

# Supply Chain Management (SCMT)

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J.B. Hunt Transport Department of Supply Chain Management Website  
(<https://walton.uark.edu/departments/supplychain/>)

The J.B. Hunt Transport Department of Supply Chain Management offers an undergraduate major leading to a Bachelor of Science in Business Administration degree. The major is designed to prepare students for careers in carrier management, logistics management, and at retailers or in companies that manufacture, sell, and distribute consumer goods to retailers. There is an emphasis on business process integration and students will learn to apply analytical techniques and use the systems approach in managing the flow of materials into and through the production and manufacturing processes of a firm to its customers. Employment opportunities exist in marketing, sales, and operations positions with carriers in all transportation modes, and in positions with shippers having responsibility in one or more areas under logistics management, warehousing, packaging, and materials handling. Opportunities also exist in governmental agencies.

Students may elect to pursue the B.S.B.A. in Supply Chain Management or a Minor in Supply Chain Management in an online format. Students must apply to the University of Arkansas, Office of Admissions for consideration to enroll in the B.S.B.A. and indicate their interest in the online program on the admissions application. Students are required to submit official transcripts (either high school or college transcripts or both), and an application fee. Students interested in pursuing a minor must notify the Walton College Undergraduate Programs Office.

## Requirements for B.S.B.A. in Supply Chain Management

### Major Course Requirements

SCMT 3443	DELIVER: Transportation and Distribution Management	3
SCMT 3613	SOURCE: Procurement and Supply Management	3
SCMT 3623	PLAN: Inventory and Forecasting Analytics	3
SCMT 3663	MAKE: Supply Chain Process Improvement	3
SCMT 4653	Supply Chain Strategy and Change Management	3
SCMT 3103	Supply Chain Management Internship (Alternative industry-based experiential coursework or work experience may be available as an exception through the SCMT 3103 Internship Application ( <a href="https://walton.formstack.com/forms/scmt3103">https://walton.formstack.com/forms/scmt3103</a> .)	3
Choose three hours from the following:		3
SCMT 3643	International Logistics	
SCMT 3653	Project Management: Supply Chain New Product Planning and Launch	
SCMT 3633	Supply Chain Service and Customer Management	
SCMT 4003H	Honors Supply Chain Management Colloquium	
SCMT 4103	Special Topics in Supply Chain Management	
SCMT 4123	Environmental, Social and Governance Strategies and Operations in Supply Chains	

SCMT 4233	Supply Chain Design and Optimization
SCMT 4633	Supply Chain Performance Management and Analytics

Maximum of 27 hours of SCMT courses in department (core, major, elective). More than 27 hours allowed if the extra courses are part of interdisciplinary minor or collateral track.

**Junior/Senior Business Electives** 15

## Supply Chain Management Eight-Semester Degree Program

Students wishing to follow the eight-semester degree plan for Information Systems should see the Eight-Semester Degree Policy (<http://catalog.uark.edu/undergraduatecatalog/academicregulations/eightsemesterdegreecompletionpolicy/>) in the Academic Regulations chapter for university requirements of the program.

Courses in **BOLD** must be taken in the designated semester. Although other courses listed are not required to be completed in the designated sequence, the recommendations below are preferred.

First Year	Units	
	Fall	Spring
ENGL 1013 Composition I (ACTS Equivalency = ENGL 1013) (Satisfies General Education Outcome 1.1) <sup>3</sup>	3	
<b>MATH 2053 Finite Mathematics (Satisfies General Education Outcome 2.1)</b> <sup>1, 3</sup>	3	
<b>BUSI 1111 Freshman Business Connection</b> <sup>3</sup>	1	
<b>SCMT 2103 Integrated Supply Chain Management</b> <sup>2</sup>	3	
<b>MGMT 2103 Managing People and Organizations</b> <sup>2</sup>	3	
<b>ISYS 1123 Business Application Knowledge - Computer Competency</b> <sup>3</sup>	3	
<b>BLAW 2013 The Legal Environment of Business (ACTS Equivalency = BLAW 2003)</b> <sup>2</sup>		3
<b>COMM 1313 Public Speaking (ACTS Equivalency = SPCH 1003) (Satisfies General Education Outcomes 1.2 and 5.1)</b> <sup>3</sup>		3
<b>ACCT 2013 Accounting Principles</b> <sup>3</sup>		3
<b>BUSI 1033 Data Analysis and Interpretation</b> <sup>3</sup>		3
Satisfies General Education Outcome 3.3:		
ECON 2023 Principles of Microeconomics (ACTS Equivalency = ECON 2203) <sup>3</sup>		3
or ECON 2013 Principles of Macroeconomics (ACTS Equivalency = ECON 2103)		
Year Total:	16	15
Second Year	Units	
	Fall	Spring
ACCT 2023 Accounting Principles II <sup>3</sup>	3	
or SEVI 2053 Business Foundations		
Select one of the following:	3	
ISYS 2103 Business Information Systems <sup>2</sup>		
FINN 2043 Principles of Finance <sup>2</sup>		
MKTG 3433 Introduction to Marketing <sup>2</sup>		
Satisfies General Education Outcome 3.3:		

ECON 2013 Principles of Macroeconomics (ACTS Equivalency = ECON 2103) or ECON 2023 Principles of Microeconomics (ACTS Equivalency = ECON 2203)	3	
ENGL 1023 Composition II (ACTS Equivalency = ENGL 1023) (Satisfies General Education Outcome 1.1)	3	
Fine Arts/Humanities - State Minimum Core (Satisfies General Education Outcome 3.1 or 3.2) <sup>5, 6</sup>	3	

Social Sciences - State Minimum Core (Satisfies General Education Outcomes 3.3 and 4.1, as well as the Social Issues, Multicultural Environment and Demographic Diversity Requirement) <sup>4</sup>	3	
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**MATH 2043 Survey of Calculus (ACTS Equivalency = MATH 2203)<sup>3</sup>**

3 hours general education elective	3	
Select one of the following:	3	
ISYS 2103 Business Information Systems <sup>2</sup>	3	
FINN 2043 Principles of Finance <sup>2</sup>	3	
MKTG 3433 Introduction to Marketing <sup>2</sup>	3	
Science - State Minimum Core (Satisfies General Education Outcome 3.4)	4	

<b>ALL pre-business requirements should be met by end of term</b>		
Year Total:	15	16

Third Year		Units
	Fall	Spring

Select one of the following:	3	
ISYS 2103 Business Information Systems <sup>2</sup>		
FINN 2043 Principles of Finance <sup>2</sup>		
MKTG 3433 Introduction to Marketing <sup>2</sup>		
Science - State Minimum Core (Satisfies General Education Outcome 3.4)	4	
<b>SCMT 3443 DELIVER: Transportation and Distribution Management</b>	3	
<b>SCMT 3613 SOURCE: Procurement and Supply Management</b>	3	
3000/4000 level SCMT course from elective courses	3	
<b>SCMT 3623 PLAN: Inventory and Forecasting Analytics</b>	3	
SEVI 3013 Strategic Management (Satisfies General Education Outcome 6.1)	3	
SCMT 3103 Supply Chain Management Internship	3	
Junior/Senior Business Elective	3	
U.S. History or Government - State Minimum Core (Satisfies General Education Outcome 4.2)	3	
Year Total:	16	15

Fourth Year		Units
	Fall	Spring

<b>SCMT 3663 MAKE: Supply Chain Process Improvement</b>	3	
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Junior/Senior Business Elective	6	
General Education Electives	6	
SCMT 4653 Supply Chain Strategy and Change Management		3
Junior/Senior Business Electives		6
Fine Art/Humanities - State Minimum Core (Satisfies General Education Outcome 3.1 or 3.2)		3
Year Total:	15	12

<b>Total Units in Sequence:</b>		<b>120</b>
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- <sup>1</sup> Students have demonstrated successful completion of the learning indicators identified for learning outcome 2.1, by meeting the prerequisites for MATH 2053.
- <sup>2</sup> Must be completed prior to SEVI 3013.
- <sup>3</sup> Must be completed prior to taking any 3000 or 4000 level business courses.
- <sup>4</sup> The Social Sciences Elective courses which satisfy General Education Outcomes 3.3 and 4.1, as well as the Social Issues, Multicultural Environment, and Demographic Diversity Requirement include: ANTH 1023, HIST 1113, HIST 1123, SOCI 2013, SOCI 2013H, or SOCI 2033.
- <sup>5</sup> The Fine Arts Elective courses which satisfy the General Education Outcome 3.1 include: ARCH 1003, ARHS 1003, COMM 1003, DANC 1003, LARC 1003, MLIT 1003, MLIT 1003H, MLIT 1013, MLIT 1013H, MLIT 1333, THTR 1003, THTR 1013, or THTR 1013H.
- <sup>6</sup> The Humanities Elective courses which satisfy the General Education Outcome 3.2 include: AAST 2023, ANTH 1033, ARCH 1013, CLST 1003, CLST 1003H, CLST 1013, COMM 1233, DANC 1003, ENGL 1213, GNST 2003, HIST 1113, HIST 1113H, HIST 1123, HIST 1123H, HIST 2003, HIST 2013, HUMN 1124H, HUMN 2213, LALS 2013, MRST 2013, MUSY 2003, MUSY 2003H, PHIL 2003, PHIL 2003C, PHIL 2003H, PHIL 2103, PHIL 2103C, PHIL 2303, THTR 1003, THTR 1013, THTR 1013H, WLIT 1113, WLIT 1123, or intermediate-level world language (usually 2003-level).

## Supply Chain Management Minor for Business Students

The Department of Supply Chain Management offers a minor for Walton College students desiring more knowledge of supply chain management to assist them in their careers. The minor requires the completion of 15 hours of study from the following courses:

SCMT 3443	DELIVER: Transportation and Distribution Management	3
SCMT 3613	SOURCE: Procurement and Supply Management	3
	Plus an additional nine hours of approved 3000/4000 level SCMT courses	9
<b>Total Hours</b>		<b>15</b>

Students who desire to earn a Supply Chain Management minor must notify the Walton College Undergraduate Programs Office of intent to pursue a minor. All requirements for the minor must be completed prior to the awarding of the student's undergraduate degree. All specific course prerequisites must be met. Each student must have a 2.00 cumulative

grade-point average in the courses offered for the minor. All upper level minor requirements must be taken in residence.

## Faculty Courses

### **SCMT 2103. Integrated Supply Chain Management. 3 Hours.**

An introduction to integrated supply chain management. Core capabilities in plan, source, make, deliver, service/customer management, new product design, strategy, governance, project management, performance management, technology enablement, and supply chain finance are explored to provide students with a comprehensive cross-functional view of demand-driven value networks. Corequisite: Walton College students: MATH 2053 or MATH 2554 each with a grade of C or better. Prerequisite: Non-business students: BUSI 1033, ACCT 2013 and (ECON 2013 or ECON 2023), all with a grade of C or better. (Typically offered: Fall and Spring)

### **SCMT 2103H. Honors Integrated Supply Chain Management. 3 Hours.**

An introduction to integrated supply chain management. Core capabilities in plan, source, make, deliver, service/customer management, new product design, strategy, governance, project management, performance management, technology enablement, and supply chain finance are explored to provide students with a comprehensive cross-functional view of demand-driven value networks. Corequisite: Walton College students: MATH 2053 or MATH 2554 with a grade of C or better and honors standing. Prerequisite: Non-business students: BUSI 1033, ACCT 2013 and (ECON 2013 or ECON 2023), all with a grade of C or better and honors standing. (Typically offered: Fall and Spring)  
This course is equivalent to SCMT 2103.

### **SCMT 3103. Supply Chain Management Internship. 3 Hours.**

This experience is designed to give students an internship opportunity to combine their formal academic preparation with an exposure to the supply chain profession. Prerequisite: Department consent, completion of pre-business core, junior standing, and SCMT 2103 with a grade of C or better. (Typically offered: Fall, Spring and Summer)

### **SCMT 3103H. Honors Supply Chain Management Internship. 3 Hours.**

This experience is designed to give students an internship opportunity to combine their formal academic preparation with an exposure to the supply chain profession. Prerequisite: Department consent, completion of pre-business core, junior standing, honors standing and SCMT 2103 with a grade of C or better. (Typically offered: Fall, Spring and Summer)  
This course is equivalent to SCMT 3103.

### **SCMT 3443. DELIVER: Transportation and Distribution Management. 3 Hours.**

Management of functional delivery and customer service capabilities in demand-driven value networks. Applicable interfaces with enabling capabilities such as governance, performance management, analytics, and technology enablement are evaluated. Prerequisite: ((ECON 2013 and ECON 2023) or ECON 2143) and SCMT 2103 with a grade of C or better. (Typically offered: Fall and Spring)

### **SCMT 3613. SOURCE: Procurement and Supply Management. 3 Hours.**

This course covers the critical sourcing and procurement processes: strategic sourcing, source to pay, and supplier relationship management. Additionally, it covers innovative efforts to grow sourcing contribution to demand-driven supply chain integration, including sustainability, technology, and risk management. Prerequisite: ((ECON 2013 and ECON 2023) or ECON 2143) and SCMT 2103 with a grade of C or better. (Typically offered: Fall and Spring)

### **SCMT 3623. PLAN: Inventory and Forecasting Analytics. 3 Hours.**

The intent of this course is to rigorously examine two key elements of logistics: inventory control and forecasting. Coverage of the former topic specifically focuses on inventory control methods for stochastic demand and lead times. Besides a review of the associated theoretical bases, the implementation of such policies in Excel is a central component of the course. Forecasting topics covered in this course include a review of a variety of forecasting techniques and forecast error measurement. Moreover, the linkage between forecasting and inventory control is discussed. As with inventory control, students will learn how to implement various forecasting techniques in Excel. Prerequisite: ((ECON 2013 and ECON 2023) or ECON 2143) and SCMT 2103 with a grade of C or better. (Typically offered: Fall and Spring)

### **SCMT 3633. Supply Chain Service and Customer Management. 3 Hours.**

Management of supply chain service quality, relationships, and customer segmentation in demand-driven value networks. Applicable cross-functional interfaces, performance measurement, and integration opportunities for boundary spanning supply chain professionals are discussed with emphasis on value-added behavioral exchange dynamics. Prerequisite: SCMT 3613. (Typically offered: Irregular)

### **SCMT 3643. International Logistics. 3 Hours.**

Logistics activities in international business with special emphasis on international sourcing and distribution channels, international transportation, import and export procedures, international sale and payment terms, and documentation. Special emphasis is placed on current events and their effect on the management of operations of U.S.-based organizations. Prerequisite: ((ECON 2013 and ECON 2023), or ECON 2143) and SCMT 2103 with a grade of C or better. (Typically offered: Fall and Spring)

### **SCMT 3653. Project Management: Supply Chain New Product Planning and Launch. 3 Hours.**

Applies principles and tools of project management to supply chain industry projects in the new product development launch process to ensure alignment with supply chain processes. Experiential learning in collaborative team settings facilitate new product development and launch solutions to demand-driven value network problems. Prerequisite: ((ECON 2013 and ECON 2023) or ECON 2143) and SCMT 2103 each with a grade of C or better. (Typically offered: Fall and Spring)

### **SCMT 3663. MAKE: Supply Chain Process Improvement. 3 Hours.**

The course focuses on the fundamental concepts, techniques, and tools for managing production and improving business processes across the supply chain, in both manufacturing and service contexts. Philosophies, principles, approaches, and techniques students will learn and experience in this course include Lean, Total Quality Management, Theory of Constraints, Practical Scientific Thinking, and Toyota Kata. Prerequisite: SCMT 2103 with a grade of C or better. (Typically offered: Fall and Spring)

### **SCMT 4003H. Honors Supply Chain Management Colloquium. 3 Hours.**

Explores events, concepts and/or new developments in the field of Supply Chain Management. Prerequisite: Honors standing and ((ECON 2013 and ECON 2023) or ECON 2143) and SCMT 2103 each with a grade of C or better. (Typically offered: Irregular) May be repeated for up to 6 hours of degree credit.

### **SCMT 4103. Special Topics in Supply Chain Management. 3 Hours.**

Special topics in supply chain management not available in other courses. Topics are selected by the supply chain faculty for each semester each course is offered. Prerequisite: ((ECON 2013 and ECON 2023) or ECON 2143) and SCMT 2103 each with a grade of C or better. (Typically offered: Irregular)

**SCMT 4113. Supply Chain Management Executive in Residence. 3 Hours.**

The focus of this course will be executive viewpoints in supply chain management as it relates to relational skill development. The growth of supply chain management has resulted in the need for relational skills and capabilities for supply chain professionals. The purpose of the course is to help students identify not only the current issues of the industry, but also gather various viewpoints about the topics. Each week, an executive will speak with students on a topic of his or her choice. The goal is to allow a broad collection of issues to be presented by and to the students. Prerequisite: ((ECON 2013 and ECON 2023) or ECON 2143) and SCMT 2103 each with a grade of C or better. (Typically offered: Fall and Spring)

**SCMT 4123. Environmental, Social and Governance Strategies and Operations in Supply Chains. 3 Hours.**

Environmental, Social and Governance (ESG) issues can carry significant supply chain challenges, risks, and opportunities. This course focuses on the relationship between ESG and supply chain planning, sourcing, manufacturing and service operations and logistics. Topics may include values-based leadership; globalizing social and environmental sustainability; diversity, inclusion and ethics across the supply chain; and voluntary product standards and governance, stakeholder engagement, reverse logistics, humanitarian logistics, ethical sourcing, transparency, innovation, resource scarcity, waste reduction, carbon emissions, and human rights across the extended supply network. Prerequisite: ((ECON 2013 and ECON 2023) or ECON 2143) and SCMT 2103 each with a grade of C or better. (Typically offered: Irregular)

**SCMT 4233. Supply Chain Design and Optimization. 3 Hours.**

This course focuses on supply chain network design and the underlying strategies needed to manage a supply chain as business conditions change and evolve. The purpose of this course is to provide the student with supply chain design thinking skills that they can employ to design solutions that optimize supply chain performance considering costs, constraints, and structure. The course is a combination of lecture and supply chain optimization case studies (network, transportation, and inventory). Prerequisite: SCMT 3443 and SCMT 3623. (Typically offered: Fall and Spring)

**SCMT 4633. Supply Chain Performance Management and Analytics. 3 Hours.**

Integrates the strategic directives and successful execution by using supply chain performance management and analytics to drive supply chains from end-to-end. Examines and applies data analytics and visualization tools to better manage conflicting supply chain objectives and trade-offs. Prerequisite: SCMT 2103 with a grade of "C" or better. (Typically offered: Fall and Spring)

**SCMT 4653. Supply Chain Strategy and Change Management. 3 Hours.**

Evaluate and select appropriate supply chain strategies and change management approaches for business situations. This capstone course leverages plan, source, make, deliver, customer service, and new product development capabilities to meet strategic and financial goals in demand-driven networks. Prerequisite: SCMT 3443, SCMT 3613 and SCMT 3623. (Typically offered: Fall and Spring)

**SCMT 466V. Independent Study in Supply Chain Management. 1-3 Hour.**

Permits students to explore selected topics in supply chain management, logistics and transportation. Prerequisite: ((ECON 2013 and ECON 2023) or ECON 2143) and SCMT 2103 each with a grade of C or better. (Typically offered: Fall and Spring)

**SCMT 4853. Cross-Sector Collaboration for Sustainability. 3 Hours.**

This course explores how organizations in the three sectors of society work together in value creation by addressing social and environmental problems manifest in global supply chains. Focusing on business and nonprofit organizations, we investigate the forces that bring about and influence these collaborations from practical and theoretical perspectives. Prerequisite: ((ECON 2013 and ECON 2023) or ECON 2143) and SCMT 2103 each with a grade of C or better. (Typically offered: Spring)