

Managerial Logistics

www.ndsu.edu/transportation/mml/

Program Director: Dr. Denver Tolliver
Assistant to the Director of Educational Programs: Jody Bohn (Jody.Bohn@ndsu.edu)
Program Location: Upper Great Plains Transportation Inst.
Telephone Number: (701) 231-7938
Degree Offered: M.M.L.
Application Deadline: July 1 for Fall semester
 December 1 for Spring semester
English Proficiency TOEFL ibT 71
Requirements: IELTS 6

Program Description

Changing global environments pose 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. The creative component is the 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:

Courses

The MML is an interdisciplinary program. All candidates are expected to take the same courses in proper sequence. The courses are shown in Table 1.

Table 1. Courses in MML Degree Program

TL 711	Logistics Systems	4
TL 715	Enterprise Resource Planning	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	Technology Advances and Logistics	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 credit are accepted.)

	Fall Credits	Spring Credits	First Year Summer Credits
TL 711	4 TL 719	3 TL 729	3
TL 751	3 TL 723	3 TL 731	3
	7	6	6
	Fall Credits	Spring Credits	Second Year 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

Magdy Abdelrahman, Ph.D.

University of Illinois-Urbana, 1996
 Research Interests: Characterization of Modified Asphalt Binders and Mixes; Pavement Maintenance and Rehabilitation Techniques; Performance-Related Specifications for Pavement Materials; Quality Control and Quality Assurance in Pavement Construction
 Department: Civil Engineering

Canan Bilen-Green, Ph.D.

University of Wyoming, 1998
 Research Interests: vQuality and Reliability Engineering, Design and Auditing of Quality and Productivity Monitoring Systems, Statistical Modeling and Applications, Applied Operations Research
 Department: Industrial and Manufacturing Engineering

John Bitzan, Ph.D.

University of Wisconsin-Milwaukee, 1997
 Research Interests: Transportation Economics
 Department: Management, Marketing and Finance

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: Upper Great Plains Transportation Institute

Robert Hearne, Ph.D.

University of Minnesota, 1995
 Research Interests: Natural Resource and Environmental Economics
 Department: Agribusiness and Applied Economics

Siew Hoon Lim, Ph.D.

University of Georgia, 2005
Research Interests: Production Economics, Transportation, Industrial Organization
Department: Agribusiness and Applied Economics

Jill Hough, Ph.D.

University of California-Davis, 2007
Research Interests: Public Transportation, Travel Behavior, Built Environment, Accessibility and Mobility of Seniors
Department: Upper Great Plains Transportation Institute

Won Koo, Ph.D.

Iowa State University, 1974
Research Interests: International Trade
Department: Agribusiness and Applied Economics

Brenda Lantz, Ph.D.

Pennsylvania State University, 2006
Research Interests: Commercial vehicle safety systems and analysis, supply chain, intelligent transportation systems for commercial vehicle operations, and statistical modeling and diagnostics.
Department: Upper Great Plains Transportation Institute

EunSu Lee, Ph.D.

North Dakota State University, 2011
Research Interests: Transportation systems modeling, informatics, spatial analysis, logistics, supply chain management, Industrial engineering
Department: Upper Great Plains Transportation Institute

Pan Lu, Ph.D.

North Dakota State University, 2011
Research Interests: Asset Management, Freight Transportation, Statistical Modeling and Applications, Multi-Modal Transportation, Applied Operation Research
Department: Upper Great Plains Transportation Institute

Wesley Marshall, Ph.D.

University of Connecticut, 2009
Research Interests: Road Safety, Active Transportation, Transit, Street Networks, Transportation Planning and Land Use Modeling, Parking, Sustainability, Livability, and Resiliency
Department: University of Colorado Denver, Department of Civil Engineering

Subhro Mitra, Ph.D., P.E.

North Dakota State University, 2007
Research Interests: Freight Travel Demand modeling, Urban Travel Demand Modeling, Asset Management and Life-Cycle Cost Study Optimizing Logistics Network, Economic Appraisal of Infrastructure Investment
Department: University of North Texas at Dallas, Business School

Diomo Motuba, Ph.D.

North Dakota State University, 2009
Research Interests: Transportation Economics, Transportation Systems Modeling, Freight Transportation, Econometrics, Logistics, Supply Chain Management
Department: Upper Great Plains Transportation Institute

Peter O'Dour, Ph.D.

University of Missouri-Rolla, 2004
Research Interests: GIS, Groundwater contamination, Remote sensing

Department: Geosciences

Richard J. Porter, Ph.D.

Pennsylvania State University, 2007
Research Interests: Road Safety, Highway and Street Design, Project Development, Risk and Reliability Analysis, Traffic Operations
Department: University of Utah, Department of Civil & Environmental Engineering

Joseph Szmerekovsky, Ph.D.

Case Western Reserve University, 2003
Research Interests: Project management and scheduling, Complex systems and flexible manufacturing and using linear and nonlinear dynamic and integer programming and network flows
Department: Management, Marketing and Finance

Denver D. Tolliver, Ph.D.

Virginia Polytechnic University, 1989
Research Interests: Transportation Systems Planning, Freight Transportation, Economic Analysis
Department: Upper Great Plains Transportation Institute

Rodney D. Traub, Ph.D.

Purdue University, 1994
Field: Operations Management
Department: Management, Marketing, and Finance

Kim Vachal, Ph.D.

George Mason University, 2005
Research Interests: Policy, Economics, Regional Development
Department: Upper Great Plains Transportation Institute

Amiy Varma, Ph.D.

Purdue University, 1993
Research Interests: Transportation Systems and Planning, Traffic Engineering, Airports, and Infrastructure Management
Department: Civil Engineering

Nadim Wehbe, Ph.D.

University of Nevada, Reno, 1997
Research Interests: Reinforced and Prestressed Concrete Structures, Bridge Engineering, Earthquake-Resistant Bridges, Advanced Composites
Department: South Dakota State University, Department of Civil and Environmental Engineering

David L. Wells, Ph.D.

University of Missouri-Rolla, 1996
Research Interests: International Studies in Manufacturing Technology, Strategic Management, Economic Development Strategies
Department: Industrial and Manufacturing Engineering

William W. Wilson, Ph.D.

University of Manitoba, 1980
Research Interests: Commodity Marketing, Agribusiness, Industrial Organization
Department: Agribusiness and Applied Economics

Frank Yazdani, Ph.D., PE

University of New Mexico, 1987
Research Interests: Structural Engineering/Mechanics, Constitutive Modeling of Materials, Damage Mechanics, Plasticity, Computational Plasticity, Finite Elements, Concrete and Masonry Materials
Department: Civil Engineering