Program of Study: Business Info & Technology

NNTW
National Network for the
Transportation Workforce

Year 5-6

🎓 Master's of Science in Management Information Systems

Year 6: Students choose electives from their chosen concentration and also complete either their Master's project or Master's thesis.

Year 5: During the first year, students take core courses. They also choose a concentration for their studies, within which they choose from a selection of concentration courses.

Typical Core Courses
Advanced Database Management
Advanced Systems Analysis and Design
MIS Project Management
Information Systems Design
Business Information Security
Data Warehousing

Concentration Courses
Human Information Processing
Technology Commercialization
Organizational Change & Development
Foundations of Entrepreneurship
Survey of Management
International Business Policy
Survey of Marketing

Year 3-4

🎓 Bachelor's Degree in Business Information and Technology

Year 4: Students take senior-level courses and fulfill internship and field-work requirements. Programs not requiring an internship recommended engaging a career exploration counselor to find an internship.

Year 3: Students take specialized courses that address programming development, introductory information technology, effective communication and critical thinking tools, and global business environment.

GE Courses
Calculus 2 / 3
Intro to Linear Algebra
Social Sciences Synthesis
Humanities & Synthesis

BIT Core Courses
Applied Program Development
Systems Analysis Methods
Database/Information Management
Enterprise Architecture
Strategic IT Project Management
Strategy/Management/Acquisition

Elective Courses
Global Information Technology
Mobile Application Development
Global Outsourcing/Technology
Project Management Tools and leadership
Fundamental/Software Testing
Web Site Development
Application Program Development

Year 1-2

✴ Associate's Degree / Pursuing Bachelor's Degree

Year 2: Students should continue to complete their GE courses and begin taking lower-division requirement courses. Pre-requisite courses provide students with a basic understanding of theoretical and practical skills.

Year 1: Students are required to take general education courses, but it is also recommended they work to fulfill their degree prerequisite requirements.

GE Courses
Analytical Reading, Expository Writing
Critical Thinking
Oral Communication
Psychology
Political Science
Sociology

Computer Technology -Related Courses
Intro to Computer Networking
Programming and Logic
Network Security

Lower-Division / Major Prerequisites
Algebra II
Pre-Calculus / Calculus I
Intro to Computer Programming
Intro to Linux
Introductory Statistics

Year 0

🎓 High School Diploma

Transportation-related career academies.

U.S. Department of Transportation
Federal Highway Administration