



# Achieving End-to-End Supply Chain Excellence



## DURATION

5 weeks



## TIME COMMITMENT

About an hour per day



## Enroll Your Team



## CERTIFICATION

Penn State Certificate of Completion



## TARGET AUDIENCE

Supply Chain Professionals at all levels

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## About this Program

The world's leading supply chains find new ways to create value for customers while also driving bottom line improvements. These advantages come as managers develop deep understanding of interconnections and interdependencies that drive effectiveness across end-to-end supply chains. These interconnections and interdependencies increase as supply chains evolve to serve more customers across more channels, and as supply chain ecosystems expand with more suppliers to improve reach and resiliency.

They also are installing new technologies to improve supply chain transparency and responsiveness. Driving success in these major initiatives requires leaders to gain a holistic view of the supply chain, develop strategic mindsets, collaborate across functions, and modify processes to manage new information flows within and beyond the company.

## Outcomes:

- ✔ Shift mindsets to see the supply chain not as a group of functions in a linear chain but as a strategic entity operating within an ecosystem that includes customers, suppliers and partners.
- ✔ Evaluate the importance of building strong relationships with suppliers
- ✔ Learn to anticipate how decisions will impact activities up and down the supply chain
- ✔ Understand how globalization, new technologies, omni channel strategies, sustainability and other factors are forcing supply chains to evolve.
- ✔ Explore how cross-functional processes such as Sales and Operations Planning (S&OP) improve supply chain performance
- ✔ Review innovations that are reshaping manufacturing capabilities

# Program Structure

ACHIEVING END-TO-END SUPPLY CHAIN EXCELLENCE

## WEEK ONE

### Finding Opportunities in Your End-to-End Supply Chain

- Review factors that are driving change across supply chains
- Evaluate 7 principles of good supply chain management
- Compare your supply chain performance against Gartner's Top 25

## WEEK TWO

### Improving Procurement Practices

- Participate in a simulated challenge related to shortages in raw ingredients and packaging materials
- Evaluate 10 ways to reduce procurement spend
- Learn principles for selecting suppliers

## WEEK THREE

### Competitive Implications of Demand Planning

- Learn about the changing role and financial implications of inventory management
- Estimate the cost of stock out to discover the importance of effective planning
- Review the impacts of carrying costs for holding inventory

## WEEK FOUR

### Manufacturing as a Strategic Value

- Read about ways that Industry 4.0 is revolutionizing manufacturing
- Explore game-changing technologies that are shaping the future of manufacturing
- Learn 5 building blocks of cyber-physical value chains

## WEEK FIVE

### Critical Decisions in Logistics Management

- Make decisions based on a simulation of supply chain disruptions
- Determine ways that transportation strategies might help your company reach new markets
- Explore technologies that are impacting warehouse management

# About the Experts

ACHIEVING END-TO-END SUPPLY CHAIN EXCELLENCE



**Chris Craighead**

Dove Professor, Haslam College of Business at the University of Tennessee, and Affiliate Faculty in Supply Chain Management at Penn State University



**C. John Langly Jr.**

Clinical Professor of Supply Chain Management in the Smeal College of Business at Penn State University



**Chris Norek**

Senior Partner, Chain Connectors, Inc. and Affiliated Faculty Member in Supply Chain Management, Penn State University



**Steve Tracey**

Executive Director, Center for Supply Chain Research® and Penn State Executive Programs, Penn State University

Created in Partnership with:



**It truly opens people's eyes up to what's happening in the organization. As a result, people start making better decisions because they have a better idea of how the organization operates.**

*Brad Sorenson, Senior Vice President, Manufacturing and Supply Chain, Boston Scientific*



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