

Operations Management

(2016-2017 Catalog Year)

Curriculum

In addition to completing the University of Utah's and Eccles School's **core requirements**, students seeking a Bachelor's Degree in Operations Management must complete the following courses. (Students seeking an Honors Bachelor's Degree in Operations Management must complete the major's **honors requirements**, as well). Students can find full course descriptions and requisite details on the University of Utah's **General Catalog** and **class schedule**.

Core Courses

■ OIS 5610 - Practical Management Science

Topics include: using Microsoft Excel to set up, solve, and analyze problems (including linear and integer models, critical path method/project management, risk, insurance, decision trees, and simulation).

■ OIS 5640 - Project Management

Topics include: all three phases of project management: project conception, execution, and closure; issues related to project leadership, budgeting, and scheduling; state-of-the-art project management practices; and project management software.

■ OIS 5800 - Operations In Practice

Prerequisites: OIS 5610 + 5640

This course is a senior capstone requirement for OM majors. Students will be assigned groups and a specific company to work with to assist with projects.

■ MATH 1100 - Business Calculus

Prerequisite: MATH 1050, 1080, 1090, or placement

Topics include: limits; differentiation and integration of polynomial, rational, logarithmic, and exponential functions; optimizing functions (including marginal analysis); business applications of the derivative and integral; partial derivatives; and functions of several variables.

■ OIS 3440 - Applications of Business Statistics

Prerequisite: OIS 2340

Topics include: designing experiments, goodness of fit, contingency tables, correlation analysis, nonparametric statistics, statistical process control, developing and interpreting regression models, and creating graphical and numerical outputs in Microsoft Excel.

Elective Courses

Students must complete nine (9) credits of electives.

- IS 4420 - Database Fundamentals
- IS 4482 - Data Mining for Business Applications
- OIS 4650 - Principles of Quality Management
- OIS 4999 - Honors Thesis Project
- OIS 5450 - Simulation of Business Processes
- OIS 5630 - Production Planning & Control
- OIS 5650 - Six Sigma for Managers
- OIS 5670 - Managing Service Operations

Global Perspectives Courses

- **OIS 5620 - Global Supply Chain Management**

Prerequisite: OIS 3660 or 3661

Topics include: how to improve the performance of an individual firm and the supply chain network (including material flows, information flows, and contractual arrangements) and aligning the inventories, information, and incentives of a supply chain operating in a global context.

- **Students must complete one (1) of the following courses:**

ACCTG 5140 - International Accounting

FINAN 4550 - International Finance

MKTG 4840 - International Marketing

Program of Study

The University of Utah's General Catalog includes a [sample four-year degree plan](#) for the Operations Management major. Students can customize this plan, using the [Degree Plan](#) feature in [My Degree Dashboard](#). In addition to utilizing these tools, the Eccles School encourages students to work closely with their [academic advisor](#). Advising will ensure proper course sequencing, while also creating a personalized academic road-map.