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: carlsonschool.umn.edu/phd-ba/supply-chain-operations

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 2014)

- 35 Applications
- 4 Admissions Offers
- 2 Acceptances
- 11 Program size
- 33 Average age in program
- 1400 Average GRE (before August 2011)
- 318 Average GRE (after August 2011)
- 693 Average GMAT
Supply Chain & Operations Faculty

Norman L. Chervany  
Professor of Information & Decision Sciences  
(Joint appointment with IDSc and Supply Chain & Operation)  
DBA, Indiana University  
**Areas of Interest:** Role of trust in management and use of information technology, effects of information technology on work and organizational design, management of technology-based change, management of the information services function

Karen Donohue  
Associate Professor  
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

William Li  
Professor  
PhD, University of Waterloo  
**Areas of Interest:** Robust design, optimal design, quality engineering, computer design, supersaturated design, data mining, choice experiments

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

Enno Siemsen  
Associate Professor  
PhD, University of North Carolina, Chapel Hill  
**Areas of Interest:** Process improvement, knowledge management, incentive theory, research methods

Kingshuk K. Sinha  
Chair of Supply Chain and Operations Department, 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