

# Operations and Supply Chain Management, B.S.

The bachelor degree in Operations and Supply Chain Management produces career-ready graduates to meet the growing demand for employees with this skill set. The program of study consists of both a theoretical and hands-on, practical approach to learning. Practical knowledge is gained by requiring each graduate to sit for at least one professional industry certification exam (Domo, Lean, Six Sigma, Project Management), and complete either an internship or an independent study applying skills and tools learned throughout their coursework. Further, students will benefit from the program's connection with industry leaders who advise program directors regarding course offerings and course content that is most valuable on the job market. Students will also be provided multiple opportunities to interact and network with industry partners on in-class projects, internships, and full-time employment post-graduation. Students will gain knowledge in core topics such as analytics for business decisions, business decision optimization, supply chain management, simulation for business applications, and quality management tools and techniques (Lean, Six Sigma, Theory of Constraints, etc.). Graduates will be prepared to enter the job market in a variety of industries such as technology, healthcare, supply chain, manufacturing, distribution, and logistics.

## Matriculation Requirements

Code	Title	Credit Hours
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Complete one of the following: <sup>1</sup>

My Educator		
IM 2010	Business Computer Proficiency	
IM 2600	Spreadsheet Applications	

Complete the following:

ECON 2010	Principles of Economics I SS	3
ACC 2110	Principles of Accounting I	3
MGMT 2240	Business Quantitative Analysis	3
MGMT 2340	Business Statistics I	3
MKTG 220G	Written Business Communication GI WE	3
MGMT 2400	Data Analytics for Business	3

## Program Requirements

Code	Title	Credit Hours
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<b>Total Credit Hours</b>		<b>120</b>
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<b>General Education Requirements</b>		<b>35 Credits</b>
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ENGL 1010	Introduction to Academic Writing CC	3
or ENGH 1005	Literacies and Composition Across Contexts CC	
ENGL 2010	Intermediate Academic Writing CC	3

Complete one of the following: 3

MATH 1090	College Algebra for Business QL (3)	
MATH 1050	College Algebra QL (4)	
MATH 1055	College Algebra with Preliminaries QL (5)	

Complete one of the following: 3

HIST 1700	American Civilization AS (3)	
HIST 1740	US Economic History AS (3)	
POLS 1000	American Heritage AS (3)	
POLS 1100	American National Government AS (3)	

Complete the following:

PHIL 2050	Ethics and Values IH	3
HLTH 1100	Personal Health and Wellness TE	2
or EXSC 1097	Fitness for Life TE	

Distribution Courses:

Biology		3
ECON 2010	Principles of Economics I SS (B- or higher required)	3

Physical Science		3
Additional Biology or Physical Science		3
Humanities Distribution		3
Fine Arts Distribution		3
<b>Matriculation Courses:</b>		<b>15</b>
		<b>Credits</b>
Complete one of the following: <sup>1</sup>		
My Educator		
IM 2010	Business Computer Proficiency (3)	
IM 2600	Spreadsheet Applications (3)	
ACC 2110	Principles of Accounting I	3
MKTG 220G	Written Business Communication GI WE (B- or higher required)	3
MGMT 2240	Business Quantitative Analysis	3
MGMT 2340	Business Statistics I	3
MGMT 2400	Data Analytics for Business	3
Note: ECON 2010 is also a matriculation requirement		
<b>Discipline Core Requirements</b>		<b>40</b>
		<b>Credits</b>
Business Core Courses:		
MGMT 3000	Organizational Behavior WE	3
MKTG 3600	Principles of Marketing	3
FIN 3100	Principles of Finance	3
MGMT 3450	Operations Management	3
MGMT 295R	Executive Lecture Series	1
or ENTR 293R	Entrepreneurship Lecture Series	
Complete one of the following:		3
ECON 305G	International Economics GI (3)	
MGMT 332G	Cross Cultural Communications for International Business GI (3)	
MGMT 330G	Survey of International Business GI (3)	
Program Core Requirements:		
MGMT 3460	Scheduling Forecasting and Inventory Management	3
MGMT 3480	Operations Simulation	3
MGMT 3700	Supply Chain and Logistics Management	3
MGMT 4470	Strategic Operational Planning	3
MGMT 4480	Management Science and Optimization	3
MGMT 481R	Internship	3
or MGMT 490R	Independent Study	
MGMT 4860	Business Strategy Formulation and Implementation	3
Complete one of the following:		3
MGMT 3070	Total Quality Management (3)	
MGMT 3470	Lean Management Systems (3)	
TECH 4400	Advanced Project Management (3)	
MGMT 4350	Business Intelligence and Data Visualization (3)	
<b>Elective Requirements</b>		<b>30</b>
		<b>Credits</b>
Complete 18 credits from the following list: <sup>2</sup>		18
MGMT 3345	Business Statistics II (3)	
ECON 4040	Game Theory (3)	
HR 4610	Talent Acquisition (3)	
INFO 4440	Enterprise Computing Environments (3)	
MGMT 3070	Total Quality Management (3)	
MGMT 3470	Lean Management Systems (3)	
MGMT 4350	Business Intelligence and Data Visualization (3)	

MKTG 4300	Marketing Data Science (3)	
MKTG 4600	Customer Experience (3)	
TECH 3400	Project Management WE (3)	
TECH 3700	Materials Management (3)	
TECH 4000	Reliability Management (3)	
TECH 4400	Advanced Project Management (3)	

Complete 12 credits of any courses 1000-level or higher 12

1

My Educator requires a score of 80% or higher. IM 2010 or IM 2600 require a grade of B- or better.

2

May not choose a course previously taken for business or program requirement.

## Graduation Requirements

1. Completion of a minimum of 120 semester credits required in the BS degree; at least 40 credit hours must be upper-division courses.
2. Overall grade point average 2.0 or above with a minimum of 2.5 GPA in all Woodbury School of Business courses. No grade lower than a "C-" in core and specialization courses.
3. Residency hours: Minimum of 30 credit hours of business courses through course attendance at UVU, with at least 10 hours earned in the last 45 hours.
4. Completion of GE and specified departmental requirements. Students are responsible for completing all prerequisite courses.
5. Successful completion of at least one Global/Intercultural course.
6. Successful completion of at least two Writing Enriched (WE) courses.

NOTE: Students will be limited to 9 hours of upper-division credit prior to completing matriculation.

## Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (<http://www.uvu.edu/wolverinetrack/>).

### First Year

Semester 1		Credit Hours
ENGL 1010 or ENGH 1005	Introduction to Academic Writing CC or Literacies and Composition Across Contexts CC	3
Physical Science		3
Fine Art		3
ELECTIVE		3
MGMT 295R	Executive Lecture Series	1
<b>Credit Hours</b>		<b>13</b>
Semester 2		Credit Hours
ENGL 2010	Intermediate Academic Writing CC	3
MATH 1050	College Algebra QL	4
HISTORY GE		3
BIOLOGY GE		3
ELECTIVE		3
<b>Credit Hours</b>		<b>16</b>
Second Year		Credit Hours
Semester 3		Credit Hours
ACC 2110	Principles of Accounting I	3
MGMT 2240	Business Quantitative Analysis	3
ECON 2010	Principles of Economics I SS	3
MKTG 220G	Written Business Communication GI WE	3
THIRD SCIENCE GE		3
<b>Credit Hours</b>		<b>15</b>
Semester 4		Credit Hours
HUMANITIES GE		3
PHIL 2050	Ethics and Values IH	3
MGMT 2340	Business Statistics I	3

HLTH 1100 or EXSC 1097	Personal Health and Wellness TE or Fitness for Life TE	2
MGMT 2400	Data Analytics for Business	3
<b>Credit Hours</b>		<b>14</b>
<b>Third Year</b>		
<b>Semester 5</b>		
MGMT 330G	Survey of International Business GI	3
MGMT 3450	Operations Management	3
MGMT 3000	Organizational Behavior WE	3
MKTG 3600	Principles of Marketing	3
UPPER DIVISION ELECTIVE		3
<b>Credit Hours</b>		<b>15</b>
<b>Semester 6</b>		
FIN 3100	Principles of Finance	3
MGMT 3700	Supply Chain and Logistics Management	3
MGMT 3460	Scheduling Forecasting and Inventory Management	3
MGMT 3480	Operations Simulation	3
MGMT 481R	Internship	3
<b>Credit Hours</b>		<b>15</b>
<b>Fourth Year</b>		
<b>Semester 7</b>		
MGMT 4480	Management Science and Optimization	3
MGMT 3070	Total Quality Management	3
TECH 4400	Advanced Project Management	3
UPPER DIVISION ELECTIVE		9
<b>Credit Hours</b>		<b>18</b>
<b>Semester 8</b>		
UPPER DIVISION ELECTIVE		6
MGMT 4470	Strategic Operational Planning	3
MGMT 4860	Business Strategy Formulation and Implementation	3
ELECTIVE		2
<b>Credit Hours</b>		<b>14</b>
<b>Total Credit Hours</b>		<b>120</b>

## Program Learning Outcomes

1. Exhibit quantitative reasoning skills in the application to a variety operations and supply chain problems.
2. Understand, conduct, and present (in both written and oral formats) quantitative business solutions.
3. Apply a variety of forecasting, simulation, optimization, and other mathematical and statistical tools to a number of business problems.
4. Approach, synthesize, and analyze operations and supply chain problems using quantitative and qualitative techniques, and state-of-the-art software packages.
5. Understand operations and supply chain issues affecting businesses locally, nationally, and internationally.
6. Understand systems and process thinking and reasoning as they approach operations and supply chain issues and/or face ethical dilemmas in their school work and future careers.