

Managerial Logistics

Department Information

- **Program Coordinator:**
Denver Tolliver, Ph.D.
- **Department Chair:**
Joseph Szmerekovsky, Ph.D.
- **Academic Coordinator:**
Jody Bohn Baldock
- **Email:**
jody.bohn.baldock@ndsu.edu
- **Department Location:**
Upper Great Plains Transportation Institute, Quentin Burdick Building 448
- **Department Phone:**
(701) 231-7767
- **Department Web Site:**
<https://www.ndsu.edu/business/departments/tlf/>
- **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, Logistics and Finance offers a Master's degree in Managerial Logistics (MML). The degree 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 takes an interdisciplinary approach to transportation and logistics and attracts students with a multitude of backgrounds. The online MML 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 sectors of the logistics industry, including logistics and supply chain management, operations management, purchasing and demand management, emergency management, consulting, retail, and many more.

Core Competencies

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

- 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 program 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. Submit 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 online application through the NDSU Graduate School website
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. 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>).

Degree Requirements

The Master of Managerial Logistics (MML) is an online graduate program and is a non-thesis degree. A minimum of 35 credits is required for the MML. All 35 credits must be completed using the core Transportation & Logistics courses. 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.

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 735	Practical Data Analytics	3

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. Access fees support adjunct teaching, teaching assistants, instructor training, and course development and improvements. The fees also support students with professional membership fees, attendance at conferences, software and equipment, and other student-initiated activities.

A \$350 per credit access fee is assessed to students taking any of the classes listed above. Financial aid can be used to pay for access fees.

Faculty

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

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

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

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

Pan Lu, Ph.D.

North Dakota State University, 2011

Research Interests: Connected and autonomous vehicles, Smart material and structure health monitoring, Big data analytics for transportation, Smart transportation, Transportation system, Asset management, Multimodal transportation, Geospatial transportation modeling

Jeremy Mattson, Ph.D.

North Dakota State University, 2017

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

Duomo 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

Joseph Szmerkovsky, Ph.D.

Case Western Reserve University, 2003

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

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