

Operations & Supply Chain Management Curriculum

The OSM specialization is designed for students interested in pursuing research in areas such as supply chain management, operations strategy, advanced manufacturing technology, algorithm development, project management, quality management, and scheduling who also possess strong quantitative or statistical skills. Our department provides a rigorous and intellectually stimulating, yet friendly, atmosphere for the pursuit of doctoral research.

Prerequisites

There are two approaches to research in the doctoral program in Operations & Supply Chain Management: empirical research and quantitative modeling. Applicants interested in empirical research should have a mastery of statistical methods, while applicants interested in quantitative modeling should have a strong background in quantitative methods, i.e., applied probability, statistics, and operations research. Applicants with degrees in business, economics, mathematics, engineering, and related fields are encouraged to apply.

Students who do not have a business degree need to take the following preparatory courses:

ACT 501	Financial Accounting
FIN 501	Financial Management
MKT 501	Marketing Theory and Practice
MLR 511	Organizational Behavior

DBA Core Courses

- Multivariate Statistical Methods
- Applied Multivariate Statistical Analysis
- Business Research: Analysis and Applications
- Seminar on Business Teaching Methods

Operations & Supply Chain Management Core Courses

- Theory of Optimization in Production and Operations
- Current Topic Professional Seminar
- Supply Chain Models
- Quality Control
- Strategic Supply Chain Management
- Scheduling
- Flexible Manufacturing Systems
- Operations Strategy
- Project Management
- Doctoral Research in Production/Operations Management
- Dissertation Research Seminar
- Current Problems in Production/Operations Management

Dissertation Research

- Dissertation

*The above represents a sample curriculum for this specialization.
Adjustments are at the discretion of the department that supervises this subject area.
For further information on requirements, please see the Graduate Catalog at <http://catalog.csuohio.edu/>
or call the DBA Program at 216.687.3786*

