

# SUPPLY CHAIN AND OPERATIONS MANAGEMENT

## PHD IN SCOM

Supply Chain and Operations Management (SCOM) involves the study of management concerns related to the design, decision-making, and implementation of operating systems. Although manufacturing and supply-chain systems receive primary emphasis, other areas of study include operating systems to provide services or information. In recent *U.S. News & World Report* rankings of business schools, the production/operations area at the Daniels School consistently ranks in the top 5 among business schools.

The PhD program takes an analytical, operations-research, model-oriented approach with coursework that includes rigorous classes in economics, operations research, and industrial engineering. Doctoral students develop teaching skills under faculty guidance. Before graduation, every student is given the opportunity to demonstrate their teaching ability.

PhD students also enjoy an affiliation with the Global Supply Chain Management Initiative, whose programs provide intellectual and financial resources to support Supply Chain and Operations Management. The program of study is designed to achieve two goals: First, to help each student develop into a first-class researcher; second, to help each student develop skills in teaching and gain experience in teaching operations management.

## FACULTY RESEARCH AREAS

- Business ethics
- Data-integrated modeling
- Global supply chains
- Inventory and procurement management
- Process flexibility
- Product proliferation management
- Stochastic modeling
- Supply chain contract and negotiation
- Game theory
- Nonlinear optimization
- Statistical machine learning
- Data-driven decision making
- Healthcare delivery and payment systems
- Supply chain and service operations
- Pricing and revenue management

Visit our [website](#) to learn more about faculty research.

## FUNDING OPPORTUNITIES

Daniels School of Business PhD students will have their tuition paid for five years beginning year 1, conditional on satisfactory progress in the program. In addition to the standard funding package, each department can supplement a student's funding at its discretion.

### Standard Funding Package

- Tuition remission
- \$25,000 minimum stipend per year
- Partial medical, dental, and vision insurance coverage for the student and dependent(s)
- Professional development grants for use toward conference attendance, research, and related travel

For more information, please contact an  
[admissions specialist](#).

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## PROGRAM REQUIREMENTS

- Complete 90 credit hours
- Serve as teaching or research assistant
- Complete a 1st year paper
- Write and defend dissertation
- Pass preliminary examination

## CURRICULUM

38 credit hours – core methodology  
17 credit hours – managerial skills (waived based on equivalent master’s-level courses)  
6 credit hours – seminar courses

Visit our [website](#) to explore additional program details.

## PLACEMENT

Supply Chain and Operations Management graduates have gone on to secure research-focused faculty and industry positions at the following institutions/organizations:

- Amazon
- Butler University
- Carnegie Mellon University
- Dartmouth College
- George Mason University
- HKU Business School
- Miami University
- National Taiwan University
- Texas Instruments
- University of Arizona
- University of Calgary
- University of Notre Dame
- University of Southern California
- University of Texas at Arlington
- University of Washington