

**National Science Foundation Advanced Technological Education  
Collaboration Of Midwest Professionals for Logistics Engineering Technology Education  
(COMPLETE) Project**

**Total: \$569,998 (\$268,000 for CSCC)**

**Project Period: 10/01/2018 to 09/30/2021**

**PI: Jeremy Banta, Columbus State (Lead)**

**Co-PI: Ned Young, Sinclair Community College**

**Co-PI: Robert Sompolski, Oakton Community College**

**COLUMBUS STATE**  
COMMUNITY COLLEGE



### **Project Overview**

The Collaboration of Midwest Professionals for Logistics Engineering Technology Education (COMPLETE) Project is a consortium of community colleges in the Midwest region that are leaders in the logistics field. The project, led by Columbus State Community College (Columbus, Ohio), Oakton Community College (Des Plaines, Illinois), and Sinclair Community College (Dayton, Ohio), in collaboration with university and high school partners and several industry representatives across the Midwest, will expand pathways for next-generation logistics engineering technicians in the region. The COMPLETE Project integrates three key components of industry knowledge: **technology applications** (e.g. programming, data mining and simulation modeling) with **engineering systems** (e.g. automation systems, controls logic, electro-mechanical and industrial engineering) and how these technologies **integrate** into supply chain (warehouse, transportation, and procurement) operations. The primary audience to be affected is two-year college students.

### **Deliverables:**

The main project goal is to provide technician education by expanding career pathways for logistics engineering technicians to support the increasingly complex technology needs of the supply chain sector.

1. To expand current logistics engineering technology **curriculum** and establish replication framework.
2. To develop an **innovation network** that focuses on LET emerging technologies in logistics.
3. To lead a **professional development** initiative for high school and college faculty about LET programming and careers.
4. To create a **best practices protocol** for returning learner outreach and use of prior learning assessment.

The project will be disseminated through multiple means. The PIs will create a comprehensive project website with the ability for discussion and interaction with educators, potential students, and advisors, and integrated social media outreach including Facebook, Twitter, and LinkedIn. Physical materials, such as brochures and flyers, will be distributed at all partner campuses and regional centers, at partner high schools, and university campuses and centers. Regional publications and workforce organizations will assist in communication efforts to help build the student base for the program. The PI, Co-PIs, and Senior Personnel will actively disseminate information about project activities, publications, research findings, and logistics engineering technology to other community colleges looking to replicate the pathway.

### **Partners:**

- Alien Technology
- Boar's Head
- Central Ohio Compact
- CDO Technologies
- Columbus Chamber of Commerce
- Columbus Region Logistics Council
- Dayton Chamber of Commerce
- Franklin County Veterans Services
- Honda Logistics North America
- Marysville School District
- Metro Institute of Technology
- Middletown City School District
- Military Veterans Resource Center
- Montgomery County Developmental Services
- National Center for Supply Chain Automation
- NSERVE
- ODW Logistics
- Ohio Dominican University
- Payless
- Spectrum Brands
- Stratum Global