UNIVERSITY OF MINNESOTA
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Twin Cities Campus

Supply Chain & Operations Management B.S.B.

Supply Chain & Operations

Curtis L. Carlson School of Management

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2019
- Required credits to graduate with this degree: 120
- Required credits within the major: 75 to 80
- Degree: Bachelor of Science in Business

The Supply Chain major focuses on process excellence from both intra-organization and inter-organization points of view. Supply chain management manages the flow of goods, information, and services in order to deliver maximum value to the customer, while also minimizing the costs of the flow. Operations management is responsible for supplying the product or service of the organizations and managing the conversation or transformation process that converts inputs into outputs. The design of the major follows the industry-developed SCOR model of Plan-Source-Make-Deliver.

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Admission Requirements

Freshman and transfer students students are usually admitted to pre-major status before admission to this major

A GPA above 2.0 is preferred for the following:

- 3.00 transferring from another University of Minnesota college
- 3.00 transferring from outside the University

Students in the school have no restrictions on declaring the major but must complete the five tool courses before continuing with the major requirements. Students from outside of the school must meet overall admission standards to enter this major, including completion of microeconomics, macroeconomics, and calculus prior to admission. Transfer students will also need to complete statistics and financial accounting before starting on the major coursework but may do so after admission.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Required prerequisites

Tool Courses

Microeconomics

ECON 1101 - Principles of Microeconomics [SOCS, GP] (4.0 cr)
or APEC 1101 - Principles of Microeconomics [SOCS, GP] (4.0 cr)
or APEC 1101H - Principles of Microeconomics [SOCS, GP] (4.0 cr)

Macroeconomics

ECON 1102 - Principles of Macroeconomics (4.0 cr)
or APEC 1102 - Principles of Macroeconomics (3.0 cr)
or APEC 1102H *{Inactive}*(4.0 cr)

Calculus

MATH 1142 - Short Calculus [MATH] (4.0 cr)
or MATH 1271 - Calculus I [MATH] (4.0 cr)
or MATH 1571H - Honors Calculus I [MATH] (4.0 cr)
or MATH 1371 - CSE Calculus I [MATH] (4.0 cr)

Accounting

ACCT 2051 - Introduction to Financial Reporting (4.0 cr)
or ACCT 2051H - Honors: Introduction to Financial Reporting (4.0 cr)

Statistics

BA 2551 - Business Statistics in R [MATH] (4.0 cr)
or STAT 3011 - Introduction to Statistical Analysis [MATH] (4.0 cr)
or STAT 3021 - Introduction to Probability and Statistics (3.0 cr)
or STAT 3022 - Data Analysis (4.0 cr)
or PSY 3801 - Introduction to Psychological Measurement and Data Analysis [MATH] (4.0 cr)
or SOC 3811 - Social Statistics [MATH] (4.0 cr)
or IE 3521 - Statistics, Quality, and Reliability (4.0 cr)
or EE 3025 - Statistical Methods in Electrical and Computer Engineering (3.0 cr)

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Information current as of March 28, 2024

or CEGE 3102 - Uncertainty and Decision Analysis (3.0 cr)
or ANSC 3011 - Statistics for Animal Science (4.0 cr)
or STAT 4101 - Theory of Statistics I (4.0 cr)
STAT 4102 - Theory of Statistics II (4.0 cr)
or STAT 5101 - Theory of Statistics I (4.0 cr)
STAT 5102 - Theory of Statistics II (4.0 cr)
or MATH 5651 - Basic Theory of Probability and Statistics (4.0 cr)
MATH 5652 - Introduction to Stochastic Processes (4.0 cr)

General Requirements

All students are required to complete general University and college requirements including writing and liberal education courses. For more information about University-wide requirements, see the liberal education requirements.Required courses for the major or minor in which a student receives a D grade (with or without plus or minus) do not count toward the major or minor (including transfer courses).

Program Requirements

Lower Division Requirements

Management

Students entering the program as freshmen or sophomores take MGMT 1001. Students who transfer in as juniors complete MGMT 3001 instead.

BA 1011 - Leading Self & Teams (2.0 cr)
or MGMT 1001H - Honors: Contemporary Management (3.0 cr)
or MGMT 3001 - Fundamentals of Management (3.0 cr)

Corporate Responsibilty and Ethics

BA 2005 - Business Ethics, Corporate Responsibility & Sustainability [CIV] (3.0 cr)
or BA 2005H - Business Ethics, Corporate Responsibility and Sustainability [CIV] (3.0 cr)

Psychology

PSY 1001 - Introduction to Psychology [SOCS] (4.0 cr)
or PSY 1001H - Honors Introduction to Psychology [SOCS] (4.0 cr)

Career Skills

BA 2021 - Design Your Career (1.0 cr)

Immersion Core

Students complete the Immersion Core as a cohort.

MGMT 3004 - Strategic Management (3.0 cr)
SCO 3001 - Sustainable Supply Chain and Operations (3.0 cr)
FINA 3001 - Finance Fundamentals (3.0 cr)
or FINA 3001H - Honors: Finance Fundamentals (3.0 cr)
MKTG 3001 - Principles of Marketing (3.0 cr)
or MKTG 3001H - Honors:Principles of Marketing (3.0 cr)

Additional Core Requirements

Information Systems

IDSC 3001 - Information Systems & Digital Transformation [TS] (3.0 cr)
or IDSC 3001H - Honors: Information Systems for Business Processes and Management (3.0 cr)

Human Resources

HRIR 3021 - Human Capital Management (3.0 cr)
or HRIR 3021H - Honors: Human Capital Management (3.0 cr)
or IBUS 3021 - Human Capital Management (4.0 cr)

Managerial Accounting

ACCT 3001 - Strategic Management Accounting (3.0 cr)
or IBUS 3002 - Strategic Management Accounting (4.0 cr)

Business Communication

BA 3033W - Business Communication [WI] (3.0 cr)
or IBUS 3033W - Business Communication in a Global Context [WI] (4.0 cr)

Major Requirements

SCO 3056 - Supply Chain Planning and Control (4.0 cr)
SCO 3059 - Quality Management and Lean Six Sigma (4.0 cr)
SCO 3045 - Sourcing and Supply Management (2.0 cr)
SCO 3048 - Transportation and Logistics Management (2.0 cr)
SCO 3072 - Managing Technologies in the Supply Chain (2.0 cr)
SCO 4065W - Supply Chain and Operations Strategy [WI] (4.0 cr)

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Electives

Take 1 or more course(s) totaling 4 or more credit(s) from the following:

- SCO 3041 - Project Management (2.0 cr)
- SCO 3051 - Service Management (2.0 cr)
- MKTG 4061 - Marketing Channels (4.0 cr)
- IDSC 3202 - Analysis and Modeling of Business Systems (4.0 cr)
- BLAW 3058 *{Inactive}*(4.0 cr)
- MGMT 4044 - Negotiation Strategies (4.0 cr)

International Experience

Students must complete an international experience as part of the program requirements. Short-term or semester-length programs may be used to meet this requirement. Students are encouraged to start planning with their advisor early in the program.

Upper-division Writing Intensive within the major

Students are required to take one upper-division writing intensive course within the major. If that requirement has not been satisfied within the core major requirements, students must choose one course from the following list. Some of these courses may also fulfill other major requirements.

Take 0 - 1 course(s) from the following:

- BA 3033W - Business Communication [WI] (3.0 cr)
- SCO 4065W - Supply Chain and Operations Strategy [WI] (4.0 cr)
- IBUS 3033W - Business Communication in a Global Context [WI] (4.0 cr)

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