

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

This major offers the following option(s):

- Dean's Academy (<http://catalog.oregonstate.edu/college-departments/business/supply-chain-logistics-management-bs-hbs/deans-academy-option/>)
- International Business (<http://catalog.oregonstate.edu/college-departments/business/supply-chain-logistics-management-bs-hbs/international-business-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

- Analyze business problems using operations research methods including simulation and optimization and mathematical modeling.
- Manage projects and interpret/negotiate/create commercial contracts.
- Apply advanced software systems and tools in process design and in ensuring efficient use of natural resources.
- Design, analyze and implement global supply chain logistics systems.
- Managing supply chain integration and supply chain relations.
- Execute logistics/distribution strategy in extreme environment such as humanitarian and natural disaster setting.
- Conduct risk assessment in both public and private sectors and in mitigating negative social and ecological impact.

SCLM major requirements are divided into two parts – lower-division and upper-division. The lower-division business core program involves completion of courses within the first and second year (see core curriculum below) that build a solid foundation for the upper-division SCLM and business curricula. The lower-division business core course work may be completed at OSU or any accredited college or university that offers equivalent courses transferable to OSU. Students entering OSU on the Corvallis campus as their first college experience are required to participate in Innovation Nation, the College of Business Living-Learning Community (LLC).

Code	Title	Credits
Summary of Requirements		
<i>Lower Division</i>		62
Business Courses (47)		
Math, Economics, Writing and Communications (15) ⁺		
<i>Upper Division</i>		65
Business Courses (26)		
Writing (3)		
Supply Chain and Logistics Management Classes (36)		
<i>University General Education Requirements</i>		40
<i>Unrestricted Electives</i>		13
Total credits required for graduation		180

+

10 credits from lower-division course work satisfy University General Education Requirements

Business Administration Core Curriculum (91) ¹

The business administration core 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 course work and further develop decision-making skills through the analysis of business cases.

Code	Title	Credits
First Year		
BA 160	B-ENGAGED	3
or BA 163	B-ENGAGED	
BA 161	INNOVATION NATION–AWARENESS TO ACTION	3
BA 162	INNOVATION NATION–IDEAS TO REALITY	3
COMM 111	*PUBLIC SPEAKING	3
or COMM 114	*ARGUMENT AND CRITICAL DISCOURSE	
or COMM 218	*INTERPERSONAL COMMUNICATION	
MTH 241	*CALCULUS FOR MANAGEMENT AND SOCIAL SCIENCE	4
Second Year ²		
BA 281	PROFESSIONAL DEVELOPMENT	3
BA 282	DRAFTING YOUR CAREER BLUEPRINT	1
BA 283	CREATIVITY, CULTURE, AND THE WORKPLACE	1
BA 284	FOUNDATIONS OF PERSONAL FINANCE I	1
BA 211	FINANCIAL ACCOUNTING	4
BA 213	MANAGERIAL ACCOUNTING	4
BA 223	PRINCIPLES OF MARKETING	4
or BA 390	PRINCIPLES OF MARKETING	
BA 230	BUSINESS LAW I	4
BA 240	FINANCE	4
or BA 360	INTRODUCTION TO FINANCIAL MANAGEMENT	
BA 260	INTRODUCTION TO ENTREPRENEURSHIP	4
BA 270	BUSINESS PROCESS MANAGEMENT	4
BA 275	FOUNDATIONS OF STATISTICAL INFERENCE	4
ECON 201	*INTRODUCTION TO MICROECONOMICS	4
ECON 202	*INTRODUCTION TO MACROECONOMICS	4
Third Year		
BA 311	FRAMING YOUR CAREER PLAN	1
BA 312	FOUNDATIONS OF PERSONAL FINANCE II	1
BA 313	THE ORANGE AND BLACK CASE COMPETITION	1
BA 347	INTERNATIONAL BUSINESS	4
BA 352	MANAGING INDIVIDUAL AND TEAM PERFORMANCE	4
BA 354	*MANAGING ETHICS AND CORPORATE SOCIAL RESPONSIBILITY	4

2 Supply Chain and Logistics Management Undergraduate Major (BS, HBS)

BA 370	BUSINESS INFORMATION SYSTEMS OVERVIEW	4
WR 222	*ENGLISH COMPOSITION	3
or WR 323	*ENGLISH COMPOSITION	
or WR 327	*TECHNICAL WRITING	
Fourth Year		
BA 411	NAVIGATING YOUR WORKPLACE	1
BA 412	FINANCIAL PLANNING I	1
BA 413	FINANCIAL PLANNING II	1
BA 466	INTEGRATIVE STRATEGIC EXPERIENCE	4
Total Credits		91

*
Baccalaureate Core Course (BCC)

^
Writing Intensive Course (WIC)

1
MTH 241; ECON 201 and ECON 202; WR 222, WR 323 or WR 327, and COMM 111, COMM 114 or COMM 218 meet the university's Baccalaureate Core requirements for mathematics, social processes and institutions, writing II, and speech, respectively. All students must meet the other Baccalaureate Core requirements and the other requirements for baccalaureate degrees

2
For students who transfer into College of Business business-related programs, the Blueprint transition courses meet the same outcomes as the professional development (Blueprint) course series accounting for the student's academic year when they transfer into the business program

SCLM Curriculum (36)

Code	Title	Credits
BA 357	OPERATIONS MANAGEMENT	4
BA 456	TECHNOLOGY APPLICATIONS IN SUPPLY CHAIN MANAGEMENT	4
BA 375	APPLIED QUANTITATIVE METHODS	4
BA 453	SUPPLY CHAIN MODELING AND DECISION ANALYSIS	4
BA 451	SUPPLY AND SOURCING MANAGEMENT	3
BA 454	LEAN ENTERPRISE MANAGEMENT AND CAPSTONE	3
BA 478	SUPPLY CHAIN ANALYTICS	3
MGMT 455	INFLUENCE AND NEGOTIATION	4
MGMT 457	SUPPLY CHAIN STRATEGY	4
BA 459	SERVICE OPERATIONS MANAGEMENT	3
Total Credits		36

Major Code: 075

First Year		
Fall		
		Credits
BA 160	B-ENGAGED	3
MTH 111	*COLLEGE ALGEBRA	4
WR 121	*ENGLISH COMPOSITION	3
Bacc Core: Bio Lab Science		4
Credits		14
Winter		
BA 161	INNOVATION NATION-AWARENESS TO ACTION	3
COMM 111	*PUBLIC SPEAKING	3
MTH 241	*CALCULUS FOR MANAGEMENT AND SOCIAL SCIENCE	4
HHS 231	*LIFETIME FITNESS FOR HEALTH	2
Bacc Core: Phys Lab Science		4
Credits		16
Spring		
BA 162	INNOVATION NATION-IDEAS TO REALITY	3

ECON 201	*INTRODUCTION TO MICROECONOMICS	4
WR 222	*ENGLISH COMPOSITION (Bio/Phys Bacc Core Lab Science)	3
Bacc Core: Bio/Phys Lab Science		4
Bacc Core: PAC		1
Credits		15

Second Year		
Fall		
		Credits
ECON 202	*INTRODUCTION TO MACROECONOMICS	4
BA 260	INTRODUCTION TO ENTREPRENEURSHIP	4
BA 281	PROFESSIONAL DEVELOPMENT	3
BA 282	DRAFTING YOUR CAREER BLUEPRINT	1
Bacc Core: Literature and Arts		3
Credits		15

Winter		
		Credits
BA 211	FINANCIAL ACCOUNTING	4
BA 275	FOUNDATIONS OF STATISTICAL INFERENCE	4
BA 283	CREATIVITY, CULTURE, AND THE WORKPLACE	1
Bacc Core: Western Culture		3
Bacc Core: Cultural Diversity		3
Credits		15

Spring		
		Credits
BA 213	MANAGERIAL ACCOUNTING	4
BA 230	BUSINESS LAW I	4
BA 270	BUSINESS PROCESS MANAGEMENT	4
BA 284	FOUNDATIONS OF PERSONAL FINANCE I	1
Elective		2
Credits		15

Third Year		
Fall		
		Credits
BA 311	FRAMING YOUR CAREER PLAN	1
BA 223	PRINCIPLES OF MARKETING	4
BA 375	APPLIED QUANTITATIVE METHODS	4
BA 357	OPERATIONS MANAGEMENT	4
Bacc Core: DPD		3
Credits		16

Winter		
		Credits
BA 312	FOUNDATIONS OF PERSONAL FINANCE II	1
BA 240	FINANCE	4
BA 347	INTERNATIONAL BUSINESS	4
BA 354	*MANAGING ETHICS AND CORPORATE SOCIAL RESPONSIBILITY	4
Bacc Core: CGI		3
Credits		16

Spring		
		Credits
BA 313	THE ORANGE AND BLACK CASE COMPETITION	1
BA 370	BUSINESS INFORMATION SYSTEMS OVERVIEW	4
BA 352	MANAGING INDIVIDUAL AND TEAM PERFORMANCE	4
Bacc Core: STS		3
Elective		1
Credits		13

Fourth Year		
Fall		
		Credits
BA 411	NAVIGATING YOUR WORKPLACE	1
BA 466	INTEGRATIVE STRATEGIC EXPERIENCE	4
BA 451	SUPPLY AND SOURCING MANAGEMENT	3
MGMT 455	INFLUENCE AND NEGOTIATION	4
Elective		4
Credits		16

Winter		
		Credits
BA 412	FINANCIAL PLANNING I	1
BA 478	SUPPLY CHAIN ANALYTICS	3

BA 459	SERVICE OPERATIONS MANAGEMENT	3
MGMT 457	SUPPLY CHAIN STRATEGY	4
BA 456	TECHNOLOGY APPLICATIONS IN SUPPLY CHAIN MANAGEMENT	4
Credits		15
Spring		
BA 413	FINANCIAL PLANNING II	1
BA 454	LEAN ENTERPRISE MANAGEMENT AND CAPSTONE	3
BA 453	SUPPLY CHAIN MODELING AND DECISION ANALYSIS	4
Elective		3
Elective		3
Credits		14
Total Credits		180