SUPPLY CHAIN MANAGEMENT, BS

Contact

Academic Programs, 215 Whitman School of Management, 315-443-2361, whitmanadvising@syr.edu

Effective management of supply chain is critical for business success in today's complex, dynamic and globalized environment. A supply chain is a pipeline of material, information and financial flows, frequently global in scope. It includes not only the organization but also the suppliers, buyers, and others with whom it interacts.

Supply chain management requires a distinctive view of business: procurement, manufacturing, and distribution must be viewed and controlled as a seamless flow. Good supply chain managers eliminate delays, reduce the amount of resources tied up all along the chain, and mitigate potential risks that can disrupt operations. To perform effectively, a company must develop policies to ensure the seamless flow and learn to function with its partners like a single organism.

Students have the opportunity to take various certification exams such as APICS, AST&L and others.

Student Learning Outcomes

In addition to the comprehensive learning outcomes listed in the Whitman School's Undergraduate Education description, students in this major are expected to achieve the following additional learning outcomes:

1. Explain the role of supply chain management in the context of business operations
2. Demonstrate how SCM is interrelated with other functional areas of management (e.g., marketing, finance, and information systems)
3. Apply appropriate techniques used to solve supply chain planning problems
4. Apply modeling, optimization, and analyses tools (e.g., Excel, SAP, etc.) in formulating a problem, solving it, and providing managerially insightful prescriptions
5. Analyze "core competency" in business operations by improving supply chain performance

Major Requirements

The Supply Chain Management, BS degree requires at least 122 credits, distributed as indicated below.

Code	Title	Credits
Junior Year		
SCM 401	Supply Chain and Logistics Management	3
SCM 411	Supply Chain Management Systems	3
SCM 403	Introduction to Management Science	3
Senior Year		
Major electives		6
Business elective		3
Two major electives may be chosen from the following:		
SCM 400	Selected Topics (Two major electives may be chosen from the following:)	
SCM 431	Transportation and Distribution Center Management	
SCM 432	Strategic Sourcing	
SCM 440	Green Supply Chain Management	
SCM 444	Wine Analytics	
SCM 451	Supply Chain Finance	
SCM 455	Lean Six Sigma	
SCM 456	Introduction to Project Management	
SCM 459	The Law of Global Business	
SCM 477	Global Supply Chain Management & Risk Mgmt	
Total Credits		**18**

University-wide Requirements

All incoming and transfer students are required to take a 1-credit FYS 101 First Year Seminar course and a 3-credit IDEA course that can be selected from an approved list (https://coursecatalog.syracuse.edu/undergraduate/idea-course-requirement/).

Quantitative Skills

Code	Title	Credits
MAT 284	Business Calculus	4
MAS 261	Introductory Statistics for Management	3
Science electives (astronomy, biology, chemistry, earth science, physics, or any physical science)		3
BUA 345	Business Analytics for Management Decisions	3
Total Credits		**13**

Communication Skills

Code	Title	Credits
WRT 105	Studio 1: Practices of Academic Writing	3
WRT 205	Studio 2: Critical Research and Writing	3
WRT 307	Advanced Writing Studio: Professional Writing	3
Total Credits		**9**

Required Arts & Sciences Courses

Code	Title	Credits
ECN 101	Introductory Microeconomics	3
PSY 205	Foundations of Human Behavior	3
ECN 102	Introductory Macroeconomics	3
or ECN 203	Economic Ideas and Issues	
Total Credits		**9**

Arts & Science Electives

- 26 credits taken through any subject offered by the College of Arts & Sciences. IDEA courses offered in the College of Arts & Sciences can be taken to fulfill the 3-credit IDEA course requirement. FYS 101 First Year Seminar counts towards 1 required A&S elective credit.

Whitman Required Core Courses

In addition to management coursework taken within other skills areas, students are required to complete the following coursework in the management core:

Code	Title	Credits
Core Courses		
SOM 122	Perspectives of Business and Management (fall only)	3
SOM 181	Foundations of the Future: Business & Technology	1
LPP 255	Introduction to the Legal System	3
ACC 151	Introduction to Financial Accounting	4
ACC 252	Intro to Managerial Acc	3
FIN 256	Principles of Finance	3
MAR 255	Principles of Marketing	3
SCM 265	Introduction to Supply Chain Management	3
MGT 247	Introduction to Strategic Management	3
MGT 248	Managing and Leading People in Organizations	3
SOM 354	Managing in a Global Setting	3
Senior Capstone		
EEE 457	Strategic and Entrepreneurial Management	3
Total Credits		**35**

Business Elective

A business elective is any upper-division course in the Whitman School that gives credit but is not used to fill requirements in other groups. This course cannot be from the student's major area. IDEA courses offered in the Whitman School can be taken to fulfill the 3-credit IDEA course requirement.

Total Credits: 3

Free Electives

Students complete additional credits from any credit-bearing course with the following conditions: no more than 3 credits of physical education, health, or music ensemble may be used; and students may not take courses considered to have content that duplicates courses already taken. IDEA courses taken outside of the College of Arts & Sciences and the Whitman School can be taken to fulfill the 3-credit course requirement.

Total Credits: 12

Global Diversity

Whitman students must have some form of global experience. For most students, this is
achieved through study abroad. Students may also fulfill the requirement with the completion
of two courses from the global diversity electives list (which may fulfill other course
requirements for the degree).

Community Engagement

Students are required to apply their management skills and knowledge to community
problems. This is realized through an unpaid community service project in which 50 hours are
completed throughout the undergraduate experience. Services must be completed at a nonprofit
and requires pre-approval from the Whitman Undergraduate Office.

Internship

Students are required to have at least one internship after they acquire junior standing. The
internship should consist of 120 hours on-site, be a natural extension of the classroom, and
provide substantial opportunity for knowledge attainment and skill development. Exposure to
real job situations related to the students major is required. This internship should be
registered in Handshake and approved by the Whitman Career Center prior to beginning.

Undergraduate University Requirements

The following requirements and experiences apply to all Syracuse University Undergraduate matriculated degree programs.

- IDEA Course Requirement (https://coursecatalog.syracuse.edu/undergraduate/university-requirements/idea-course-requirement/)
- First Year Seminar (https://coursecatalog.syracuse.edu/undergraduate/university-requirements/first-year-seminar/)