

Supply Chain Management

Supply Chain Management Suggested Course Sequence

The following is the suggested plan for when to take each course to complete the Associate in Applied Science degree, based on the program requirements of the 2023-2024 catalog. This is only a recommendation — you may take courses in another order upon consultation with your advisor. This plan is based on you starting with college-level math and English courses, starting your program in the fall, and attending full-time. You can also follow this sequence if you attend part-time. Speak with your academic advisor about the plan and any questions. This program might also offer diplomas or certificates; visit the catalog or contact the program for details. Visit the Academic Advising page for instructions on locating your assigned advisor: <https://www.cpsc.edu/academics/academic-advising>

| Term I | | Credits |
|--|---|-----------|
| BUS 110 | Introduction to Business | 3.0 |
| CIS 110 | Introduction to Computers | 3.0 |
| ENG 111 | Writing and Inquiry | 3.0 |
| LOG 110 | Introduction to Logistics | 3.0 |
| ACA 122 | College Transfer Success | 1.0 |
| LOG 125 | Transportation Logistics | 3.0 |
| Credits | | 16 |
| Term II | | Credits |
| LOG 215 | Supply Chain Management | 3.0 |
| BUS 137 | Principles of Management | 3.0 |
| BUS 115 | Business Law I | 3.0 |
| INT 110 | International Business | 3.0 |
| MAT 143 or MAT 152 | Quantitative Literacy or Statistical Methods I | 3.0 |
| Credits | | 15 |
| Term III | | Credits |
| ENG 112 or COM 231 | Writing and Research in the Disciplines or Public Speaking | 3.0 |
| Credits | | 3 |
| Term IV | | Credits |
| ECO 151 or ECO 251 or ECO 252 | Survey of Economics or Principles of Microeconomics or Principles of Macroeconomics | 3.0 |
| MKT 120 | Principles of Marketing | 3.0 |
| LOG 235 | Import/Export Management | 3.0 |
| LOG 240 | Purchasing Logistics | 3.0 |
| LOG 250 | Advanced Global Logistics | 4.0 |
| You may have completed program certificate C25620-C1. Confirm eligibility with your academic advisor. | | |
| Credits | | 16 |
| Term V | | Credits |
| ACC 120 | Principles of Financial Accounting | 4.0 |
| Behavioral/Social Science | | 3.0 |
| SPA 111 or FRE 111 or GER 111 | Elementary Spanish I or Elementary French I or Elementary German I | 3.0 |
| SPA 181 or FRE 181 or GER 181 | Spanish Lab 1 or French Lab 1 or German Lab 1 | 1.0 |
| Humanities/Fine Arts | | 3.0 |

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|----------------------|-----------------------|-----------|
| WBL 111 | Work-Based Learning I | 1.0 |
| Credits | | 15 |
| Total Credits | | 65 |

LOG 110. Introduction to Logistics. 3.0 Credits. Class-3.0. Clinical-0.0. Lab-0.0. Work-0.0

This course provides an overview of logistics. Topics include traffic management, warehousing, inventory control, material handling, global logistics, and the movement and storage of goods from raw materials sources to end consumers. Upon completion, students should be able to identify the different segments of logistics and use the terminology of the industry.

LOG 120. Global Logistics. 3.0 Credits. Class-3.0. Clinical-0.0. Lab-0.0. Work-0.0

This course examines logistics operations, processes, and modes of transportation in an interdependent world economy. Emphasis is placed on freight forwarding operations, analyzing and selecting transportation modes, and processing of import/export documentation. Upon completion, students should be able to arrange and coordinate the transportation of products globally.

Prerequisites: Take LOG 110

LOG 125. Transportation Logistics. 3.0 Credits. Class-3.0. Clinical-0.0. Lab-0.0. Work-0.0

This course covers the role and importance of the transportation industry. This is an overview of transportation emphasizing its environmental and sociological aspects, economic impact, services, regulatory guidelines, policies, and its future. Upon completion, students should be able to identify modes of transportation, interpret governing regulations, and describe the principles and terminology used in the transportation industry.

Prerequisites: Take 1 group: Take DRE 097 or DRE 098; Take EFL 111 EFL 112; Take ENG 111; Take ENG 002

LOG 210. Fleet Management. 3.0 Credits. Class-3.0. Clinical-0.0. Lab-0.0. Work-0.0

This course covers the management of transportation, fleet operations, and safety. Emphasis is placed on DOT safety regulations in the hiring, training, and supervision of drivers in transportation. Upon completion, students should be able to write a safety program for drivers involved in interstate commerce following DOT regulations.

Prerequisites: Take LOG 110

LOG 211. Distribution Management. 3.0 Credits. Class-2.0. Clinical-0.0. Lab-2.0. Work-0.0

This course covers the functions, techniques, and tools utilized in warehousing and distribution centers and their role in business and logistics. Emphasis is placed on warehouse and distribution center management, operations, productivity, software systems, picking, automation, cross docking, safety, security, material handling, benchmarking, and cost. Upon completion, students should be able to describe the role of warehouses and distribution centers, apply industry principles and terminology, and understand distribution productivity measures.

Prerequisites: Take LOG 110

LOG 215. Supply Chain Management. 3.0 Credits. Class-3.0.

Clinical-0.0. Lab-0.0. Work-0.0

This course covers all activities involved in the flow of products and information between the suppliers, customers, producers, and service providers. Topics include acquiring, purchasing, manufacturing, assembling, and distributing goods and services throughout the supply chain organizations. Upon completion, students should be able to identify the supply chain units and describe the materials management processes.

Prerequisites: Take LOG 110

LOG 220. Logistics Management. 3.0 Credits. Class-3.0. Clinical-0.0.

Lab-0.0. Work-0.0

This course covers the management of the movement and storage of goods and analysis of total costs involved. Emphasis is placed on the monitoring of inventory using automated systems, managing the storage function, warehousing, and distribution. Upon completion, students should be able to describe warehousing and facility layouts, identify material handling methods, and apply inventory control procedures. LOG 220 is a unique concentration requirement of the logistics management concentration in the business administration program.

Prerequisites: Take LOG 110

LOG 230. Transportation Management. 3.0 Credits. Class-3.0.

Clinical-0.0. Lab-0.0. Work-0.0

This course covers the function of shippers and carriers in the transportation industry. Emphasis is placed on negotiating price and service requirements in the movement of goods, identifying areas of carrier liability, and the methods for processing claims. Upon completion, students should be able to compare common carriers and company operated transportation for service and cost, interpret pricing structures, and determine carrier liability. LOG 230 is a requirement of the Logistics Management concentration in the Business Administration program.

Prerequisites: Take LOG 110

LOG 235. Import/Export Management. 3.0 Credits. Class-3.0.

Clinical-0.0. Lab-0.0. Work-0.0

This course introduces the elements of import and export operations, from transportation to documentation, finance, and security and the effects on the global supply chain. Emphasis is placed on existing import/export regulations, customs documentation, intermodal transportation, foreign freight forwarders, global technology, and homeland security initiatives. Upon completion, students should be able to perform import/export operations, channels of distribution, implemented technologies, and associate with operating a secure supply chain.

Prerequisites: Take LOG 125

LOG 240. Purchasing Logistics. 3.0 Credits. Class-3.0. Clinical-0.0.

Lab-0.0. Work-0.0

This course introduces the various aspects of purchasing, and their impact on materials management, supply chain, transportation, and global logistics processes. Emphasis is placed on the different methods of electronic sourcing, negotiating and pricing principles, and on the internal and external considerations associated with international logistics. Upon completion, students should be able to describe and apply the principles and terminology used in procurement including electronic data interchange services, purchasing and logistics systems.

Prerequisites: Take LOG 110

LOG 250. Advanced Global Logistics. 4.0 Credits. Class-3.0.

Clinical-0.0. Lab-2.0. Work-0.0

This course covers the advanced application of global operations and logistics strategies, planning, technology, risk, and management necessary to cope with the global business environment. Emphasis is placed on an in-depth understanding of global sourcing, shipping, tracking, and e-logistics systems necessary to operate inbound/outbound logistics in a global market. Upon completion, students should be able to identify the different global markets and logistics technology available to process international inbound/outbound logistics transactions.

Prerequisites: Take LOG 125