



**SPARTANS WILL.**

# An Introduction to the Michigan State University Doctoral Program

**Operations and Sourcing Management Program**

# Agenda

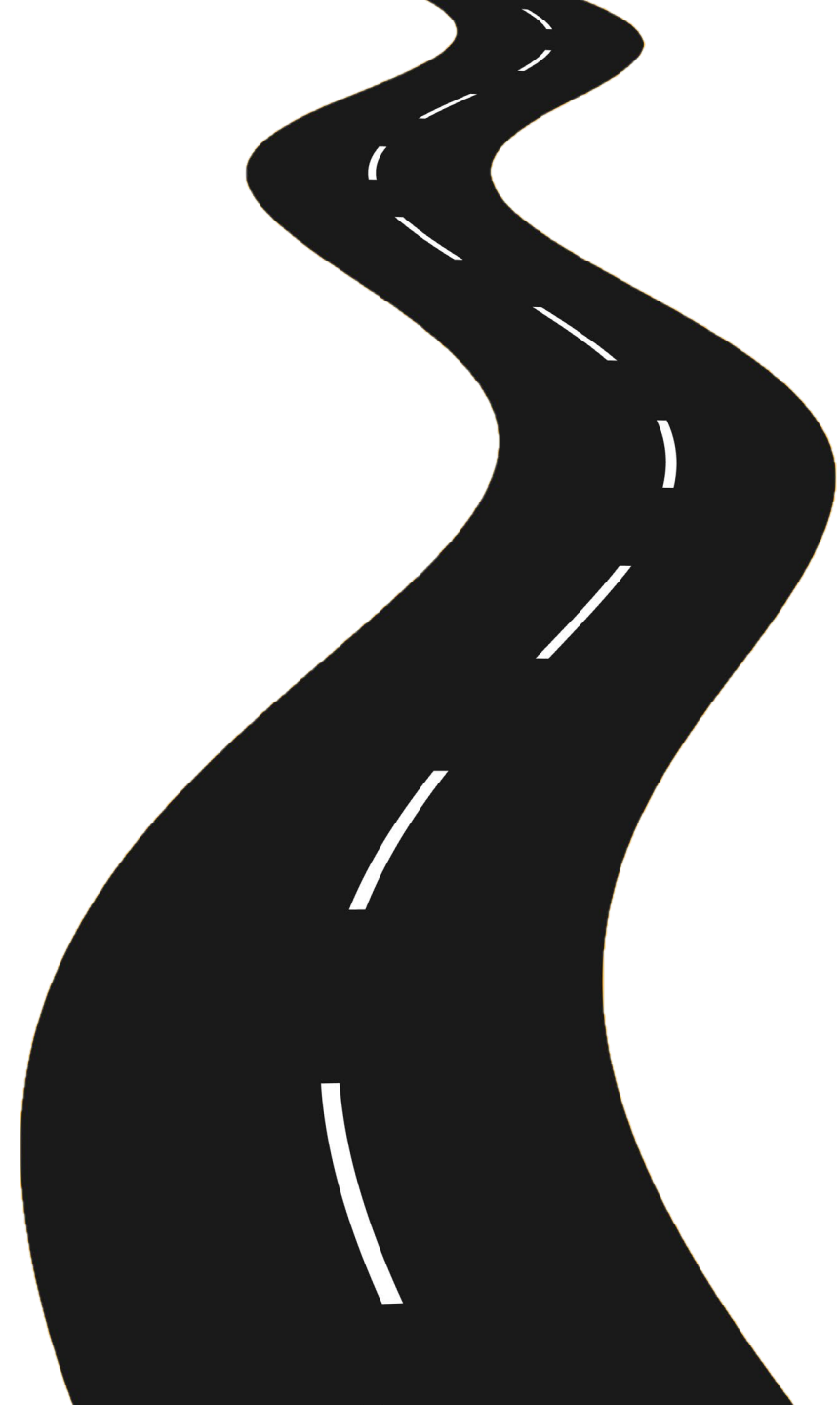
Why Pursue A PhD?

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.

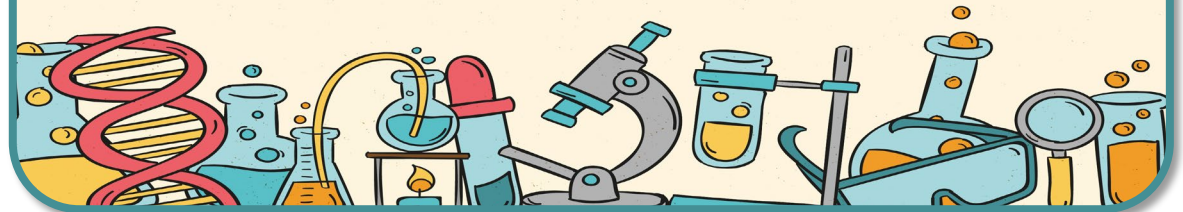
Fun! Do the research and teaching you enjoy.

# Why Choose MSU ?

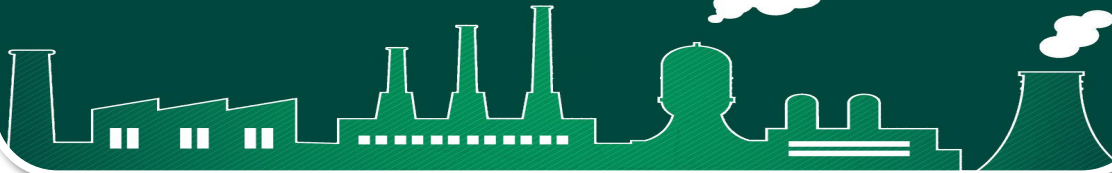


A heritage of supply chain excellence.

Research excellence



Strong industry ties and real-world knowledge".



Rigorous program with a holistic educational experience.



Integrated curriculum structure with an opportunity to be a **true** supply chain professional.



And much more!



# Heritage of Supply Chain Excellence

[View all 25 photos](#)



## Michigan State University

East Lansing, MI

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

★★★★★ 7 user reviews ⓘ

Michigan State University was the first land-grant institution in the country and became a model for similar schools. Michigan State is also home to one of the

[READ MORE »](#)

No 1. Ranked for 10 straight Years in US News in Supply Chain Management/Logistics

Consistently ranked in Top 10 program in Production and Operations Management

[View all 25 photos](#)



## Michigan State University

East Lansing, MI

 **#9 in Production / Operation Management (tie)**  
#24 in Business Programs (tie)

★★★★★ 7 user reviews ⓘ

Michigan State University was the first land-grant institution in the country and became a model for similar schools. Michigan State is also home to one of the

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☐ Add To Compare

# Industry Recognition

## 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.

### **Spartan 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

#	University	Top 1	Top 2	Top 3	Total	Score
1	 Michigan State University	99	154	83	336	688
2	 Western Michigan University	118	32	10	160	428
3	 Massachusetts Institute of Technology	44	52	49	145	285
4	 Penn State University	29	65	62	156	279
5	 Arizona State University	29	65	52	146	269
6	 Western Washington University	78	9	10	97	262
7	 University of Tennessee	49	38	21	108	244
8	 University of Michigan	48	29	33	110	235
9	 Georgia Institute of Technology	25	20	19	64	134
10	 University of Wisconsin-Madison	27	7	13	47	108
11	 Cranfield School of Management	22	18	6	46	108
12	 Harvard Business School	15	20	17	52	102
13	 Vlerick Business School	31	4	0	35	101
14	 Rutgers Business School	22	11	8	41	96
15	 Marquette University	19	11	11	41	90
16	 INSEAD	9	16	15	40	74
17	 Zaragoza Logistics Center	17	7	6	30	71
18	 Texas Christian University	18	5	4	27	68
19	 Texas A&M University	10	14	9	33	67
20	 Stanford University	8	16	10	34	66
21	 Copenhagen Business School	17	4	4	25	63
22	 The Ohio State University	7	11	17	35	60
23	 Purdue University	3	15	15	33	54
24	 Eindhoven University of Technology	6	9	3	18	39
25	 North Carolina State University	5	7	7	19	36

Source: SCM World Future of Supply Chain Survey 2015

% of respondents,  
n=1,094

## Top 20 Universities

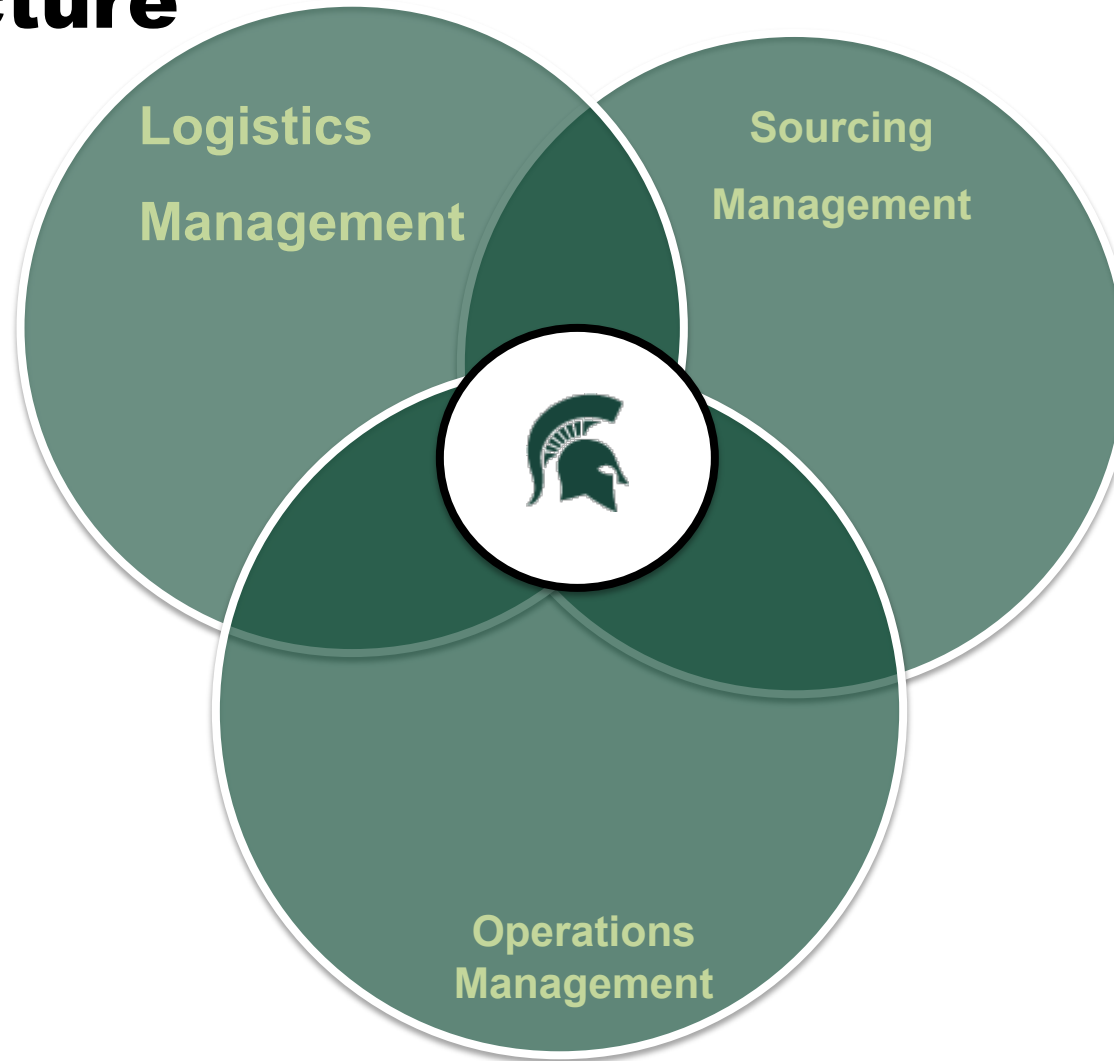
Universities/business schools as markers of supply chain talent

RANK	UNIVERSITY	SCORE*	TOTAL VOTES
1	Michigan State University	340	148
2	Massachusetts Institute of Technology	311	138
3	Penn State University	224	112
4	Harvard Business School	175	81
5	Arizona State University	153	71
6	Cranfield School of Management	130	61
7	Stanford University	118	61
8	Georgia Institute of Technology	106	50
= 9	Cambridge University	92	45
= 9	INSEAD	92	41
11	University of Tennessee	88	43
12	University of Michigan	48	25
13	Indian Institute of Management	47	20
= 14	The Ohio State University	46	22
= 14	Bocconi University	46	20
16	Purdue University	43	21
17	IMD	41	20
18	Eindhoven University of Technology	40	21
19	London Business School	39	22
20	University of Wisconsin-Madison	35	14

Source: SCM World Future of Supply Chain survey 2015

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

# Program Structure



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

Like 195

Tweet

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*).

Rank	School	Score
1	Michigan State University	22.10
2	Arizona State University	20.17
3	The Ohio State University	19.81
4	University of Tennessee	12.98
5	University of Arkansas	11.61
6	WHU - Otto Beisheim School of Management	10.58
7	Iowa State University	9.42
8	Texas Christian University	8.71
9	Texas A&M University	7.88
10	Auburn University	7.50

No 1 in Empirical  
Rankings in SCM  
Journal List



MICHIGAN STATE UNIVERSITY

# 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

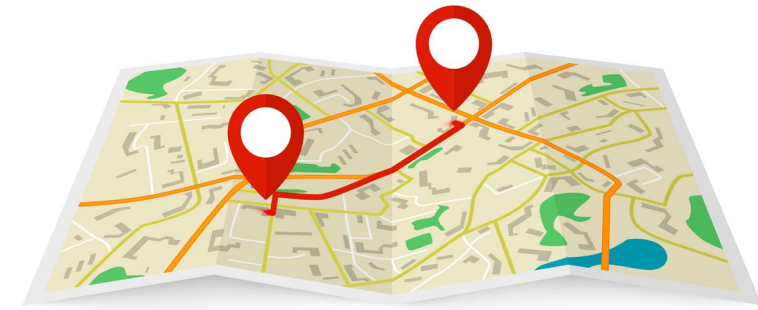
We prefer Masters degree, but must have four-year undergraduate degree

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.  
Our funding is comparable to other top schools.

### Teaching and Research Assistantship Opportunities

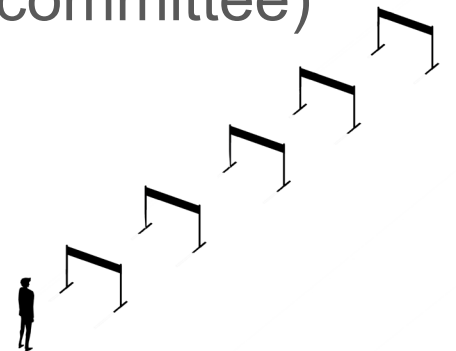
RA assignment made annually by program DPC's (in conjunction with dept chair) for years 1 & 2 – Considers student interest

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



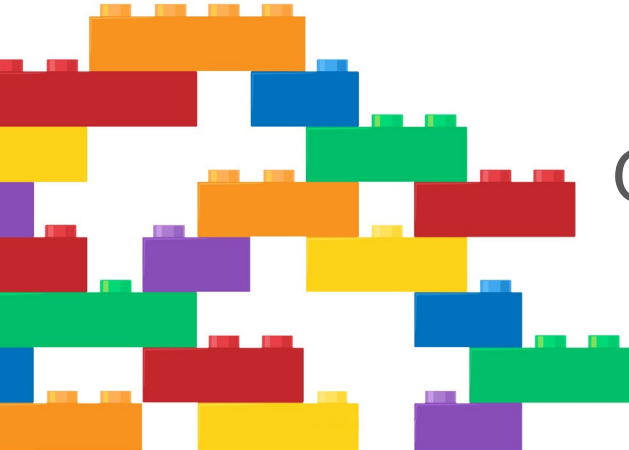
A **wide range of courses** across the university to help build skills student chooses to do to help in their research domain

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



# Long-standing PhD History

## Outstanding Alumni in Editorial Positions

A rich tradition of **graduating successful scholars:**

Auburn University, Iowa State University, 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, Utah State University

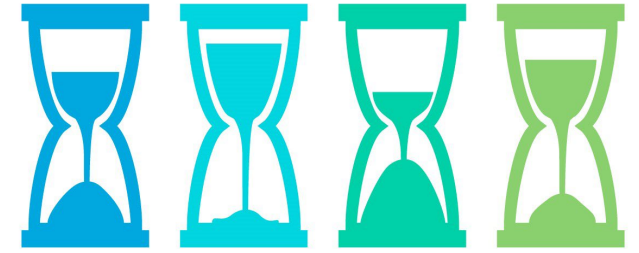
For more information:

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





# Timeline for Application

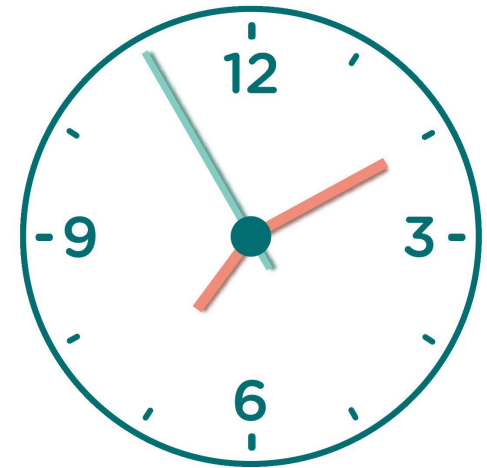


Application portal is open now since mid-august.

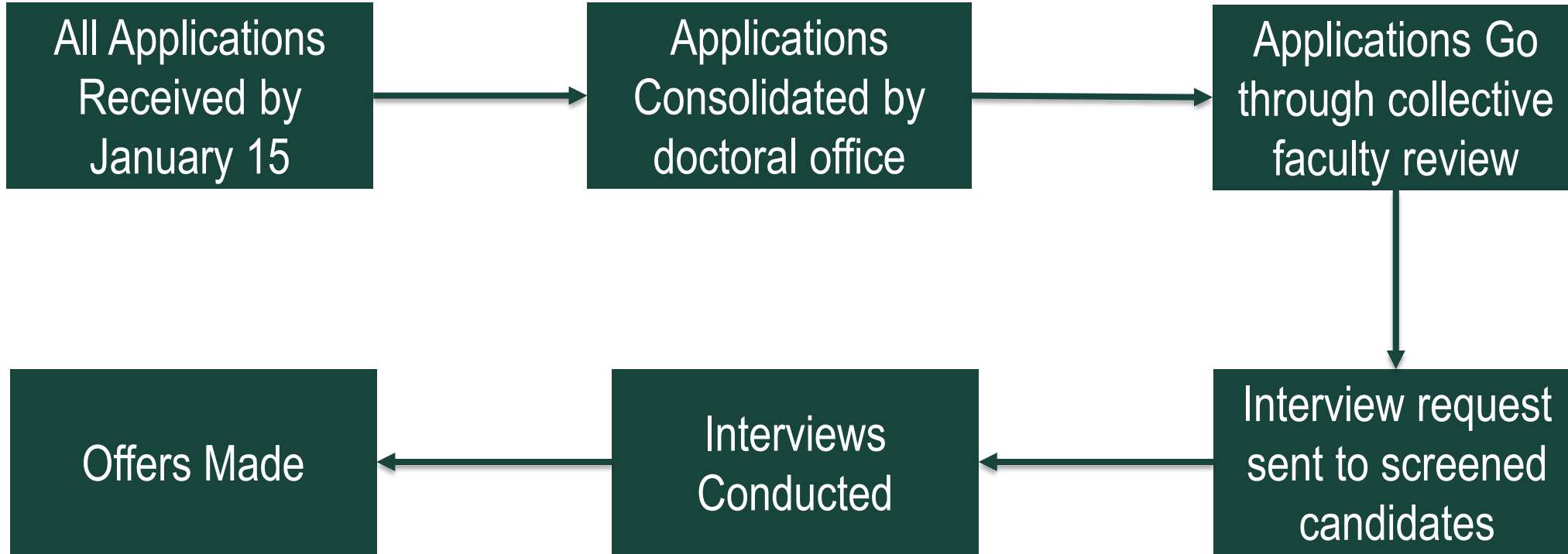
<https://grad.msu.edu/apply/>

Deadline: January 15

For additional information, please reach out to  
Erin Johnson @ [johnsone@broad.msu.edu](mailto:johnsone@broad.msu.edu)



# Application Review Process



Please note: Late applications will not be considered  
Dates indicated are only approximate. Schedules may vary depending on year

# Contacts

On admissions process, you can email

For program questions

Adrian Choo: [chooadri@broad.msu.edu](mailto:chooadri@broad.msu.edu) (Director, PhD Program)

For process questions

Erin Johnson: [johnsone@broad.msu.edu](mailto: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.

Please look at the FAQ on [Ph.D. in Operations and Sourcing Management – Eli Broad College of Business | Michigan State University \(msu.edu\)](#)



# 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/>
  - GRE: Institution code: 1465 (<https://www.ets.org/gre>)
  - TOEFL: Institution code: 1465
  - GMAT: Institution code: QH0-5P-02 (<https://www.gmac.com/gmat-other-assessments/about-the-gmat-exam/the-gmat-advantage>)
  - TOEFL – [www.ets.org/toefl/cv-update](https://www.ets.org/toefl/cv-update)
  - GRE – [www.ets.org/gre/cv-update](https://www.ets.org/gre/cv-update)



# Thank you



# Questions ?

WHO WILL MAKE  
BUSINESS HAPPEN?  
**SPARTANS WILL.**