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Logistics Engineering Technology

Join the next generation of supply chain problem solvers with a degree in Logistics Engineering Technology (LET) from Columbus State Community College.

COLUMBUS STATE
COMMUNITY COLLEGE



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Logistics Engineering Technology—a new multidisciplinary degree program from Columbus State



Central Ohio is home to one of the nation’s largest and fastest-growing supply chain sectors, and there is a critical need for a highly trained and knowledgeable workforce.

Columbus State’s new multidisciplinary program in Logistics Engineering Technology combines coursework from the college’s Supply Chain Management, Information Technology (IT), and Engineering Technologies programs into a two-year associate degree—one of the only programs of its type in the country.

Central Ohio’s workforce needs are changing

The supply chain industry has been greatly affected by the infusion of new technologies such as robotics, data tracking, analytics and autonomous vehicles. New technologies lead to new opportunities to design and create more efficient systems and processes that can improve an organization’s productivity.

The associate degree program in Logistics Engineering Technology has been developed in partnership with more than 20 Central Ohio employers to meet the region’s growing talent needs.

SmartColumbus

In 2016, Columbus was awarded the US Department of Transportation’s \$40 million SmartCity Grant. The resulting initiative, SmartColumbus, has since raised more than \$400 million through private-public partnerships with the shared vision of changing the way Columbus does business and competing globally through smart logistics.

Career opportunities are numerous and rewarding

Logistics engineering is an extremely diverse field, with career paths in a number of companies in the U.S. and abroad. The Logistics Engineering Technology program at Columbus State can prepare traditional students for new careers in logistics, as well as help adult students retrain to advance their careers in warehousing, distribution, transportation, and manufacturing settings. Some positions may include:

Supply chain managers analyze and coordinate an organization’s supply chain—the system that moves a product from supplier to consumer. They manage the entire lifecycle of a product, which includes how a product is acquired, distributed, allocated, and delivered. Median career pay in Ohio is \$69,500 per year.

Industrial engineering technicians help industrial engineers implement designs to use personnel, materials, and machines effectively—in factories, stores, healthcare organizations, repair shops, and offices. They prepare machinery and equipment layouts, plan workflows, conduct statistical production studies, and analyze production costs. Median career pay in Ohio is \$49,130 per year.

Operations systems analysts use advanced mathematical and analytical methods to help organizations investigate complex issues, identify and solve problems, and make better decisions. Operations analysts spend more of their time in offices, although some conduct site inspections before doing their analysis. Median career pay in Ohio is \$79,420 per year.

The Logistics Engineering Technology curriculum

Columbus State has a highly successful 20-year history of teaching students in Supply Chain Management, including supply chain technology, transportation, and logistics management.

Columbus State’s supply chain management coursework aligns with the Council of Supply Chain Management Professionals (CSCMP) SCPro Fundamentals Certifications, preparing students to earn up to four industry-recognized credentials.

Students will hone their critical thinking skills through case studies, simulations and the application of industrial engineering principles.

Hands-on learning takes place in a laboratory settings that feature technologies including motors, programmable logic controllers, and network systems.

Coursework in networking, programming, and database fundamentals teach advanced computer and data analysis skills. An internship is embedded into the program to increase students’ problem solving skills and employment opportunities.

COURSE TOPICS INCLUDE:

Supply Chain Management

- IT in Logistics
- Warehouse Management
- Inventory Management

Engineering Technology

- Engineering Graphics
- Industrial and Systems Engineering
- Electric Motors, Controls, and Programmable Logic Controllers

Information Technology (IT)

- Programming Logic
- Industrial Networking
- Database Fundamentals

■ The logistics industry in Central Ohio consists of over 4,100 companies and employs 80,000 individuals (9% of the region’s total workforce).

■ Columbus is within a 10-hour drive of 161.1 million people in the U.S. and Canada—the highest of any major U.S. distribution center.

■ The top 5 logistics companies in Central Ohio employ more than 19,000 individuals.

■ L Brands Inc., Cardinal Health, Defense Supply Center Columbus, Abercrombie and Fitch, Gap Inc., DHL Supply Chain, and United Parcel Services Inc. are among Columbus’s largest logistics employers.

■ Employment in the field of logistics is projected to grow 22% by 2020.