

SUPPLY CHAIN AND LOGISTICS MANAGEMENT UNDERGRADUATE MAJOR (BS, HBS)

This program is available at the following locations:

- Corvallis
- Ecampus

Options available:

- Dean's Academy (<https://catalog.oregonstate.edu/college-departments/business/school-management-entrepreneurship-supply-chain/supply-chain-logistics-management-bs-hbs/deans-academy-option/>)
- International Business (<https://catalog.oregonstate.edu/college-departments/business/school-management-entrepreneurship-supply-chain/supply-chain-logistics-management-bs-hbs/international-business-option/>)
- Long-Term Care Operations Management (<https://catalog.oregonstate.edu/college-departments/business/school-management-entrepreneurship-supply-chain/supply-chain-logistics-management-bs-hbs/long-term-care-operations-management-option/>)

The SCLM program focuses on the application of statistical modeling, forecasting and operations research techniques to the analysis of problems of supply & demand planning, logistics operations, supply chain integration and system dynamics. The program curriculum will explore topics and techniques associated with forecasting linear programming, contract analysis, ERP systems, project management, stimulation, social network analysis, data mining, data visualization, text mining, and advanced statistical tools and techniques. Graduates will be able to provide insight and analysis into governance and institutional analysis of global value chain and supply chain modeling. Graduates will also gain abilities to interpret, implement, and communicate solutions that benefit stakeholders and optimize resource utilization. The degree program will train students to be operations and procurement managers in government agencies and in manufacturing and service sectors around the globe.

Major Code: 075

Upon successful completion of the program, students will meet the following learning outcomes:

- Analyze business problems using operations research methods such as simulation, optimization and mathematical modeling.
- Execute projects by interpreting, negotiating, and creating commercial contracts.
- Apply advanced software systems and tools in process design and in ensuring efficient use of natural resources.
- Design and implement global supply chain logistics systems.
- Develop strategies for supply chain integration and supply chain relations.

- Conduct risk assessment in both public and private sectors to mitigate negative social and ecological impact.

Degree requirements include university core education, business and major curricula. The business curriculum provides students with a broad overview of business; basic skills in accounting and quantitative methods; an understanding of the legal and social environment of business; a background in management and organizational behavior, marketing, finance, and operations management; an understanding of the entrepreneurial process; and the opportunity to integrate coursework and further develop decision-making skills through the analysis of business cases. The lower-division business curriculum involves completion of courses within the first and second year that build a solid foundation for the upper-division curricula.

Transitions to OSU and Introduction to Business coursework will depend on student type. At registration, an academic advisor will determine the most appropriate path.

1. Students entering OSU as their first college experience after high school will take a 100 Transitions course, BA 160, and a BA 16X series;
2. Students entering OSU COB as a second-year transfer student (approximately three years to graduation) will take a 300 Transitions course, BA 160, and BA 101Z; or
3. Students entering OSU COB as a third-year transfer student (approximately two years or less to graduation) will take a 300 Transitions course and BA 101Z.

Code	Title	Credits
Summary of Requirements		
Business Curriculum ¹		102-106
Supply Chain and Logistics Management Curriculum		30
Unspecified Core Education ¹		22-26
Unrestricted Electives ²		18-26
Total Credits		180

¹ Some courses in the Business Curriculum double-count with Core Education categories. Unspecified Core Education credits are not shared with the Business Curriculum

² Options and minors are available to provide specializations and fulfill unrestricted elective credits

Business Curriculum

Code	Title	Credits
Foundations of Business		
<i>Introduction to Business</i>		
Third-year transfer students may be eligible to waive BA 160.		
BA 160	+COB CAREER AND MAJOR EXPLORATION	1
Dependent on entry level, students will take one of the following:		
BA 161 & BA 162	INNOVATION NATION--AWARENESS TO ACTION and INNOVATION NATION--IDEAS TO REALITY	4-6
BA 167 & BA 168	LAUNCH PAD I and LAUNCH PAD II	
BA 101Z	INTRODUCTION TO BUSINESS	
<i>Communications</i>		
COMM 114	+*ARGUMENT AND CRITICAL DISCOURSE	3-4
or COMM 111Z	+*PUBLIC SPEAKING	
or COMM 218Z	+*INTERPERSONAL COMMUNICATION	
<i>Economics</i>		
ECON 201Z	+*PRINCIPLES OF MICROECONOMICS	4
ECON 202Z	+*PRINCIPLES OF MACROECONOMICS	4

Mathematics		
MTH 241	+*CALCULUS FOR MANAGEMENT AND SOCIAL SCIENCE	4
Writing		
WR 323	+*ADVANCED WRITING & ARGUMENTATION	3-4
or WR 227Z	+*TECHNICAL WRITING	
Business Core		
BA 169Z	DATA ANALYSIS USING MICROSOFT EXCEL	4
BA 211Z	PRINCIPLES OF FINANCIAL ACCOUNTING	4
BA 213Z	PRINCIPLES OF MANAGERIAL ACCOUNTING	4
BA 223	PRINCIPLES OF MARKETING	4
or BA 390	PRINCIPLES OF MARKETING	
BA 226Z	INTRODUCTION TO BUSINESS LAW	4
BA 240	FINANCE	4
BA 252	INTRODUCTION TO ORGANIZATIONAL BEHAVIOR ¹	4
BA 260	FOUNDATIONS OF THE ENTREPRENEURIAL MINDSET	4
BA 275	FOUNDATIONS OF STATISTICAL INFERENCE	4
BA 270	BUSINESS PROCESS MANAGEMENT	4
BA 347	INTERNATIONAL BUSINESS	4
BA 354	^ETHICS IN ORGANIZATIONS	4
BA 357	OPERATIONS AND SUPPLY CHAIN MANAGEMENT	4
BA 370	BUSINESS INFORMATION SYSTEMS OVERVIEW	4
BA 375	APPLIED QUANTITATIVE METHODS	4
BA 396	+MARKETS AS SOCIAL STATUS SYSTEMS	3
or BA 398	+SUSTAINABLE CAPITALISM: EXPLORING POWER, PROSPERITY, AND JUSTICE	
BA 466	INTEGRATIVE STRATEGIC EXPERIENCE	4
Blueprint: Personal & Professional Development		
Second Year		
Third-year transfer students may be eligible to substitute BA 381 for second year Professional Development and Blueprint coursework.		
BA 281	PROFESSIONAL DEVELOPMENT	3
BA 282	DRAFTING YOUR CAREER BLUEPRINT	1
BA 283	NAVIGATING CRUCIAL CONVERSATIONS IN THE WORKPLACE	1
BA 284	FOUNDATIONS OF PERSONAL FINANCE I	1
Third Year		
BA 311	+FRAMING YOUR CAREER PLAN	1
BA 312	FOUNDATIONS OF PERSONAL FINANCE II	1
BA 313	A CASE FOR CIVIL DISCOURSE IN BUSINESS	1
Fourth Year		
BA 411	NAVIGATING CAREER TRANSITIONS	1
BA 412	FINANCIAL PLANNING I	1
BA 413	FINANCIAL PLANNING II	1
Total Credits		102-106

* Baccalaureate Core course. Applies to general education requirements for undergraduate students in a catalog year up to 2024-2025

+ Core Education course. Applies to general education requirements for undergraduate students in catalog year 2025-2026 and beyond

^ Writing Intensive Curriculum (WIC) course

¹ Course requires a grade of C or higher

Supply Chain and Logistics Management Curriculum

Code	Title	Credits
MGMT 455	INFLUENCE AND NEGOTIATION	4
SCLM 350	TECHNOLOGY APPLICATIONS IN SUPPLY CHAIN MANAGEMENT	4
SCLM 450	SUPPLY AND SOURCING MANAGEMENT	3
SCLM 451	SERVICE OPERATIONS MANAGEMENT	3
SCLM 452	SUPPLY CHAIN MODELING AND DECISION ANALYSIS	4
SCLM 453	SUPPLY CHAIN ANALYTICS	3
SCLM 457	SUPPLY CHAIN STRATEGY	4

SCLM 459	SUPPLY CHAIN AND LOGISTICS MANAGEMENT CAPSTONE ¹	3
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Experiential Learning

Select 2 credits from the following courses:		2
Any COB 004 Internship (e.g. SCLM 004) ²		
Any COB 403 Thesis (eg. SCLM 403)		
Any COB 405 Reading & Conference (eg. SCLM 405)		
Any COB 406 Projects (eg. SCLM 406)		
Any COB 409 Practicum (eg. SCLM 409)		
Any COB 410 Internship (eg. SCLM 410)		
BA 348	INTERNATIONAL EXCHANGE ORIENTATION	
& BA 349	and IMPACT OF CULTURE ON BUSINESS	
Department Approved Certification		
Total Credits		30

¹ Students in the Long-Term Operations Management option substitute BA 484 and BA 485 for SCLM 459

² Students may substitute a COB 004 Internship (e.g. SCLM 004) course for the experiential learning requirement if they do not need an additional 2 credits to meet their 180 credit degree total

Major Code: 075

Degree plans are subject to change and the following is only an example of how students may complete their degree in four years. Students should consult their advisor to determine the best degree plan for them. Contact details for advisors can be found on the Academic Advising (<https://catalog.oregonstate.edu/advising/>) page.

First Year

Fall	Credits	
BA 160	+COB CAREER AND MAJOR EXPLORATION	1
MTH 111Z	+*PRECALCULUS I: FUNCTIONS	4
COMM 111Z	+*PUBLIC SPEAKING	3-4
or COMM 114	or +*ARGUMENT AND CRITICAL DISCOURSE	
or COMM 218Z	or +*INTERPERSONAL COMMUNICATION	
Core Ed: Arts & Humanities General		3-4
Core Ed: Transitions		2
Credits		14

Winter

BA 161	INNOVATION NATION--AWARENESS TO ACTION	3
MTH 241	+*CALCULUS FOR MANAGEMENT AND SOCIAL SCIENCE	4
ECON 201Z	+*PRINCIPLES OF MICROECONOMICS	4
Core Ed: Scientific Inquiry & Analysis		4
Credits		15

Spring

BA 162	INNOVATION NATION--IDEAS TO REALITY	3
BA 169Z	DATA ANALYSIS USING MICROSOFT EXCEL	4
ECON 202Z	+*PRINCIPLES OF MACROECONOMICS	4
WR 121Z	+*COMPOSITION I	4
Credits		15

Second Year

Fall

BA 226Z	INTRODUCTION TO BUSINESS LAW	4
BA 260	FOUNDATIONS OF THE ENTREPRENEURIAL MINDSET	4
BA 275	FOUNDATIONS OF STATISTICAL INFERENCE	4
BA 282	DRAFTING YOUR CAREER BLUEPRINT	1
Core Ed: Difference, Power & Oppression Foundations		3-4
Credits		16

Winter

BA 211Z	PRINCIPLES OF FINANCIAL ACCOUNTING	4
BA 252	INTRODUCTION TO ORGANIZATIONAL BEHAVIOR	4

BA 270	BUSINESS PROCESS MANAGEMENT	4	Elective	4
BA 284	FOUNDATIONS OF PERSONAL FINANCE I	1		
WR 323 or WR 227Z	+*ADVANCED WRITING & ARGUMENTATION or +*TECHNICAL WRITING	3-4		
Credits				16
Spring				
BA 213Z	PRINCIPLES OF MANAGERIAL ACCOUNTING	4		
BA 223 or BA 390	PRINCIPLES OF MARKETING or PRINCIPLES OF MARKETING	4		
BA 240	FINANCE	4		
BA 281	PROFESSIONAL DEVELOPMENT	3		
BA 283	NAVIGATING CRUCIAL CONVERSATIONS IN THE WORKPLACE	1		
Credits				16
Third Year				
Fall				
BA 311	+FRAMING YOUR CAREER PLAN	1		
BA 357	OPERATIONS AND SUPPLY CHAIN MANAGEMENT	4		
BA 375	APPLIED QUANTITATIVE METHODS	4		
Core Ed: Scientific Inquiry & Analysis		4		
Elective		2		
Credits				15
Winter				
BA 312	FOUNDATIONS OF PERSONAL FINANCE II	1		
BA 347	INTERNATIONAL BUSINESS	4		
Core Ed: Arts & Humanities Global		3-4		
Core Ed: Seeking Solutions		3-4		
Electives		2		
Credits				14
Spring				
BA 313	A CASE FOR CIVIL DISCOURSE IN BUSINESS	1		
BA 354	^ETHICS IN ORGANIZATIONS	4		
BA 370	BUSINESS INFORMATION SYSTEMS OVERVIEW	4		
SCLM 350	TECHNOLOGY APPLICATIONS IN SUPPLY CHAIN MANAGEMENT	4		
Experiential Learning		2		
Credits				15
Fourth Year				
Fall				
BA 411	NAVIGATING CAREER TRANSITIONS	1		
MGMT 455	INFLUENCE AND NEGOTIATION	4		
SCLM 450	SUPPLY AND SOURCING MANAGEMENT	3		
SCLM 451	SERVICE OPERATIONS MANAGEMENT	3		
Elective		4		
Credits				15
Winter				
BA 412	FINANCIAL PLANNING I	1		
SCLM 452	SUPPLY CHAIN MODELING AND DECISION ANALYSIS	4		
SCLM 453	SUPPLY CHAIN ANALYTICS	3		
SCLM 457	SUPPLY CHAIN STRATEGY	4		
Elective		2		
Credits				14
Spring				
BA 413	FINANCIAL PLANNING II	1		
BA 396 or BA 398	+MARKETS AS SOCIAL STATUS SYSTEMS or +SUSTAINABLE CAPITALISM: EXPLORING POWER, PROSPERITY, AND JUSTICE	3		
BA 466	INTEGRATIVE STRATEGIC EXPERIENCE	4		
SCLM 459	SUPPLY CHAIN AND LOGISTICS MANAGEMENT CAPSTONE	3		
Credits				180
			Credits	15
			Total Credits	180

* Baccalaureate Core course. Applies to general education requirements for undergraduate students in a catalog year up to 2024-2025
 + Core Education course. Applies to general education requirements for undergraduate students in catalog year 2025-2026 and beyond
 ^ Writing Intensive Curriculum (WIC) course