

The background of the entire image is a dark, blue-tinted photograph of an industrial facility. It features several large, white robotic arms (likely KUKA) mounted on a complex metal framework. The scene is dimly lit, with some light reflecting off the metallic surfaces and the joints of the robots. The overall atmosphere is technical and modern.

COLUMBUS STATE
COMMUNITY COLLEGE

Logistics Engineering Technology

Jeremy Banta and Chris Dennis

YOUR CAREER STARTS HERE

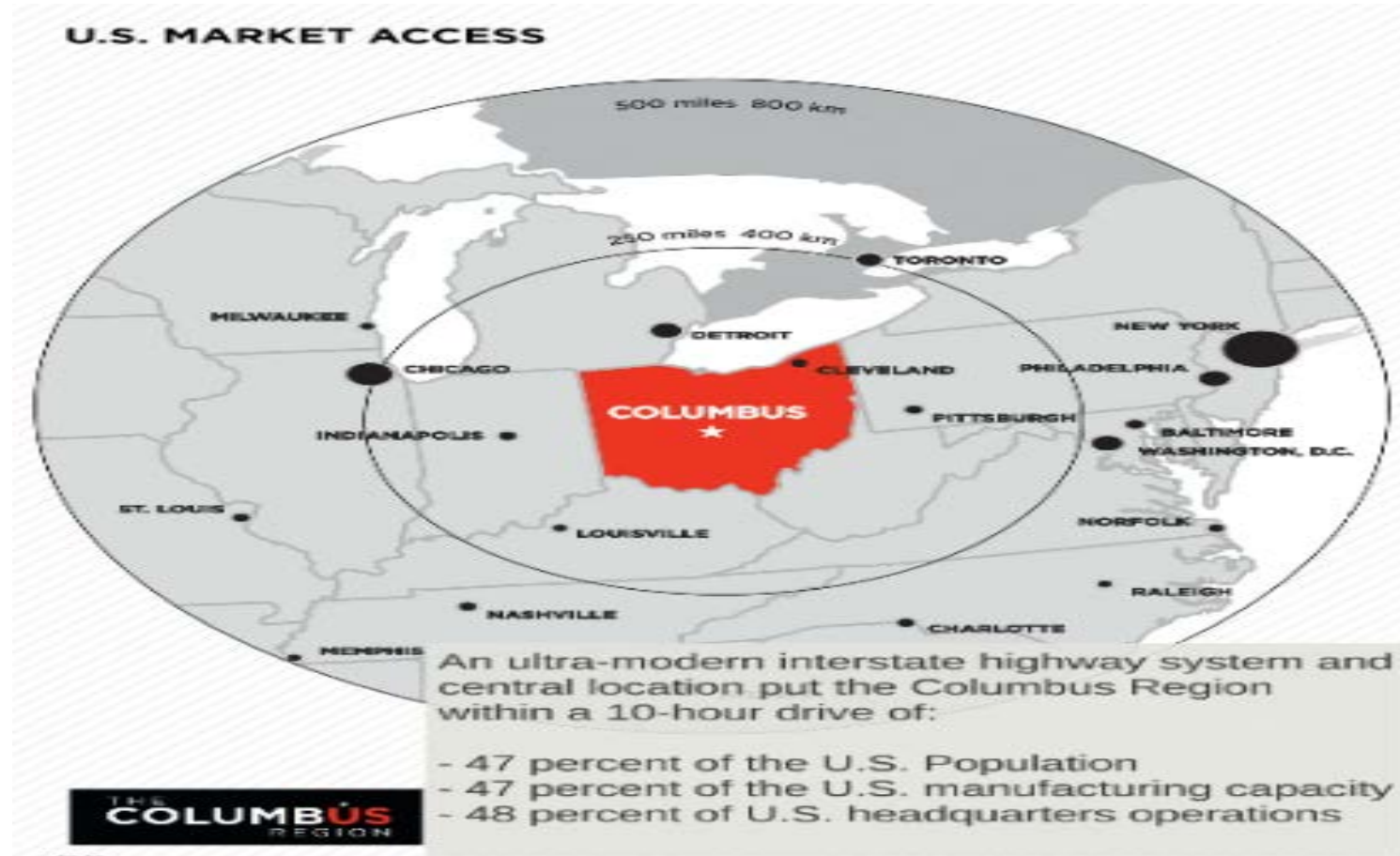
What is Logistics?

- **Council of Supply Chain Management Professionals (CSCMP) -**
 - Logistics is the part of the supply chain process that plans, implements, and controls the efficient and effective forward and reverse flow and storage of goods, services, and related information between the point of origin and the point of consumption in order to meet “customer requirements.”

Why is Logistics Important in Columbus?



Why Columbus and Central Ohio?



FedEx

ANN TAYLOR

BANANA REPUBLIC

BIG LOTS!



TARGET



The Top 15
Logistics
Companies in
Columbus Employ
Over 32,000
People

OLD NAVY



lululemon



athletica

Abercrombie & Fitch

GAP

La Senza

Justice

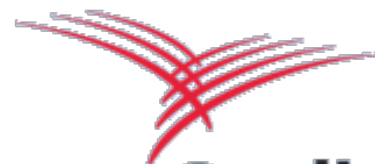
Eddie Bauer

amazon



PINK

VICTORIA'S SECRET



CardinalHealth™



VICTORIA'S
SECRET

DSW
DESIGNER SHOE WAREHOUSE®



Boar's Head

ODW

Logistics

thirty-one

Walmart

LANE BRYANT

zulily

Ohio asked for LET

- Central Ohio is home to one of the nation's largest and fastest-growing supply chain sectors.
- The supply chain sector accounts for more than 9 percent of all jobs in Central Ohio.
- Median Career Earnings between \$50,000-\$70,000 a year.

Breakthrough STEM Curriculum

- Developed in partnership with over 20 Central Ohio employers.
- Prepares students for careers as supply chain managers, industrial engineering technicians, systems analysts, and operations specialists.-
- Hybrid model delivers instruction through both in-person and online formats.
- Interactive laboratory experiences focusing on supply chain technologies.
- Embedded internship furthers students' problem-solving skills and employment opportunities.

LET Year One

First Semester		15.0
SCM1100 - Supply Chain Mgmt Principles	3.0	▼
ENGL1100 - Composition I	3.0	▼
MATH1111 - Discrete Mathematics for Computing	3.0	▼
BOA1102 - Excel I	2.0	▼
ESSH1101 - Intro to Environ Science, Safety, Health	3.0	▼
COLS1100 - First Year Experience Seminar	1.0	▼
Second Semester		17.0
CSCI1103 - Intro to Programming Logic	3.0	▼
SCM2111 - Inventory Management	3.0	▼
ENGT1200 - Intro Industrial & Systems Engineering	3.0	▼
BOA1172 - Excel II	2.0	▼

LET Year Two

Fourth Semester		16.0
ENGT1300 - Intro Electric Motors, Controls, PLC's	4.0	▼
ACCT1212 - Managerial Accounting	3.0	▼
SCM1501 - IT in Logistics	3.0	▼
SCM2110 - Warehouse Management	4.0	▼
ITST1102 - Industrial Network Communications	2.0	▼
Fifth Semester		11.0
EET2235 - Data Acquisition Systems	3.0	▼
SCM2802 - SCM Seminar	1.0	▼
SCM2902 - SCM Practicum	1.0	▼
SCM2601 - Performance Mgmt SCM Managers	3.0	▼
BMGT2250 - Project Management Principles	3.0	▼

What Careers Exist in Logistics Engineering Technology?

- Graduates of the program can expect to work in diverse roles in logistics and manufacturing settings. Our graduates will be able to excel in roles as:
- Logistics Engineering Technicians
- Supply Chain Managers
- Warehouse & Distribution Managers
- Industrial Engineering Technicians
- Operations Analysts

CSCC Degrees and Certifications

- International Commerce Certificate
- Supply Chain Management Certificate
- Supply Chain Management AAS – International Commerce Major
- Supply Chain Management AAS
- Logistics Engineering Technology

Collaboration of Midwest Professionals for Logistics Engineering Technology Education (COMPLETE)

Funding Source

National Science Foundation - ATE

Project PI

Jeremy Banta, PI
Chris Dennis, Co-PI

Partner
Institutions

Sinclair College
Oakton Community College

Performance
Period

May 1, 2021-April 30, 2024



Project Goal

Expand career pathways for logistics engineering technicians to support the increasingly complex technology needs of the supply chain sector.



Project Deliverable #1

- **Expanded Logistics Engineering Technology (LET) Curriculum (led by Columbus State)**
 - Create two technology-focused threads to expand in technician education
 - Pilot and refine LET curriculum framework for replication at other institutions
 - Adapt and pilot LET curriculum in partner regions



Project Deliverable #2

- **Innovation network that focuses on emerging technologies in Logistics (led by Columbus State, Sinclair, Oakton)**
 - Establish the LET innovation network for each region
 - Engage resource partners to validate current demands and future trends
 - Collaborate with industry to build the value of certifications and LET program content
 - Review evolving software in the industry and explore integration into curriculum





*The Ohio Supply Chain Academic Network
is a collaboration between the supply chain industry and higher education.*

*O-SCAN promotes the value of supply chain education
and advances the field by integrating emerging technologies
from the logistics industry into academic curricula.*

IO-SCAN MEMBERS:

Ohio Supply Chain Academic Network



A deliverable on a National Science Foundation Grant regarding the development of an “academic network” led to the creation of the Ohio Supply Chain Academic Network.

Faculty from *Columbus State Community College* and *The Ohio State University* collaborated to develop the organization, create its mission, and recruit its members.



THE OHIO STATE UNIVERSITY
FISHER COLLEGE OF BUSINESS

COLUMBUS STATE
COMMUNITY COLLEGE

OHIO-SCAN
Ohio Supply Chain Academic Network

Please join us for a meeting of the
Ohio Supply Chain Academic Network
Tuesday, February 4, 2020
168 Fisher Hall
Franklin University
201 S Grant Ave, Columbus, OH 432
9:30-11:30 am
RSVP: tinyurl.com/OSCAN2-4-20

Featured Activity:
OSCAN Compression Planning
Led by Josie Newman
Program Coordinator—Grants Office
Columbus State Community College

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OHIO-SCAN
Ohio Supply Chain Academic Network


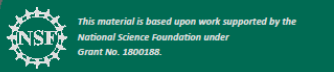
Please join us for a meeting of the
Ohio Supply Chain Academic Network
Monday, November 4, 2019
Dublin Integrated Education Center Room 245
Ohio University at Dublin
6805 Bobcat Way, Dublin, OH 43016
9:30-11:30 am
RSVP: tinyurl.com/OSCAN11-4-19

Featured Speaker:
Doug McCollough
Chief Information Officer
City of Dublin


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for the inaugural meeting of the
Ohio Supply Chain Academic Network
Monday, May 20, 2019
Columbus State Community College
Conference Center
10:00-11:00 am
Contact: kkyle@csc.edu

- Chain Academic Network:**
The network promotes the value of supply chain education and advances the field by integrating emerging trends and technologies into supply chain curricula.
- Collaborate with industry educators, professionals, and solution providers in Central Ohio regarding issues in Supply Chain Management (SCM).
 - Assist in the development of SCM educational strategy at Ohio High Schools, Colleges, and Universities.
 - Identify future career impacting trends and technology disruptors in the SCM industry.

 This material is based upon work supported by the National Science Foundation under Grant No. 1800188.

Thank you for joining us! This Session Will Begin Shortly.

Career Conversation

Logistics and Supply Chain Management

Featuring

Tom Clements, Supply Chain Advisor, CBUSRetail.org

Brandon Shook, Supply Chain Planning and Analytics
Manager, [L Brands](https://LBrands.com)

Melinda Hart, Industrial Engineer, [Fanatics Inc.](https://FanaticsInc.com)

Nathan Poore Jr., Field Transportation Lead, [Amazon](https://Amazon.com)

Proudly supported by:



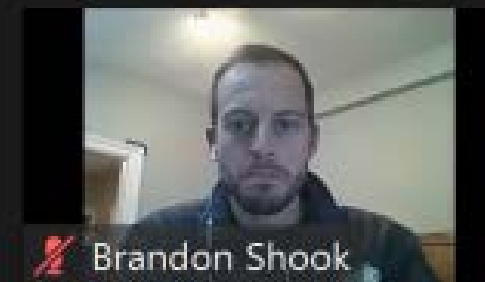
Tom Clements



WCS CCR Office



Nathan Poore, Jr.



Brandon Shook

Project Deliverable #3

- **Professional development initiative for high school and college faculty to learn about LET careers (led by Oakton)**
 - Create professional development instruction materials to educate faculty about LET
 - Plan faculty development curriculum
 - Disseminate faculty curriculum to introduce LET coursework and pathway



Project Deliverable #4

- **Protocol for returning learner outreach and use of prior learning assessment (led by Sinclair)**
 - Design prior learning assessment (PLA) protocol and determine assessments
 - Conduct outreach to veteran populations and establish model for military service PLA
 - Expand the use of PLA to adult learners who are dislocated, underemployed, or transitioning from other careers



Questions About Our Programs:

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