

Operations & Supply Chain Management Minor

(open to all non-business and business majors)

- Do you have the drive to lead operational improvements in business?
- Do you have the vision to build efficient, agile, sustainable supply chains?
- Do you seek to deliver exceptional value to customers and shareholders?

The **Operations & Supply Chain Management Minor** will help you prepare to take charge of the action at the heart of today's dynamic global business world.

Learn how to

- Design, plan, and operate systems to efficiently produce goods and services.
- Organize supplier networks to procure parts, materials and services.
- Manage the triple bottom line (environmental, social, and financial).
- Coordinate logistics to ensure timely delivery to customers.
- Reduce costs and improve quality.

The **Operations & Supply Chain Management Minor** can help prepare you for exciting career opportunities such as:

Business Analyst
ERP System Analyst
Materials Manager
Purchasing Specialist

Capacity Planner
Logistics Specialist
Operations Manager
Supply Chain Manager

Distribution Manager
Master Scheduler
Production Coordinator
Warehouse Manager

With experience, it can help prepare you for executive roles such as:

VP, Supply Chain Operations Chief Operating Officer

The **Operations & Supply Chain Management Minor** offers a core of courses focused on how businesses operate and how they interconnect with suppliers and distributors to produce and deliver goods and services.

Ready to Become an Operations & Supply Chain Management Minor?

- Talk with your academic advisor to see how the minor will impact your academic plan.

Have questions about the minor?

Please contact:

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Operations & Supply Chain Management Minor Requirements

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Operations & Supply Chain Management Minor Core Courses

All students in the **Operations & Supply Chain Management Minor** will complete four core courses (12 semester hours) designed to develop fundamental knowledge and skills needed to manage the operations of a business and coordinate with suppliers and distributors within its supply chain to deliver goods and services to its customers:

BUS 1950 Computer Concepts and Applications for Business. A study of computer concepts, including the information processing cycle, file organization, telecommunications, and operating systems and systems software. Applications software, including spreadsheets, databases, word processing, presentation graphics, computer communications, and operating systems with graphical user interfaces.

BUS 2810 Business Statistics I. A study of statistical analysis with business applications, including descriptive statistics, probability, interval estimation, hypothesis tests of means and proportions, simple correlation, chi square, one-way analysis of variation and linear regression. Includes use of spreadsheet software. **Prerequisite & Notes:** BUS 1950 with C or better, or AET major with AET 1323 with C or better, or permission of the Chair, School of Business.

BUS 3950 Operations Management. Management of manufacturing and service organizations. Among the topics are: forecasting; product and service operation design; process selection; capacity planning; layout; inventory management; aggregate planning; master scheduling; material requirements planning; lean operations; supply chain management; project management and quality. Includes application of computer software solution techniques. **Prerequisites & Notes:** BUS 2810 with C or better, and MAT 2120G or OSC 3800 (MAT 2120G or OSC 3800 can be taken concurrently), permission of the Chair, School of Business.

OSC 4810 Supply Chain and Logistics Management. The concepts in managing the complete flow of materials, information and financial resources in a supply chain from suppliers to customers are covered. This course covers manufacturing, distribution, service, and retail industries. This includes the fundamental relationships in the design, planning, execution, monitoring, and control that occur. **Prerequisites & Notes:** Junior, Senior or Graduate standing, BUS 2810 with C or better, or MAT 2250 with C or better, or permission of the Chair, School of Business.

Operations & Supply Chain Management Minor Elective Courses

To complete the **Operations & Supply Chain Management Minor**, students will take two additional courses (6 semester hours) approved as electives for the minor from the list below, with at least one course (3 semester hours) having the OSC prefix:

OSC Electives

- OSC 3430 Enterprise Resource Planning Systems
- OSC 3800 Spreadsheet Modeling and Analysis for Management Decision Making.
- OSC 4340 Strategic Quality Management.
- OSC 4700 Special Topics in Operations and Supply Chain Management.
- OSC 4820 Business Analytics and Data Mining.
- OSC 4850 Project Management.

Non-OSC Electives

- ACC 3300 Management and Cost Accounting
- BUS 3500 Management Information Systems
- EGT 4753 Lean Manufacturing.
- EGT 4803 Plant Layout and Material Handling.
- EGT 4843 Statistical Quality Assurance.
- MAR 3490 Business-to-Business Marketing.
- MGT 4700 Special Topics in Management.
- MIS 3505 Advanced Microcomputer Applications and Development.
- MIS 4600 Special Topics in Management Information Systems.
- MIS 4770 Database and Data Management