

SUPPLY CHAIN MANAGEMENT, CERTIFICATE

Requirements for an undergraduate certificate may be completed at any campus location offering the specified courses for the certificate.

Program Description

The certificate program in logistics and supply chain management introduces you to key concepts in the field, such as systems analysis, trade-off analysis, transport systems, procurement, inventory management, and supply chain integration and strategy. The program provides an overview of logistics and supply chain management and addresses the needs of manufacturers, wholesalers, retailers, merchandisers, transportation and warehousing firms, and government agencies. The implications of e-commerce in relation to supply chain management are also explored.

What is Supply Chain Management?

Supply chain management pertains to the flow of goods and services. It includes the movement and storage of raw materials, work-in-process inventory, and finished goods from point of origin to point of consumption.

You Might Like This Program If...

- You enjoy thinking about process and organization within business.
- You want an introduction to supply chain management that you can earn in a short time.
- You want to add supply chain skills to your major program of study.

Program Requirements

To earn an undergraduate certificate in Supply Chain Management, a minimum of 12 credits is required.

Code	Title	Credits
Prescribed Courses		
SCM 301	Supply Chain Management	3
SCM 320	Transport Systems	3
SCM 416	Warehousing and Terminal Management	3
SCM 460	Purchasing and Materials Management	3

Prerequisites Required.

Certificate Learning Objectives

- **Facility Planning and Warehouse Management:** Students will be able to identify and develop a model for an efficient warehouse layout with regards to flow, relationships and space utilization.
- **Inventory Management:** Students will be able to demonstrate knowledge of theories used to maintain a balance between demand and supply for an organization.
- **Logistic Networks:** Students will be able to understand transportation and the transportation environment, as well as, the strategic role transportation systems play in the supply chain.
- **Planning and Control:** Students will be able to demonstrate knowledge of the processes used in demand management, sales and operations planning plus master scheduling to control the actions that a business follows to meet their strategic objectives.

- **Purchasing:** Students study the role procurement has in managing suppliers and can describe the impact that sourcing decisions have on the continued effectiveness of supply chain relationships.
- **Supply Chain Management:** Students will be able to identify concepts, principles and methodologies used in managing supply chain relationships.
- **Technology:** Students will be introduced to applications that support various areas of managing a supply chain and can demonstrate knowledge of how these applications function.

Academic Advising

The objectives of the university's academic advising program are to help advisees identify and achieve their academic goals, to promote their intellectual discovery, and to encourage students to take advantage of both in-and out-of class educational opportunities in order that they become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising relationship succeed. By encouraging their advisees to become engaged in their education, to meet their educational goals, and to develop the habit of learning, advisers assume a significant educational role. The advisee's unit of enrollment will provide each advisee with a primary academic adviser, the information needed to plan the chosen program of study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy/>)

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