

LOGISTICS AND SUPPLY CHAIN MANAGEMENT

Bachelor of Business Administration

The Bachelor of Business Administration in Logistics and Supply Chain Management degree focuses on designing, managing, and improving networks through which organizations and individuals obtain, use, deliver, and dispose of material goods; acquire and distribute services; and make their offerings available to markets, customers, and clients all over the world. Reverse logistics flows include reuse, reclamation, and recycling of goods at the end of their product life. Managing these flows of goods and services within inter-connected global networks builds value for organizations. Students will prepare for careers in transportation, logistics, purchasing, production, and freight management, along an organization's global supply chain, for jobs as a Global Commodities Director, Logistics Manager, Material Flow Coordinator, Purchasing Manager, Strategic Sourcing Manager, and Supply Chain Analyst.

Supply chain professionals oversee the process in which materials, information and finances flow from supplier to consumer. This process involves global communication and collaboration between many organizations within the supply chain.

The need for supply chain management graduates continues to increase. Many organizations rely on LSCM graduates to create efficiency both inside and outside the organization. The responsibilities of a supply chain professional can include product development, sourcing, production management, warehouse management, logistics and transportation collaboration and information systems development.

This program is offered as a night program.

Area A: Essential Skills

ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
Choose one MATH: *		3
MATH 1101	Intro to Mathematical Modeling	
or MATH 1111	College Algebra	
or MATH 1113	Precalculus Mathematics	

Area B: Institutional Options

COMM 1110	Fundamentals of Speech *	3
One of the following electives:		1
COMM 1120	Argumentation and Advocacy	
ENGL 1105	Intro to Greek Mythology	
ENGL 1110	Creative Writing	
GEOL 1000	Natural Hazards	
HIST 1050	Appalachian Hist-Special Topic	
HIST 1051	Sports Hist & Amer Character	
HLTH 1030	Health and Wellness Concepts	
HUMN 1000	Mystery Fiction in Pop Culture	
HUMN 1100	Political and Social Rhetoric	
HUMN 1300	Christian Fiction/Pop Culture	
SOCI 1000	Race and Ethnicity in America	
PRSP Elective (See advisor)		

Area C: Humanities/Fine Arts

Choose one to two ENGL course(s):	3-6
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ENGL 2000	Topics in Literature & Culture	
ENGL 2111	World Literature I	
ENGL 2112	World Literature II	
ENGL 2120	British Literature I	
ENGL 2121	British Literature II	
ENGL 2130	American Literature I	
ENGL 2131	American Literature II	
ENGL 2201	Intro to Film as Literature	
If only one ENGL course chosen, add one of the following:		0-3
ARTS 1100	Art Appreciation	
HUMN 1201	Expressions of Culture I	
HUMN 1202	Expressions of Culture II	
MUSC 1100	Music Appreciation	
MUSC 1110	World Music	
MUSC 1120	American Music	
THEA 1100	Theatre Appreciation	

Area D: Science/Mathematics/Technology

Eight Credit Hours of Lab Science Electives:		8
ASTR 1010 & 1010L	Astronomy of the Solar System and Astronomy of Solar Sys. Lab	
ASTR 1020 & 1020L	Stellar and Galactic Astronomy and Stellar & Galac. Astronomy Lab	
BIOL 1105K	Environmental Studies	
BIOL 1107K	Principles of Biology I	
BIOL 1108K	Principles of Biology II	
BIOL 1203K	Principles of Botany	
BIOL 1224K	Entomology	
CHEM 1151K	Survey of Chemistry	
CHEM 1211K	Principles of Chemistry I	
CHEM 1212K	Principles of Chemistry II	
GEOL 1121K	Principles of Geology	
GEOL 1122K	Historical Geology	
GEOL 1131K	Geology & the Environment	
PHYS 1111K	Introductory Physics I	
PHYS 1112K	Introductory Physics II	
PHYS 2211K	Principles of Physics I	
PHYS 2212K	Principles of Physics II	

One of the following electives: * 3-4

MATH 2181	Applied Calculus	
MATH 2253	Calculus and Analytic Geom I	
MATH 2254	Calculus and Analytic Geom II	

Area E: Social Sciences

HIST 2111	United States History to 1877	3
or HIST 2112	United States Hist since 1877	
POLS 1101	American Government	3
ECON 2105	Principles of Macroeconomics *	3
One of the following electives:		3
ANTH 1103	Intro to Cultural Anthropology	
GEOG 1100	Introduction to Geography	
GEOG 1101	Intro to Human Geography	
GEOG 1111	Intro to Physical Geography	
HIST 1111	World Civilization to 1500 CE	

HIST 1112	World Civilization since 1500
HIST 2111	United States History to 1877
HIST 2112	United States Hist since 1877
PHIL 1103	Intro to World Religions
PHIL 2010	Intro to Philosophical Issues
PHIL 2020	Logic and Critical Thinking
POLS 2101	Intro to Political Science
POLS 2201	State and Local Government
POLS 2301	Comparative Politics
POLS 2401	International Relations
PSYC 1101	Introduction to Psychology
PSYC 2101	Psychology of Adjustment
PSYC 2103	Human Development
SOCI 1101	Introduction to Sociology
SOCI 1160	Social Problems

Area F: Major Related *

(2.25 GPA required.)

ACCT 2101	Principles of Accounting I	3
ACCT 2102	Principles of Accounting II	3
BUSA 2106	The Environment of Business	3
BUSA 2201	Fundamentals of Computer Appli	3
BUSA 2850	Business Statistics	3
ECON 2106	Principles of Microeconomics	3

Business Core*

BUSA 3055	Quantitative Analysis Bus Prob	3
BUSA 3060	Business Law	3
BUSA 3070	Business Ethics	3
BUSA 3301	Business Communications	3
BUSA 3351	International Business	3
BUSA 3701	Prof Development Seminar	1
FINC 3056	Principles of Finance	3
LSCM 3251	Principles of Supply Chain Mng	3
MARK 3010	Principles of Marketing	3
MGIS 3351	Principles Mgmt Info Systems	3
MNGT 3051	Principles of Management	3

Logistics and Supply Chain Management Core*

LSCM 4253	Integrated Material/Supply Chn	3
LSCM 4288	Logistics	3
LSCM 4503	Quality Management Systems	3
LSCM 4701	Global Strat Supply Chain Mngt	3
MGIS 4580	Supply Chain Management System	3

Logistics and Supply Chain Management Electives*

Choose two of the following electives:		6
BUSA 3532	Bus Analytics/Data Mining	
BUSA 3360	Business Negotiation Skills	
LSCM 4255	Business Process Simulations	
LSCM 4900	LSCM Internship	
MATH 4502	Statistics for Process Control	
MNGT 4380	Project Management	
MGIS 3356	Database Management Systems	

Only one LSCM 4900 is accepted as a major elective.

Upper Division Electives*

Select any two 3000-4000 level Business course not already required or taken for degree program. 6

MATH 4502 is allowed for all business students as an upper division elective.

Only one internship is accepted as an upper-division elective.

Senior Requirement*

MNGT 4701 Strategic Management +

Physical Education

PHED Activity Elective 1

Total Hours 122-123

* Grade of C or higher required.

+ Course must completed at Dalton State College during graduation term. If a student is graduating in the summer semester the course must be taken in the spring term.

Courses**LSCM 3251. Principles of Supply Chain Mng. 3-0-3 Units.**

Introduces students to an organization's resources and processes in its efforts to create products or services. The set of resources planned and managed includes the work force, equipment, materials and information. Topics include coverage of operations strategy and managing change, product design, process selection and planning, and controlling the supply chain. (F (Day & Evening), S (Day & Evening), M (Online))
Prerequisites: BUSA 2850, COMM 1110, ENGL 1102, and earn a C in all prerequisite business courses before moving to subsequent courses.

LSCM 3257. Object Oriented Programming. 3-0-3 Units.

Uses structured programming language for problems related to supply chain management. Emphasis is placed upon development of remote execution programming through LAMP paradigm. Topics include integrated use of operating systems, specialized server software, database and object oriented programming languages applied to problems related to supply chain management.(As Needed)
Prerequisites: BUSA 2201, and earn a C in all prerequisite business course before moving to subsequent courses.

LSCM 4253. Integrated Material/Supply Chn. 3-0-3 Units.

Examines the technology, tools, and practices of modern integrated materials sourcing and logistics. Topics include distribution requirements planning, continuous replenishment, just-in-time, and efficient replenishment. (S (Evening))
Prerequisites: LSCM 3251, and earn a C in all prerequisite business course before moving to subsequent courses.

LSCM 4255. Business Process Simulations. 3-0-3 Units.

Covers the basic techniques for computer simulation modeling and analysis of business processes in manufacturing and service industries. Course emphasis is on conceptualizing abstract models of real-world systems (for example, inventory or queuing systems), implementing simulations in Excel and special purpose software (ProModel), production planning and control simulation studies, experimental design, and analyzing simulation output. (F (Online))
Prerequisites: BUSA 3055, LSCM 3251, and earn a C in all prerequisite business course before moving to subsequent courses.

LSCM 4256. Application Programming SCM. 3-0-3 Units.

Combines database theory and techniques such as tables, queries, forms, reports, and sequential programming with optimization theory to create user friendly applications to support supply chain management. (As Needed)

Prerequisites: BUSA 2850, and earn a C in all prerequisite business course before moving to subsequent courses.

LSCM 4288. Logistics. 3-0-3 Units.

Examines the fundamental elements of channel systems and various institutions that utilize such systems. Distribution models that describe different industries will be investigated. These models will include ways to assess the legal environment and how price is impacted by channel relationships. (F (Evening)) .

Prerequisites: LSCM 3251, and earn a C in all prerequisite business course before moving to subsequent courses.

LSCM 4503. Quality Management Systems. 3-0-3 Units.

Examines the continuous quality management and improvement philosophy. Topics include strategic management, quality assessment, teams, the role of leadership, lean manufacturing, tools for improving, quality processes, techniques for charting attribute and variable data, Statistical Process Control, Six-Sigma, and lean manufacturing. (F (Day), S (Evening))

Prerequisites: MNGT 3051 and LSCM 3251, and earn a C in all prerequisite business course before moving to subsequent courses.

LSCM 4580. Supply Chain Management System. 3-0-3 Units.

Covers the major components of supply chain management systems that support the major supply chain activities such as planning, sourcing, production, material flow, inventory management, and delivery. Students will have hands-on experience with a commercial-grade supply chain management system.

Prerequisites: Upper Division Eligibility, BUSA 3055, MARK 3010, MGIS 3351 and LSCM 3251.

LSCM 4700. Independent Study LSCM. 0-0-3 Units.

Supervised, in-depth individual research and study of one or more current topics in Logistics and Supply Chain Management in conjunction with an associated major project. Students will be required to prepare a formal report and presentation of the research topic and project. (F, S, M)

Prerequisites: LSCM 3251, and earn a C in all prerequisite business course before moving to subsequent courses.

LSCM 4701. Global Strat Supply Chain Mngt. 3-0-3 Units.

This course will provide students with current and emerging textbook theories about global SCM strategies along with participation in a cumulative live case study experience for the Operations and Supply Chain Management Major. Students will use the knowledge gained in the previous courses in Logistics and Supply Chain Management to develop operational strategies for business applications. The case project will allow students to solve practical problems at a manufacturing/service firm with faculty supervision. Student teams will address significant operational problems and identify improvement opportunities. Teams will write recommendation/implementation reports, oversee pilot/full-scale implementations when feasible, and make presentations of their work to faculty and members of the companies involved. (S (Evening))

Prerequisites: Have completed 9 hours of upper division coursework, completed or concurrently taking LSCM 4253 and LSCM 4288, and earn a C in all prerequisite business course before moving to subsequent courses.

LSCM 4800. Special Topics LSCM. 3-0-3 Units.

Examines current, relevant topics in the field of Logistics and Supply Chain Management. Each special topics course will cover a new current topic. (F, S, M)

Prerequisites: LSCM 3251, and earn a C in all prerequisite business course before moving to subsequent courses.

LSCM 4900. LSCM Internship. 0-0-3 Units.

Provides students with on-site work experience in Logistics and Supply Chain Management through a coordinated academic internship experience with a pre-approved employer. A portfolio chronicling the work experience, a project relating relevant academic literature to the Operations Management internship experience, and a final presentation encompassing the entire internship experience are required to receive academic credit. (FS,M)

Prerequisites: LSCM 3251 (Grade of "B" or Better), plus an additional 3 credit hours of upper division MNGT or LSCM, and 3 credit hours of any upper division business course, and earn a C in all prerequisite business course before moving to subsequent courses.