**Delgado Logistics: Gateway to Careers**

This program and these online courses are designed for these student groups:

* For students with no logistics experience
* For students working in the logistics industry seeking continuing education for career advancement
* For military transitioning to civilian employment and those serving in the national guard and armed forces reserve units
* For dual enrollment high school students considering career options

**Industry Based Certifications**

* Each course of this program offers an industry based certification exam. Each certification track can be taken on its own to earn one certification. Multiple certifications can be earned in any order. Each certification track allows the learner to obtain a foundational understanding of the best practices and processes associated with each topic. The certification exams are based on the course content and the quizzes in each logistics course. For the Fall 2016 and Spring 2017 semesters, these exams are offered at no charge.
* **LINCS** (Leveraging, Integrating, Networking, Coordinating Supplies) is a national supply chain management education and certification program. It is administered by a consortium of colleges and universities led by a national team from Broward College in Fort Lauderdale, Florida. The Council for Supply Chain Management Professionals (CSCMP) is the official LINCS industry partner and certifying body for the certifications.
* These certification tracks include eight topics in Supply Chain Management. This is the list of the Delgado Logistics courses and the industry based certification(s) for each course. The curriculum in the certification tracks listed below is intended for those who have entry- to mid-level experience.

**Delgado Online Course Related Industry Based Certifications**

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| MANG 206 Introduction to Logistics  (2 certifications available) | Supply Chain Management Principles  Customer Service Operations |
| MANG 208 Transportation Management | Transportation Operations |
| MANG 220 Operations Management | Manufacturing & Service Operations |
| MANG 229 Supply Chain Management | Procurement |
| MANG 230 Warehouse and Inventory Management  (2 certifications available) | Warehouse Operations  Inventory Management |
| MANG 265 Manufacturing Logistics | Demand Planning |

**Delgado Logistics Course Objectives**

The following are the learning objectives for the courses offered by the Delgado Community College Logistics program. All courses are delivered online.

**MANG 206 Introduction to Logistics**

* Logistics management: an overview
* Logistics environments
* Supply chain management
* Global logistics
* Logistics information systems
* Inventory in the logistics system
* Inventory decision making
* The transportation system
* Transportation management
* Warehousing decisions
* Material handling and packaging
* Facility location
* Logistics quality
* Organization of the logistics function
* Logistics strategy

**MANG 208 Transportation Management**

* Understand basic terminology and transport operations in the context of today’s business environment.
* Demonstrate the ability to critically analyze the effectiveness of transportation management and transport mode selection processes.
* Demonstrate the ability to recognize areas for improvement in transportation management operations.
* Demonstrate the ability to understand the cause and effect of each mode of transportation on the business operation.
* Understand physical and economic issues related to each of the different transportation modes.
* Understand the effect of transportation upon the entire supply chain.
* Understand the importance of strategic alliances and the impact of centralized versus decentralized networks.
* Understand basic international issues involved in transportation. Research, document, and prepare written case studies in support of logistics activities and related regulatory compliance issues.

**MANG 220 Operations Management**

* Discuss operations and operations management as a competitive advantage for the organization.
* Compare and contrast difference sourcing strategies including outsourcing and insourcing.
* Discuss the influences of the global competitive environment on operations management.
* Discuss the role of operations management in corporate social responsibility and sustainability.
* Describe the goals and stages of project management.
* Describe the major approaches to sales and operations planning.
* Discuss the total cost of quality and compare the common methods of managing quality.
* Apply basic statistical process control (SPC) methods.
* Describe the major approaches to sales and operations planning.
* Explain options for managing bottlenecks and managing capacity in service and manufacturing processes.
* Discuss factors affecting location decision and describe common methods for location selection.
* Describe the main types of operations processes and layouts in manufacturing and in services
* Understand the importance of supply chain management with respect to effective and efficient human resources.
* Compare common approaches to supply chain design.
* Discuss options for measuring supply chain performance.
* Compare the advantages and disadvantages of common inventory systems.
* Describe the stages of short-term and long-term scheduling
* Apply the process of material requirements planning (MRP)
* Describe the advantages and disadvantages of various production strategies such as lean.

**MANG 229 Supply Chain Management**

* Discuss the development of supply chain management in leading organizations and understand its contributions to their financial viability.
* Recognize how logistics affects customer service, corporate performance, and competitive advantage.
* Understand the impact of logistics on the economy and how efficient and effective logistics management contributes to the vitality of the economy.
* Understand the complexity of a global supply chain network and what questions need to be addressed for the global supply chain to be competitive.
* Understand the scope and importance of supply chain performance measurement.

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**MANG 230 Warehouse and Inventory Management**

* Explain warehousing, material management, logistics and supply chain terms.
* Demonstrate understanding of warehouse operations.
* Solve warehouse layout and operations issues facing industry today.
* Explain the total supply chain management and function in distribution.
* Explain and understand the interaction of warehousing and materials management.
* Identify key benchmark areas for warehouse operations.
* Recognize the issues facing the warehousing industry in the past, current and future.
* Explain, understand and identify key issues in warehouse and materials management within the supply chain.
* Students will identify the key areas of warehouse operations. The primary function is to give the students a clear understanding of the vast warehouse industry.