



**Connected by land, sea and air**

◀ Columbus is within 500 miles of multiple national and international hubs, giving the Central Ohio region a distinct advantage in the efficient movement of goods. Interstate highways, rail connections and air cargo routes all intersect at Rickenbacker Inland Port, 10 miles south of Columbus.



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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.**

# 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 offers one of the country’s only multidisciplinary programs in Logistics Engineering Technology, which combines coursework from the college’s Supply Chain Management, Information Technology (IT), and Engineering Technologies programs into a two-year associate degree.

## 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.

## 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 setting that features 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.

## LET Work Study

An important aspect of the LET program is the completion of an internship to augment classroom/lab learning with hands-on industry experience. One way to complete this requirement is by participating in the optional LET Work Study Program.

After two semesters of content-heavy classroom/lab instruction, students choosing to participate in the Work Study Program will interview with partner companies. Work Study placement lasts three semesters, and students work 20-25 hours a week. Positions encompass various logistics engineering fields including supply chain management, engineering, and information technology.

Students bring valuable skills to their work study position and continue honing them on the job with the guidance of an assigned mentor. In addition, students learn the processes and environment of the company, which can make them ideal candidates for full-time positions after graduation.

### Prior Learning

College credits earned in high school, previous college, military or other sources.

COURSEWORK

OPTIONAL WORKSTUDY CAREER PREP

### ASSOCIATE DEGREE—SAMPLE PLAN OF STUDY

Summer	Semester 1 (Autumn)	Semester 2 (Spring)	Semester 3 (Summer)	Semester 4 (Autumn)	Semester 5 (Spring)
Work Study Orientation	First Year Experience	SCM/IT Engineering technical classes	Classes 2 days a week: SCM/IT Engineering technical classes	Classes 2 days a week: SCM/IT Engineering technical classes	Classes 2 days a week: SCM/IT Engineering technical classes
	SCM/IT Engineering technical classes	General education class	General education/elective class	General education/elective class	General education/elective class
	General education class				
Logistics site visits	Career readiness coaching	Work Study interviews	Work Study 3 days a week	Work Study 3 days a week	Work Study 3 days a week

### Work Study Benefits

#### For LET Students:

- Gain real-world experience in logistics engineering fields.
- Work a schedule that’s ideal for work/school balance.
- Earn \$11-15 an hour while still in school.
- Graduate as a top candidate for high-wage, in-demand jobs.

#### For Work Study Employers:

- Partner companies have direct input into the LET program, to assure that students develop the specific skills they need.
- LET students bring skills to the job from day one of their work study position.
- Work study students are motivated employees who have demonstrated initiative and a commitment to continue learning.
- Employers have a direct pipeline to highly skilled candidates for full-time positions.

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

■ 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.

■ Adoption of robotics and automation in supply chain is predicted to reach 73% by 2023. (Materials Handling Institute, 2018)