

# LOGISTICS ENGINEERING TECHNOLOGY

## Early College Experience

A key element of the project's pre-college initiative is an immersive summer experience for high school students. During year two of the project, a two-day early college experience summer camp was piloted, which was expanded to three-days during year three. The summer camp featured hands-on laboratories, college readiness activities, and tours of automated distribution center. Focusing the camp specifically on Logistics Engineering Technology allowed the project team to design activities and laboratories targeted to increase awareness and interest in careers in this area. Over the course of both camps students reported an increase in the positive attitudes related to LET career options.

### PARTICIPANT DEMOGRAPHICS

#### 2016 | Two Day Format

22 high schools students  
10 Central Ohio high schools represented

#### 2017 | Three Day Format

22 high schools students  
13 Central Ohio high schools represented

### KEY ACTIVITIES

Logistics & Smart Columbus Overview  
3D Printing CAD Lab  
Exploring Simulations with AnyLogic  
Tours of Automated Distribution Centers

Egg-Drop & Packaging Challenge  
Industrial Systems Lab  
Campus Tour & Scavenger Hunt  
Logistics Information Session for Families

### OUTREACH STRATEGIES

- Meetings with high school STEM instructors and guidance counselors
- Interactive presentations in high school technology classrooms
- Email and paper mailings to area high school STEM teachers, guidance counselors, parent teacher associations, and Columbus Metro Libraries Homework Help Centers
- Partnering with college offices with preexisting K-12 relationships

### KEY FINDINGS

- Students are interested in participating the program due to its focus on engineering and STEM
- Students reported statistically significant increases in the positive attitudes related to pursuing a career in logistics engineering technology
- Both open-ended comments and 5-point scale counterfactual items indicated that the facility tour and hands-on activities were the most interesting aspect of the camp



*This material is based upon work supported by the National Science Foundation under Grant No. 1400452, 1700520.*

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