Doctoral Degree Programs Darla Moore School of Business
University of South Carolina

Operations Management Ph.D.

The objective of the Ph.D. program in Operations Management at the Darla Moore School of Business is to prepare doctoral candidates for academic careers at major research universities. The program aims to mentor Ph.D. students and enhance their research abilities, preparing them for noteworthy academic careers.

Our Program

Students generally take two full years of coursework, each following a customized course progression to account for research interests and program requirements.

Our program has an empirical emphasis, as evidenced by required courses in statistics, structural equation modeling, econometrics and seminars in the sub-areas of management science. The Center for Global Supply Chain and Process Management provides opportunities to work closely with Fortune 500 companies on supply chain improvement projects. The chart below illustrates a sample path for a Ph.D. student.

	Fall	Spring	Summer
Year 1	• MGSC 792: Advanced Statistics for Business and Economics • MGSC 894: Advanced Topics in Operations Management • MKTG 853: Analytical Techniques for Marketing Decision Making • Electives	• MGSC 892: Experimental Research Methods • MKTG 854: Latent Variable Estimation Techniques • MGSC Seminar • Electives	• Qualifier exam
Year 2	• STAT 517: Computing in Statistics • STAT 518: Nonparametric Statistical Methods • MGMT 872: Management Research Methodology • MGSC Seminar	• MGSC Seminar • Electives	• Comprehensive Exam
Year 3	• Research	• Research	• Research • Teach one undergraduate class
Year 4	• Research • Proposal	• Defend Dissertation	• Dissertation proposal and defense

Admission

All application materials must be received by **December 15**. To qualify for additional university merit-based funding, early application is encouraged. To provide our students with the best opportunity to reach these goals, the Management Science Ph.D. program typically limits admission to two students each year.

Potential students are assessed based on a combination of GMAT or GRE test scores, grade point averages obtained during undergraduate and other graduate study, recommendation letters, work experience and TOEFL scores (in the case of non-native speakers of English).

Because strength in one area can compensate for weakness in another, no minimum scores are established for any of the admissions criteria. However, competitive applicants usually have GMAT scores 650 or above, grade point averages of at least 3.0 for their undergraduate coursework and TOEFL scores of 100 or above (internet based test).

Contact Information

For further information about the program, contact:

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www.moore.sc.edu/phd.management.science

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Darla Moore School of Business

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Our Faculty

The research interests of the Moore School's 15 tenure-line faculty members are listed below. In general, we are an active research group with a continuing stream of publications and an editorial board presence in top-tier management science journals.

Sanjay Ahire, Professor: Empirical evaluation of operations improvement strategies, practical application of operations improvement techniques, application of operations strategy and supply chain management principles to OM academics

Yan Dong, Associate Professor: Supply chain management, logistics management, service operations, operations-marketing interface, global supply chain management, incentive contracts, sustainability and empirical operations management.

Joan M. Donohue, Associate Professor: Stochastic processes, simulation and mathematical programming, experimental design

Mark Ferguson, Professor: Supply chain management, including supply chain design for sustainable operations, contracts that improve supply chain efficiency, pricing and revenue management, management of perishable products

Kirk D. Fiedler, Associate Professor: End user computing management, computer mediated technologies, group decision making

Timothy D. Fry, Professor: Production scheduling, inventory management, optimization production technology, shop floor control

Michael Galbreth, Associate Professor: Remanufacturing and closed-loop supply chains, information systems and operations, supply chain management

Sean Handley, Associate Professor: Outsourcing, offshoring, buyer-supplier relationships, inter-organizational quality management, sourcing healthcare information systems

Jayanth Jayaram, Professor: Supply chain management, new product development, strategic purchasing, service operations, environmentally conscious manufacturing

Pelin Pekgun, Assistant Professor: Applications of operations research and management science in pricing and revenue management, supply chain management, centralized/decentralized decision making, health and humanitarian logistics

Olga Perdikaki, Assistant Professor: Retail operations, supply chain management, operations-marketing interface

Carolyn Queenan, Assistant Professor: Service operations, technology-enabled healthcare operations, globalization of service operations and revenue management

Luv Sharma, Assistant Professor: Healthcare Operations, management of technology, knowledge management and organizational learning issues, business analytics

Keith Skowronski, Assistant Professor: Global supply chain management, outsourcing, buyer-supplier relationships, operations strategy

Sriram Venkataraman, Assistant Professor: Healthcare operations, econometrics, survey-based research

Joel Wooten, Assistant Professor: Innovation tournaments, entrepreneurship, econometrics

Columbia, S.C.

Columbia offers a desirable quality of life, with diverse cultural and recreational opportunities and a low cost of living. The state capital, Columbia is two hours from some of the U.S.'s best beaches and two hours from the mountains. The Columbia area has ample affordable housing near campus and in nearby communities. The climate is warm in the summer and mild in the winter, with distinct seasonal changes. Most outdoor activities can be pursued year-round. Students who have children have found Columbia to be a very welcoming and nurturing location.

Costs And Stipends

Ph.D. students receive a nationally competitive stipend, a 100% tuition supplement and a 100% medical insurance subsidy. The cost of living in the Columbia area is relatively low.

Recent Placements

In recent years, we have placed graduates at University of Notre Dame, The Ohio State University, Eastern Michigan University, Salisbury University, Florida State University, Ohio University, University of Texas, San Antonio and Cleveland State University.

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