SUPPLY CHAIN MANAGEMENT EMPHASIS

With domestic and international supply chains growing in size, businesses and organizations must have a global understanding of how proper and efficient purchasing distribution can meet customer demands and keep costs low. Tomorrow’s competitive market does not pit enterprise against enterprise, but rather supply chain against supply chain.

Through the Supply Chain Management Emphasis within the IT Concentration, students gain an understanding of supply chain operations, processes and information flows that optimize activities and costs. This includes recent technology developments like blockchain, internet of things (IoT) and artificial intelligence (AI). This intersection of business, operations and innovation prepares graduates to be integral parts of supply chain management or engineering teams, ready for fascinating career paths in a booming field.

Coursework emphasizes problem solving, system thinking and development of accurate supply chain management assessments.
COURSES IN SUPPLY CHAIN MANAGEMENT EMPHASIS

MAJOR COURSES (All required for Supply Chain Emphasis)
ITP 303 Lean Six Sigma Green Belt
ITP 371: Supply Chain Management in Manufacturing and Services
ITP 406: Industrial Sales
ITP 411: Packaging Sustainability
ITP 415: Advanced Supply Chain and Logistics
ITP 461/62: Senior Project*

IT CONCENTRATION COURSES (All Required)
ITP 260: Manufacturing Processes and Materials
ITP 390: Industrial Automation
ITP 403: Lean and Quality Systems Management [SCM Emphasis]
ITP 410: Operations Planning and Control [SCM Emphasis]
ITP 428: Commercialization of New Technologies
ITP 467: Applied Business Operations [SCM Emphasis]

ELECTIVE COURSES (Select four)
BUS 215: Managerial Accounting
BUS 304: International Supply Chains
BUS 310: Introduction to Entrepreneurship
BUS 313: Customer Development
BUS 389: Introduction to Business Negotiation for Entrepreneurship
ITP 414: Packaging Laws and Regulations
ITP 475: Packaging Performance Testing

*Students can analyze or develop a supply chain for their senior project.

CAREER OUTLOOK
As a supply chain specialist you can work in almost any industry. You may work directly for electronic systems manufacturers, petrochemical corporations, materials processors, large construction contractors, large industrial product consumers or wholesale distributors. Job titles and employers include:

Position Titles:  Companies:
Buyer or Purchasing Agent  Tesla Inc.
Operations Manager  Lockheed Martin
Logistics Analyst  Amazon
Logistics Manager  Texas Instruments
Supply Chain Manager  Apple
Purchasing Manager  FedEx
Transportation Manager  Oracle Corp.

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