An Introduction to the MSU Doctoral Program

Operations and Sourcing Management
Agenda

Why Pursue A PhD?

Why Choose Michigan State University?

Program Requirement and Path

Application information

Useful Links
Why Pursue A PhD?

Over a longer horizon, chance to shape future thinking, minds and thought leaders.

Be on leading edge of the discipline and work on the problems that you feel passionate about.

A flexible career with high earnings potential, work-life balance and superior job security.

Avoid the corporate rat race.

Fun! Do the research and teaching you enjoy.
Why Choose MSU?

- A heritage of supply chain excellence.
- Strong industry ties and real-world knowledge.
- Integrated curriculum structure with an opportunity to be a true supply chain professional.
- Research excellence
- Rigorous program with a holistic educational experience.
- And much more!
Heritage of Supply Chain Excellence

Michigan State University
East Lansing, MI

#1 in Supply Chain Management / Logistics
#24 in Business Programs (tie)

Consistently ranked in Top 10 program in Production and Operations Management

No 1. Ranked for 10 straight Years in US News in Supply Chain Management/Logistics
Michigan State is King of Supply Chain Talent

Kevin O’Marah, CONTRIBUTOR
I cover supply chain management, technology, and global trade FULL BIO

Opinions expressed by Forbes Contributors are their own.

A newly released global ranking of the top schools for supply chain talent - the SCM World University 100 - finds a big gap between Michigan State at #1 and traditional rival Penn State at #2. The methodology involves only asking supply chain practitioners to select their top three universities “as a marker of supply chain talent”, and as such makes no attempt to judge course content, instructor quality or even whether formal degree programs are offered.

It does however provide a strong picture of which degrees are sought after by employers.

Sparty Stands Alone

It’s no big surprise to see Michigan State atop this list. The university has been at the forefront of professionalizing supply chain for a long time and has always produced work-ready graduates in volume. What is noteworthy however are both the margin of dominance and the breadth of Michigan State’s fan base.

Using a simple scoring rule that awarded three points for a top selection, two points for a second place selection and one point for third, MSU racked up 1,149 total points. Penn State scored 736 and the University of Tennessee ranked third overall with 671. Rounding out the top five were MIT (641) and Arizona State (464).
Supply Chain Universities as Markers of Talent

In terms of universities/business schools as markers of supply chain talent, please select your top three from the dropdown list.

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Source: SCM World Future of Supply Chain Survey 2016

Top 20 Universities

Universities/business schools as markers of supply chain talent

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<th>SCORE</th>
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</table>

Source: SCM World Future of Supply Chain Survey 2015

*3 points for #1 rank, 2 for #2, 1 for #3
n=719

% of respondents, n=1,094
Program Structure

Logistics Management

Sourcing Management

Operations Management

An Integrative Program Structure that Stands out from the Competition
Why MSU? A Strong Research Pedigree

• Faculty undertake meaningful work that **impacts practice and society**

• Group of highly motivated and internationally recognized **leaders in knowledge generation** and research

  https://broad.msu.edu/phd/operations-sourcing-management/faculty/

  • Editor-in-chief positions – Decision Sciences Journal and IJOPM.
  
  • Co-department Editors in Journal of Operations Management
  
  • Department Editor in IEEE Transactions of Engineering Management

• Senior Editorship and Associate Editorship for most of the faculty in leading journals such as Management Science, Production and Operations Management, Journal of Operations Management, Decision Sciences, and Journal of Business Logistics, among several others

• **Low student to faculty ratio**
Research Pre-eminence

Rankings by Empirically-Focused Journals

This SCM Journal List ranking is based on output in journals that are primarily empirically-focused (Decision Sciences Journal, Journal of Business Logistics, Journal of Operations Management, and Journal of Supply Chain Management).

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No 1 in Empirical Rankings in SCM Journal List
Domain Experts in a Broad Spectrum of SCM Domains

Behavioral Operations
Cyber Security
Healthcare Management
Inventory Management
Lean, Process Improvement, and Productivity
Product/Process Development
Purchasing/Sourcing strategies, Buyer-supplier relationships
Risk Management
R&D and Technology Management
Social Responsibility
Supply Chain Design
Supply Chain Innovation
(Product, process and Administrative Innovations)
Supply Networks
Supply Chain Management
Sustainability, inclusion and equity
Supply Networks
Transportation
Wide Range of Methodological Expertise

Behavioral experiments
Dynamic programming
Econometric modeling
Game theory
Qualitative and survey-based methods
Range of deterministic and stochastic modeling skills
Simulation modeling
Holistic Perspective on Education

Exposure and opportunities to **teach**

**Mentoring** on holistic supply chain ideas covering Logistics, Purchasing and Operations – MSU is known for its integrative view of SCM

High quality internationally recognized teachers and scholars

The broader Broad College and university infrastructure that allows you to thrive and learn from a **cross-departmental** group of colleagues

Chance to be a part of a Big-ten, AAU university

**Networking** opportunities with other “budding” top scholars that comes with the part of a top-tier AACSB accredited program
Student Perspective

Application Criteria

Competitive Selection Process

Important to have a strong research orientation;
  GRE or GMAT 90th Percentile in Verbal and Quantitative

Exceptional academic track record in Graduate and Undergraduate programs

We prefer Masters degree, but must have four-year undergraduate degree

Softer skills: Resilience, innovation, curiosity, and having the passion to succeed in a competitive setting
Student Perspective
What to Expect in the Program

All admitted students are assured funding for the first four years

Teaching and Research Assistantship Opportunities

RA assignment made annually by program DPC’s (in conjunction with dept chair) for years 1 & 2 – Considers student interest

Guidance Committee plays a role in student’s courses
Student Perspective

Program Path

• 4-5 years in the program depending on individual progress
  • 2-2.5 years of coursework
• First year paper, second year paper
• Comprehensive exam after core & methods course completion, and second year paper completion
  • DPC writes the exam, with questions solicited from faculty
  • Two faculty grade each question
• PhD student selects their Dissertation Chair
  • Remaining members (4 regular faculty from MSU comprise a committee) selected by PhD student & in conjunction with Chair
Customize your Educational Experience

A **wide range of courses** across the university to help build skills
student chooses to do to help in their research domain

Your PGC will play a role in helping you navigate the process

**Approachable** faculty

One-on-one **mentoring** focus

Opportunity to **network** with a world-wide alumni group
Outstanding Alumni in Editorial Positions

Long-standing PhD History

A rich tradition of graduating successful scholars:
SUNY Buffalo, Seoul National University, IE Business School (Spain), Portland State, Rutgers, Boise State, Loyola University, Arizona State University, University of South Carolina, Michigan State University, University College Dublin

For more information:
https://broad.msu.edu/phd/operations-sourcing-management/
Timeline for Application

Application portal is open now since mid-august.

https://grad.msu.edu/apply/

Deadline: For 2022 TBD

For additional information, please reach out to Erin Johnson @ johnsone@broad.msu.edu
Contacts

On admissions process, you can email

For program questions
Sriram Narayanan: Narayanan@broad.msu.edu (Director, PhD Program)

For process questions
Erin Johnson: johnsone@broad.msu.edu (Academic Program Coordinator)

We also encourage you reach out to faculty if you have specific interest on research that they are working on.
Important Links for use

• Program and College
  – Broad School: https://broad.msu.edu
  – OSM Phd Program: https://broad.msu.edu/phd/operations-sourcing-management/
  – Faculty and areas of research - https://broad.msu.edu/phd/operations-sourcing-management/research-areas/

• Application Links
  – Application Portal: https://admissions.msu.edu/gradportal/
  – TOEFL: Institution code: 1465
  – TOEFL – www.ets.org/toefl/cv-update
East Lansing as a Location

• Cost of Living

• Crime Rates

• Other positive aspects with respect to location in East Lansing

• Great Schooling district.
Thank you

Questions?