified graduates of universities and colleges of recognized standing. To be admitted with full standing, the applicant must:

1. Hold a baccalaureate degree from an educational institution of recognized learning with a minimum grade point average (GPA) of 3.0 or equivalent. For those with GPAs of 2.99 or less, the applicant must also submit a GMAT/GRE score to be considered for acceptance.
2. Have shown the potential to undertake advanced study as evidenced by prior academic performance and has stated interest in logistics.
3. Submission of official transcripts
4. Submit a two-page resume
5. Submit a one-page "Letter of Intent" outlying your reasons for pursuing the Master of Managerial Logistics degree
6. Submit three letters of recommendation
7. Submit applications directly to the NDSU Graduate School via the online application process.

8. International applicants whose first language is not English and who do not possess a U.S. bachelor's degree or higher are subject to additional requirements when they apply for admission to the Master of Managerial Logistics program. They must meet the minimum requirements on measures of general English language proficiency. The accepted measures of language proficiency are the TOEFL ibT 71 and IELTS 6.

Students who do not meet all requirements for admission or have deficiencies in prerequisite course work, but show satisfactory potential for graduate study, may be admitted conditionally. The conditional status may be changed to full graduate standing after the first or second semester of study, based on the student's academic performance.

Apply for Admission

To apply for admission, please visit the Admission Information page (<https://bulletin.ndsu.edu/graduate/admission-information>).

The Master of Managerial Logistics degree is an online degree and does not require a thesis. A minimum of 35 credits is required for the Master of Managerial Logistics. All 35 credits must be completed using approved courses numbered from 700-789, and 790. Students will participate in a capstone experience, culminating all course material, applications, and research skills together in the Case Studies in Logistics course. An overall GPA of 3.0 or higher must be maintained.

Master of Managerial Logistics courses consist of the following:

Code	Title	Credits
Core Courses		
		≥ 35 credits
TL 711	Logistics Systems	4
TL 715	Introduction to ERP	3
TL 719	Crisis Analysis and Homeland Security	3
TL 721	International Logistics Management	4
TL 723	Advanced Supply-Chain Planning Across the Enterprise	3
TL 725	ERP Configuration	3
TL 727	Organizational Change Management	3
TL 729	Adaptive Planning in Logistics Systems	3
TL 731	Logistics Decision Analysis	3
TL 733	Case Studies in Logistics	3
TL 751	Transportation Systems Security	3

Sample plan of study (Note: Plan of study can be adjusted if transfer credits are accepted.)

First Year					
Fall	Credits	Spring	Credits	Summer	Credits
TL 711	4	TL 719	3	TL 729	3
TL 751	3	TL 723	3	TL 731	3
	7		6		6
Second Year					
Fall	Credits	Spring	Credits	Summer	Credits
TL 725	3	TL 715	3	TL 727	3
File Plan of Study		TL 721	4	TL 733	3
	3		7		6

Total Credits: 35

Access Fees

Access fees support adjunct teaching, teaching assistants, instructor training, course development and improvements, professional membership fees for students within the Master of Managerial Logistics degree, student attendance at conferences, software and equipment, and other student initiated activities. A \$350 per credit per semester access fee is assessed to students taking any of the classes listed above.

Financial aid can be used to pay for access fees. Access fees are designed to reduce out-of-pocket expenses for students and allow us to enhance our program to provide a high-quality education for students.

Raj Bridgelall, Ph.D.

North Dakota State University, 2015

Research Interests: Big Data Analytics, Internet-of-Things (IoT), Cloud Computing; Connected and Autonomous Vehicles (CAV), Shared Mobility, Intelligent Transportation Solutions; Signal processing and mathematical modeling of transportation systems; Remote Sensing with Unmanned Aircraft Systems; Hyperspectral Image Analysis; Radio-frequency identification (RFID); Real-time locating systems (RTLS); Energy Harvesting and massive scale autonomous wireless sensor networks

Department: Transportation and Logistics

Alan Dybing, Ph.D.

North Dakota State University, 2013

Research Interests: Asset management, Energy impacts, Freight transportation, Agricultural transportation, Supply chain management, Transportation economics, Spatial analysis, Transportation systems modeling

Department: Transportation and Logistics

Ranjit Godavarthy, Ph.D.

Kansas State University, 2012

Research Interests: Public transportation in small urban and rural areas, Demand response transit and paratransit research, Bike share research, Roundabouts research, Traffic engineering and operations, Transportation and highway safety

Department: Transportation and Logistics

Jill Hough, Ph.D.

University of California-Davis, 2007

Research Interests: Public transportation in rural and small urban locations, Workforce development, Mobility of the aging, Transportation planning and policy, Intelligent transportation systems

Department: Transportation and Logistics

Michal Jaroszynski, Ph.D.

Florida State University, 2014

Research Interests: Socioeconomic impacts of transportation investments and policies; Travel demand modeling; Transportation funding, finance, and equity; Multimodal transportation systems

Department: Transportation and Logistics

Pan Lu, Ph.D.

North Dakota State University, 2011

Research Interests: Transportation infrastructure management, Freight rail transportation, Multi-mode transportation efficiency, GIS application in transportation, Operations research in transportation, Commercial truck safety, Railway transportation safety, Data mining application in transportation, Transportation resiliency analysis

Department: Transportation and Logistics

Jeremy Mattson, Ph.D.

North Dakota State University, 2017

Research Interests: Public transportation, Transportation economics, Demand modeling, Travel behavior, Built environment

Department: Transportation and Logistics

Diomo Motuba, Ph.D.

North Dakota State University, 2009

Research Interests: Transportation and land use planning, Freight modeling, Transportation economics, Connected automated vehicles, Logistics and supply chain management, Transportation safety

Department: Transportation and Logistics

Joseph Szmerekovsky, Ph.D.

Case Western Reserve University, 2003

Research Interests: Project management and scheduling, Supply chain management and technology, Energy supply chain management, Healthcare logistics

Department: Transportation and Logistics

Denver Tolliver, Ph.D.

Virginia Polytechnic Institute and State University, 1989

Research Interests: Highway systems modeling, Multimodal transportation planning, Freight transportation, Energy and environmental analysis

Department: Transportation and Logistics

Kimberly Vachal, Ph.D.

George Mason University, 2005

Research Interests: Human factors in traffic safety, Healthy community transport, Agricultural and biofuels transportation, CMV safety & security, Containerized and identity preserved grain marketing, Regional economic development

Department: Transportation and Logistics