Managerial Logistics

Program and Application Information

Program Director: Dr. Denver Tolliver
Assistant to the Director of Educational Programs: Jody Bohn Baldock
Email: jody.bohn.baldock@ndsu.edu
Department Location: Upper Great Plains Transportation Institute
Department Phone: (701) 231-7938
Department Web Site: www.ndsu.edu/transportation/mml/
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

Changing global environments poses great challenges for civilian and military logisticians alike. Response operations require huge amounts of material and personnel delivered in precise quantities and with precise timing. A key to meeting these challenges is a joint interdisciplinary approach to logistics.

The online Master of Managerial Logistics program targets inspiring logisticians, industry professionals, military officers and DOD civilians who want to meet the transportation challenges of the 21st century. A wide range of career opportunities exists in the transportation industry: logistics and supply chain management, operations management, purchasing and demand management, emergency management, consulting, retail and many more.

An advanced degree in logistics will help you stand out above others when you begin your career or advance your career in industry. The Master of Managerial Logistics degree at NDSU will enhance your knowledge, skills, and opportunities for a successful career in transportation. Advance your education and become a leader who sets the industry pace.

Admission Requirements

The Managerial Logistics master’s program is open to qualified graduates of universities and colleges of recognized standing. Students must meet the Graduate School admission requirements.

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.

The MML is an interdisciplinary program. Master of Managerial Logistics courses consist of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>TL 711</td>
<td>Logistics Systems</td>
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<tr>
<td>TL 715</td>
<td>Introduction to ERP</td>
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<tr>
<td>TL 719</td>
<td>Crisis Analysis and Homeland Security</td>
<td>3</td>
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<tr>
<td>TL 721</td>
<td>International Logistics Management</td>
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<tr>
<td>TL 723</td>
<td>Advanced Supply-Chain Planning Across the Enterprise</td>
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<td>TL 725</td>
<td>ERP Configuration</td>
<td>3</td>
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<tr>
<td>TL 727</td>
<td>Organizational Change Management</td>
<td>3</td>
</tr>
<tr>
<td>TL 729</td>
<td>Adaptive Planning in Logistics Systems</td>
<td>3</td>
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<tr>
<td>TL 731</td>
<td>Logistics Decision Analysis</td>
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<tr>
<td>TL 733</td>
<td>Case Studies in Logistics</td>
<td>3</td>
</tr>
<tr>
<td>TL 751</td>
<td>Transportation Systems Security</td>
<td>3</td>
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Sample plan of study (Note: Plan of study can be adjusted if transfer credits are accepted.)

<table>
<thead>
<tr>
<th>First Year</th>
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<tbody>
<tr>
<td>Fall</td>
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<td>TL 711</td>
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Managerial Logistics

<table>
<thead>
<tr>
<th>Course</th>
<th>Second Year Credits</th>
<th>Spring Credits</th>
<th>Summer Credits</th>
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<tr>
<td>TL 751</td>
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</table>

Total Credits: 35

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