Program Benefits

Upon completing this program, you will know how to:

• Evaluate the extended value chain
• Understand how to improve the flows of material and information in the extended value chain
• Assess where to keep inventory in the value chain and how to manage the inventory
• Evaluate global sourcing opportunities using a total logistics cost model
• Understand the bullwhip effect and causes of variability in the value chain and how to eliminate it using better information sharing
• Understand how to implement a world-class warehousing system
• Learn the role of third party logistics providers and the benefits and risks of using them
• Understand how to apply lean principles in your warehouse operations.
• Assess the role and benefits of ERP, CRM and other information systems
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Program Components

Monday
* Introduction to Lean Logistics and Supply Chain Management
* Lean Simulation
* Introduction to Inventory Management in the Supply Chain

Tuesday
* Inventory Management in the Supply Chain
* Inventory Management Distribution Simulation
* Managing Global Supply Chains

Wednesday
* Partnering with Suppliers and Customers for a More Efficient Supply Chain/Logistics System

Thursday
* Understanding the Role of Third Party Logistics Providers
* Gemba Walk and Tour of Local Warehouse

Friday
* Picking Accuracy
* Receiving and Put-away Functions
* Basic Review of Storage/Retrieval Equipment
* Inventory Accuracy in the Warehouse
* Head Home with an Action Plan for Monday

Exclusive Facility Tour
This program includes a “Gemba Walk” of a local warehouse to see actual processes, understand the work, and ask questions.

Program Details

Certificate
A non-credit certificate of completion from the University of Michigan College of Engineering will be awarded upon successfully completing the program.

How to Register*
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2015 Course Date
April 20–24
Ann Arbor, Michigan

Degrees of Success
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About Michigan Engineering and Integrative Systems + Design

The University of Michigan’s College of Engineering was founded in 1853. Today, Michigan Engineering and its academic departments rank in the top ten in their respective areas (U.S. News and World Report). The faculty’s ongoing research and industry consultation in engineering contribute to Michigan’s strength and impact on professional development. Michigan Engineering’s research expenditures for fiscal 2014 totaled $271.9 million, placing it in the forefront of collegiate engineering research in the U.S.

Integrative Systems + Design (ISD) (formerly known as Interdisciplinary Professional Programs), a division of Michigan Engineering, offers credit courses to students on campus and at locations around the world. Recognized as a global leader in online education in addition to offering on-campus programs, ISD provides lifelong learning to technical professionals, and has served more than 100,000 with intensive short courses, conferences, professional certifications, and online advanced degree and certification programs.

ISD responds to the needs of industry, healthcare, government, the military, and non-profit organizations with specialized education programs.

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