



**For more information contact:**  
Logistics Engineering Technology  
Columbus State Community College  
[csc.edu/LET](http://csc.edu/LET)

Lee Blyth, Professor  
Logistics Engineering Technology  
[lblyth@csc.edu](mailto:lblyth@csc.edu) | (614) 287-5175

Tara McCarron, Program Coordinator  
Logistics Engineering Technology  
[tmccarron@csc.edu](mailto:tmccarron@csc.edu) | (614) 287-5903

Monique Carney, Program Coordinator  
Logistics Engineering Technology  
[mcarney8@csc.edu](mailto:mcarney8@csc.edu) | (614) 287-2233

# Logistics Engineering Technology

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

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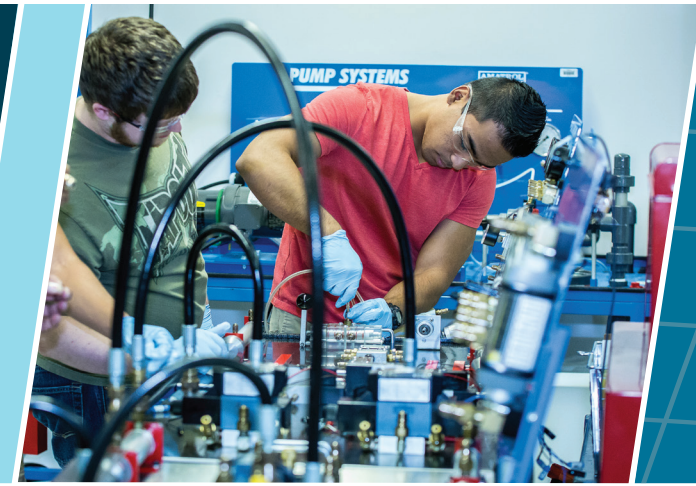
**COLUMBUS STATE**  
COMMUNITY COLLEGE



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**COLUMBUS STATE**  
LOGISTICS ENGINEERING  
TECHNOLOGY

# 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, Computer Science, and Engineering Technologies programs into a two-year associate degree curriculum that is the first of its kind in the region.

## 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, and analytics. 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.**

## 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 is \$73,870 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 is \$53,370 per year.

**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 is \$76,660 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.

The new Logistics Engineering Technology associate degree program combines coursework from Supply Chain Management, Computer Science, and Engineering Technologies departments, making it the first degree program of its kind in the region.

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

Students will learn in hands-on laboratory settings that feature technologies including motors, programmable logic controllers, and conveyors.

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

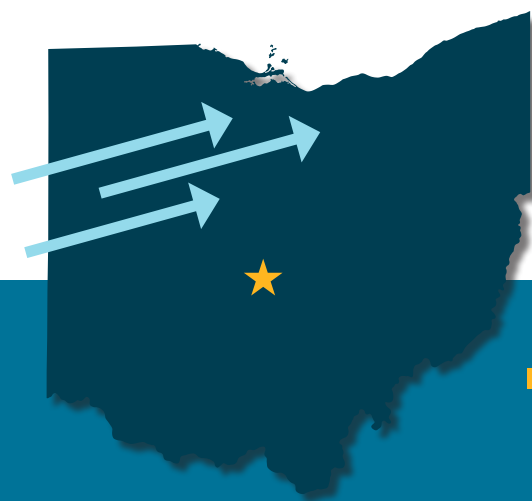
- IT in Logistics
- Warehouse Management
- Inventory Management

#### Engineering Technology

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

#### Computer Science

- Programming Logic
- Industrial Networking
- Database Fundamentals



■ Columbus' logistics industry employ nine percent of the region's workforce, or 80,000 individuals.

■ The Columbus region is home to more than 4,000 logistics organizations.

■ The top five logistics companies employ more than 19,000 individuals.

■ The logistics field is projected to grow 22 percent by 2020.