

Supply Chain & Operations

The Department of Supply Chain and Operations was recently rated the top research program in the nation. This program trains scholars to conduct theoretically-grounded, methodologically-rigorous research that addresses relevant problems facing operations and supply chain managers within and across organizations that are embedded in global supply chains. The success of this program stems from its globally-recognized and widely-cited faculty. The program provides a uniquely rigorous and rewarding experience for students that prepare them for a successful research-driven academic career in PhD-granting business schools. For more information about this program visit: z.umn.edu/CarlsonPhDSCO



Supply Chain & Operations
PhD Coordinator

Kevin Linderman

*Professor and Curtis L. Carlson
Professor in Supply Chain and
Operations
PhD, Case Western Reserve
University*

Areas of interest:

Six Sigma, quality management,
knowledge management, process
improvement, process control,
operations management

Curriculum & Courses

Students in the SCO PhD Program are required to take all seven SCO PhD seminars (21 credits) during their first two years, and an additional set of elective/supporting courses during or beyond the first two years, to reach the required minimum of 40 course credits.

SCO PhD Seminars Offered:

SCO 8651: Experimental Design

SCO 8652: Regression Analysis

SCO 8711: Research in Operations Strategy

SCO 8721: Management of Technological Operations

SCO 8735: Supply Chain Management

SCO 8745: Research in Quality Management

SCO 8755: Behavioral Operations

*Other SCO course offerings are available in partnership with departments throughout the University of Minnesota.

**Curriculum may be revised at the discretion of the SCO department faculty.

Admissions Statistics (Fall 2017)

27

Applications



2

Admissions
Offers

2

Acceptances

14

Program size

31

Average age
in program

1400

Average GRE
(before August 2011)

321

Average GRE
(after August 2011)

690 Average GMAT

Supply Chain & Operations Faculty

Karen Donohue

*Professor, Board of Overseers Professorship
PhD, Northwestern University*

Areas of Interest: Supply chain coordination, impact of competition in outsourcing decisions, behavioral issues in supply chain management

Arthur V. Hill

*Professor, John and Nancy Lindahl Professorship for Excellence in Business Education
PhD, Purdue University*

Areas of Interest: Operations management, process improvement, lean thinking, supply chain management, production and inventory management, international operations management

Ximin (Natalie) Huang

*Assistant Professor
PhD, Georgia Institute of Technology*

Areas of Interest: Sustainable operations, environmental legislation, product recovery strategies and economics, supply chain management

William Li

*Professor, Eric Jing Professor for Business Teaching and Research
PhD, University of Waterloo*

Areas of Interest: Robust design, optimal design, quality engineering, computer design, supersaturated design, data mining, choice experiments

Kevin Linderman

*Professor and Curtis L. Carlson Professor in Supply Chain and Operations
PhD, Case Western Reserve University*

Areas of Interest: Six Sigma, quality management, knowledge management, process improvement, process control, operations management

Mili Mehotra

*Assistant Professor
PhD, University of Texas, Dallas*

Areas of Interest: Supply chain management, discrete models in operations management: in particular service operations, production planning and logistics

Susan Meyer Goldstein

*Associate Professor
PhD, The Ohio State University*

Areas of interest: Service design, service process management, health care management and quality

Christopher Nachtsheim

*Professor, Frank A. Donaldson Chair in Operations Management
PhD, University of Minnesota*

Areas of Interest: Experimental design, regression and analysis of variance



Karthik V. Natarajan

*Assistant Professor
PhD, University of North Carolina, Chapel Hill*

Areas of Interest: Humanitarian operations, inventory management, operations/finance interface

Rachna Shah

*Associate Professor
PhD, The Ohio State University*

Areas of Interest: Interactions between lean production systems and strategic and behavioral variables, lean services, impact of information technology on supply chain management, empirical research methods and their impact on operations management research

Kingshuk K. Sinha

*Department Chair, Supply Chain and Operations,
Professor and Mosaic Company Professor of Corporate Responsibility
PhD, University of Texas, Austin*

Areas of Interest: Digital technology operations, high technology operations, strategic evaluation of operations, supply chain management technologies, technology project management, complementarities in operations, health care supply chain management