

Supply Chain Management (SCMT)

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Department Chair

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Supply Chain Management Department Website (<https://supplychain.uark.edu>)

The Department of Supply Chain Management offers an undergraduate major leading to a Bachelor of Science in Business Administration degree. The major in supply chain management has two concentrations: Transportation and Logistics, and Retail Supply Chain Management.

The transportation and logistics concentration is designed to prepare students for careers in carrier management and logistics management. Carrier management is the management of domestic and international modes of transportation. Logistic management applies analytical techniques and uses the systems approach in managing the flow of materials into and through the production and manufacturing processes of a firm to its customers. Basic 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.

The retail supply chain management concentration is designed to prepare students for careers at retailers or in companies that manufacture, sell, and distribute consumer goods to retailers. Analytical techniques and the total cost approach will be applied in managing the flow of materials through production and distribution processes and to retailers. There will be an emphasis on business process integration.

Supply Chain Management Major Requirements

Major Course Requirements	24
SCMT 3443 Transportation and Distribution Management	3
SCMT 3613 Supply Management	3
SCMT 3623 Advanced Inventory Management and Forecasting	3
SCMT 3643 International Transportation and Logistics	3
SCMT 4653 Supply Chain Strategy	3
Concentration Hours	9
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	12
Total Hours	60

Transportation and Logistics Concentration

SCMT 4633 Logistics Provider and Carrier Management	3
Plus two classes from the following:	6
ECON 4633 International Trade	
ECON 4643 International Macroeconomics and Finance	
FINN 3703 International Finance	

ISYS 2263	Principles of Information Systems
ISYS 3293	Systems Analysis and Design
ISYS 4213	ERP Fundamentals
ISYS 4243	Current Topics in Computer Information
ISYS 4293	Business Intelligence
MGMT 4583	International Management
MKTG 3633	Marketing Research
MKTG 4343	Selling and Sales Management
MKTG 4433	Retail Strategy
MKTG 4633	Global Marketing
SCMT 3633	Behavioral Supply Chain Management
SCMT 4003H	Honors Supply Chain Management Colloquium

Total Hours

9

Supply Chain Management B.S.B.A. with Transportation and Logistics Eight-Semester Degree Program:

Students wishing to follow the eight-semester degree plan 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. Courses in ITALIC may be taken in varied sequences as long as other designated requirements for these courses are met. 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)	3	
MATH 2053 Finite Mathematics	3	
COMM 1313 Public Speaking (ACTS Equivalency = SPCH 1003)	3	
WCOB 1111 Freshman Business Connection	1	
BLAW 2013 The Legal Environment of Business (ACTS Equivalency = BLAW 2003) ¹	3	
ISYS 1120 Computer Competency Requirement	0	
U.S. History or Political Science – University Core	3	
ENGL 1023 Composition II (ACTS Equivalency = ENGL 1023)		3
ACCT 2013 Accounting Principles		3
WCOB 1033 Data Analysis and Interpretation		3
ECON 2023 Principles of Microeconomics (ACTS Equivalency = ECON 2203)		3
Natural Science – University Core		4
Year Total:	16	16

Second Year	Units	
	Fall	Spring
MGMT 2053 Business Foundations or ACCT 2023 Accounting Principles II	3	
ISYS 2103 Business Information Systems ¹	3	

MATH 2043 Survey of Calculus (ACTS Equivalency = MATH 2203) ²	3	
Social Science – University Core	3	
Fine Art/Humanities – University Core	3	
SCMT 2103 Introduction to Supply Chain Management		3
MGMT 2103 Managing People and Organizations ¹		3
ECON 2013 Principles of Macroeconomics (ACTS Equivalency = ECON 2103) ²		3
Fine Art/Humanities – University Core		3
Natural Science – University Core		4
ALL pre-business requirements should be met by end of term		
Year Total:	15	16

Third Year	Units	
	Fall	Spring
FINN 3043 Principles of Finance ¹	3	
MKTG 3433 Introduction to Marketing ¹	3	
SCMT 3443 Transportation and Distribution Management	3	
SCMT 3613 Supply Management	3	
Collateral from a Single Area	3	
SCMT 3643 International Transportation and Logistics		3
MGMT 3013 Strategic Management		3
Collateral from a Single Area		3
Junior/Senior Business Electives		3
General Education Electives		3
Year Total:	15	15

Fourth Year	Units	
	Fall	Spring
SCMT 3623 Advanced Inventory Management and Forecasting	3	
SCMT 4633 Logistics Provider and Carrier Management	3	
Junior/Senior Business Elective	3	
General Education Electives	6	
SCMT 4653 Supply Chain Strategy		3
Junior/Senior Business Elective		6
General Education Electives		3
Year Total:	15	12

Total Units in Sequence: 120

¹ Must be completed prior to MGMT 3013.
² Must be completed prior to taking any 3000 or 4000 level business courses.

Supply Chain Management Major Requirements

Major Course Requirements	24
SCMT 3443 Transportation and Distribution Management	3

SCMT 3613 Supply Management	3
SCMT 3623 Advanced Inventory Management and Forecasting	3
SCMT 3643 International Transportation and Logistics	3
SCMT 4653 Supply Chain Strategy	3
Concentration Hours	9
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	12
Total Hours	60

Retail Supply Chain Management Concentration

SCMT 3653 Retail Supply Chain Analysis	3
Plus two courses from the following:	6
ECON 4743 Introduction to Econometrics	
ECON 4753 Forecasting	
ISYS 4293 Business Intelligence	
ISYS 4213 ERP Fundamentals	
MKTG 3633 Marketing Research	
SCMT 3633 Behavioral Supply Chain Management	
SCMT 4003H Honors Supply Chain Management Colloquium	
Total Hours	9

Supply Chain Management B.S.B.A. with a concentration in Retail Supply Chain Management

Eight-Semester Degree Program:

Students wishing to follow the eight-semester degree plan should see Eight Semester Degree Policy in the Academic Regulations chapter for university requirements of the program.

Courses in BOLD must be taken in the designated semester. Courses in ITALIC may be taken in varied sequence as long as other designated requirements for these courses are met. 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)	3	
MATH 2053 Finite Mathematics	3	
COMM 1313 Public Speaking (ACTS Equivalency = SPCH 1003)	3	
WCOB 1111 Freshman Business Connection	1	
BLAW 2013 The Legal Environment of Business (ACTS Equivalency = BLAW 2003) ¹	3	
ISYS 1120 Computer Competency Requirement	0	
U.S. History or Political Science-University Core	3	
ENGL 1023 Composition II (ACTS Equivalency = ENGL 1023)		3
ACCT 2013 Accounting Principles		3
WCOB 1033 Data Analysis and Interpretation		3

ECON 2023 Principles of Microeconomics (ACTS Equivalency = ECON 2203)	3	
Natural Science		4
Year Total:	16	16

Second Year	Units	
	Fall	Spring
MGMT 2053 Business Foundations or ACCT 2023 Accounting Principles II	3	
ISYS 2103 Business Information Systems ¹	3	
MATH 2043 Survey of Calculus (ACTS Equivalency = MATH 2203) ²	3	
Social Science - University Core	3	
Fine Arts/Humanities - University Core	3	
SCMT 2103 Introduction to Supply Chain Management ¹		3
MGMT 2103 Managing People and Organizations ¹		3
ECON 2013 Principles of Macroeconomics (ACTS Equivalency = ECON 2103) ²		3
Fine Arts/Humanities - University Core		3
Natural Science - University Core		4
Year Total:	15	16

Third Year	Units	
	Fall	Spring
FINN 3043 Principles of Finance ¹	3	
MKTG 3433 Introduction to Marketing ¹	3	
SCMT 3443 Transportation and Distribution Management	3	
SCMT 3613 Supply Management	3	
Collateral course from a single area	3	
SCMT 3643 International Transportation and Logistics		3
MGMT 3013 Strategic Management		3
Collateral course from a single area		3
Junior/Senior Business Electives		3
General Education Electives		3
Year Total:	15	15

Fourth Year	Units	
	Fall	Spring
SCMT 3623 Advanced Inventory Management and Forecasting	3	
SCMT 3653 Retail Supply Chain Analysis	3	
Junior/Senior Business Elective	3	
General Education Electives	6	
SCMT 4653 Supply Chain Strategy		3
Junior/Senior Business Electives		6
General Education Electives		3
Year Total:	15	12

Total Units in Sequence:	120
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¹ Must be completed prior to MGMT 3013.

² Must be completed prior to taking any 3000 or 4000 level business courses.

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	Transportation and Distribution Management	3
SCMT 3613	Supply Management	3
Select three classes from the following:		9
ISYS 4213	ERP Fundamentals	
SCMT 3623	Advanced Inventory Management and Forecasting	
SCMT 3633	Behavioral Supply Chain Management	
SCMT 3643	International Transportation and Logistics	
SCMT 3653	Retail Supply Chain Analysis	
SCMT 4003H	Honors Supply Chain Management Colloquium	
SCMT 4103	Special Topics in Supply Chain Management	
SCMT 4123	Sustainable Logistics and Supply Chain Management	
SCMT 4633	Logistics Provider and Carrier Management	
SCMT 4653	Supply Chain Strategy	
SCMT 4853	Cross-Sector Collaboration for Sustainability	

Students may also use up to 3 hours of a Walton College Study Abroad course (WCOB 330V) in Panama or China and/or 3 hours of cooperative education (WCOB 310V) in supply chain management toward the minor.

Total Hours	15
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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.

Aloysius, John, Ph.D. (Temple University), B.S. (University of Colombo, Sri Lanka), Professor, 1995.

Bechtel, Don, B.A. (Lebanon Valley College), Instructor, 2006.

Esper, Terry L., Ph.D., M.B.A. (University of Arkansas), B.A. (Philander Smith College), Associate Professor, 2013.

Fugate, Brian, Ph.D., M.B.A., B.S. (University of Tennessee), Professor, 2015.

Garcia-Dastugue, Sebastian, Ph.D., M.A. (The Ohio State University), M.B.A. (Instituto de Altos Estudios, Universidad Austral), Clinical Assistant Professor, 2015.

Hofer, Christian, Ph.D. (University of Maryland University College), B.A. (European School of Business), Associate Professor, 2007.

Hyatt, David Graham, M.B.A., B.S.B.A. (University of Arkansas), Clinical Associate Professor, 2011.

Kent, John, Ph.D. (University of Tennessee), M.B.A. (University of Dallas), B.S. (Henderson State University), Clinical Associate Professor, 2014.

Murphey, William C., M.S. (National Defenses University), M.A. (George Washington University), Instructor, 2014.

Rossiter-Hofer, Adriana, Ph.D. (University of Maryland-College Park), M.S. (Federal University of Rio de Janeiro, Brazil), B.S. (Federal University of Pernambuco, Brazil), Associate Professor, 2008.

Scott, Marc, Ph.D. (North Dakota State University), M.S., B.S. (South Carolina State University), Clinical Assistant Professor, 2016.

Shook, Carole, M.S.B.A., B.S.B.A. (University of Arkansas), Instructor, 1999.

Sodero, Annibal Camara, Ph.D. (Arizona State University), M.S.C. (Warkwick University), B.S.C. (UFMG-Brazil), Assistant Professor, 2013.

Thomas, Rodney W., Ph.D., M.B.A. (University of Tennessee), B.S.B.A. (Greensboro College), Associate Professor, 2017.

Thomas, Stephanie, Ph.D. (Georgia Southern University), M.B.A., B.A. (University of Tennessee), Clinical Assistant Professor, .

Van Hoek, Remko, Ph.D. (University of Utrecht), M.B.A.(London School of Economics), B.S.B.A. (Vanderbilt University), Clinical Full Professor, 2018.

Waller, Matthew A., Ph.D., M.S. (Pennsylvania State University), B.S. (University of Missouri–Columbia), Professor, 2002.

Williams, Brent D., Ph.D., M.S. (University of Arkansas), B.A. (Lyon College), Associate Professor, 2011.

Courses

SCMT 2103. Introduction to Supply Chain Management. 3 Hours.

An introduction to supply chain management. All functional areas of supply chain management are explored to provide students an end-to-end view of supply chain management processes. Pre- or Corequisite: ISYS 2103. Prerequisite: WCOB 1033 and ECON 2023 each with a grade of C or better.

SCMT 2103H. Honors Introduction to Supply Chain Management. 3 Hours.

An introduction to supply chain management. All functional areas of supply chain management are explored to provide students an end-to-end view of supply chain management processes. Pre- or Corequisite: ISYS 2103. Prerequisite: WCOB 1033 and ECON 2023 each with a grade of C or better.

This course is equivalent to SCMT 2103.

SCMT 3443. Transportation and Distribution Management. 3 Hours.

Examines modes of freight transportation and institutional factors that influence transportation decisions; regulation, public policy, other governmental variables reviewed in detail. Additionally, distribution aspects of the logistics function within the firm such as warehousing, cross-docking, and distribution center management are explored. Prerequisite: (ECON 2013 and ECON 2023) or ECON 2143.

SCMT 3613. Supply Management. 3 Hours.

Management of tactical and strategic sourcing relationships including supply aspects of the logistics function within the firm such as purchasing, procurement, forecasting, inventory control, quality, sustainability and negotiation. Prerequisite: (ECON 2013 and ECON 2023) or ECON 2143.

SCMT 3623. Advanced Inventory Management and Forecasting. 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: SCMT 3613.

SCMT 3633. Behavioral Supply Chain Management. 3 Hours.

Effective supply chain management requires an understanding of people who make supply chain decisions. This course will expose students to behavioral issues in supply chain and logistics. Readings will be assigned weekly, with a focus on practical implications. There will be an emphasis on experiential learning and teams of students will work on course projects in the area of the retail supply chain, broadly defined. Prerequisite: SCMT 3613.

SCMT 3643. International Transportation and 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.

SCMT 3653. Retail Supply Chain Analysis. 3 Hours.

This course examines the various function components of retail supply chain management and focuses on analysis and metrics required to effectively manage a retail supply chain. The purpose of this course is to introduce students to the various aspects of retail supply chain management. In this course, the students will learn to speak of the "language" of retailing and acquire the skills to effectively analyze the performance of retail supply chains. Prerequisite: (ECON 2013 and ECON 2023) or ECON 2143.

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

Explores events, concepts and/or new developments in the field of Supply Chain Management. Prerequisite: Junior standing. 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: Junior standing.

SCMT 4123. Sustainable Logistics and Supply Chain Management. 3 Hours.

Explores key sustainability concepts across supply chain functions of supply management, operations, and distribution. Course topics include values-based leadership, globalizing sustainability, marketing sustainability, voluntary product standards and governance, stakeholder engagement, reverse logistics, humanitarian logistics, and transportation. Overall, we will consider the feasibility and role of firms in producing sustainability in global supply chains.

SCMT 4633. Logistics Provider and Carrier Management. 3 Hours.

Reviews special management techniques and analytical framework available for solving problems associated with companies whose core competencies include distribution and transportation modes of truck, rail, air, water, pipeline and intermodal. Prerequisite: SCMT 3443.

SCMT 4653. Supply Chain Strategy. 3 Hours.

Design and management of supply chain systems for firms of varying size and different supply and market conditions. This capstone course relies heavily on computer assisted cases and lectures from visiting executives. Prerequisite: SCMT 3443 and SCMT 3613 and SCMT 3623.

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

Permits students to explore selected topics in supply chain management, logistics and transportation.

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: Junior Standing.