

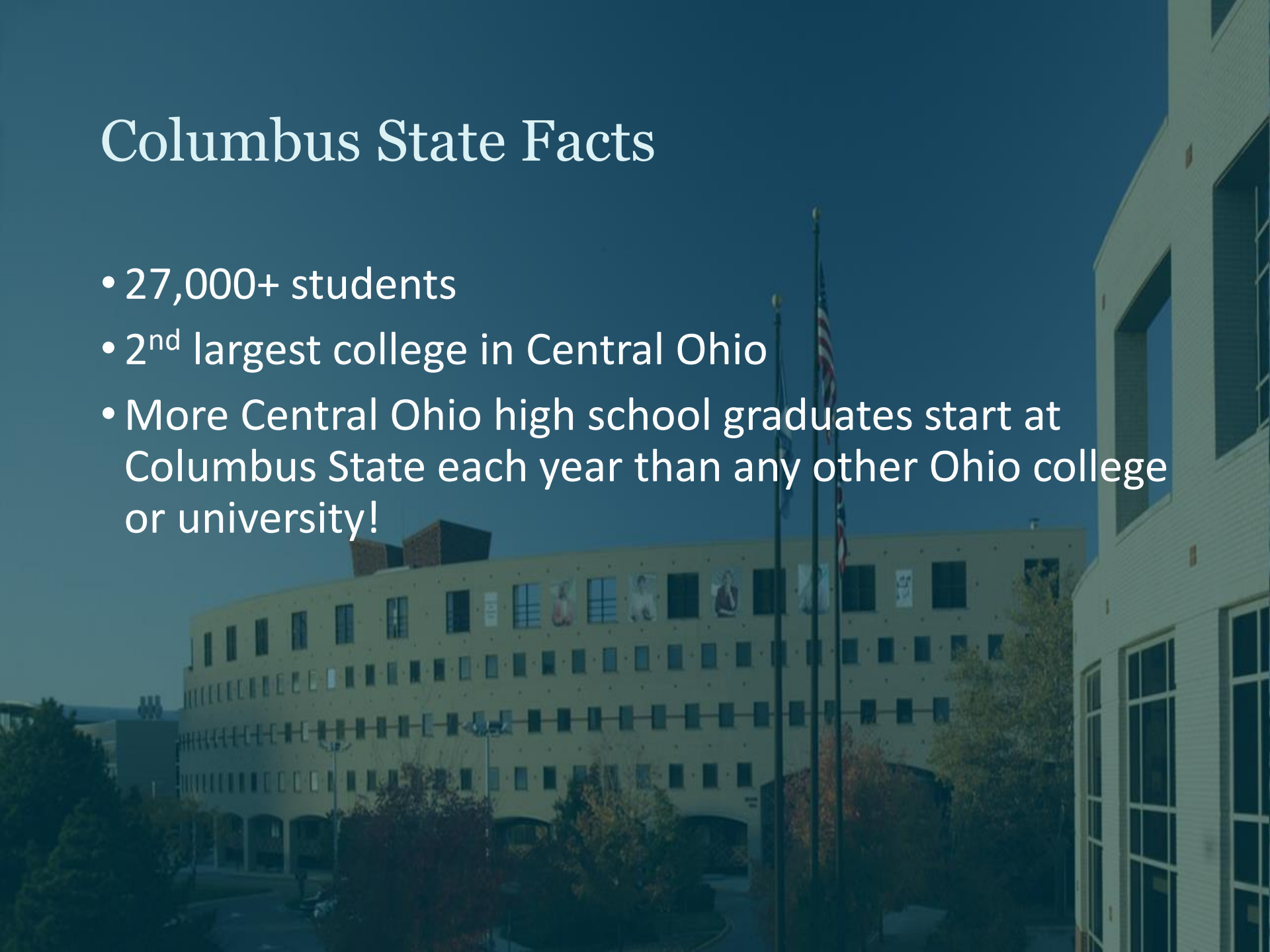
COLUMBUS STATE

---

COMMUNITY COLLEGE

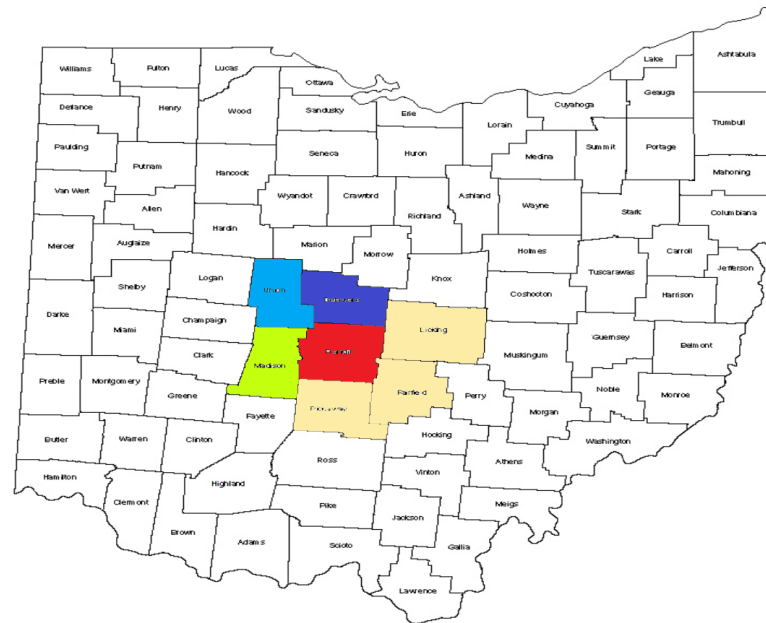
# Columbus State Facts

- 27,000+ students
- 2<sup>nd</sup> largest college in Central Ohio
- More Central Ohio high school graduates start at Columbus State each year than any other Ohio college or university!



# Service Area

OHIO



# COLUMBUS STATE

---

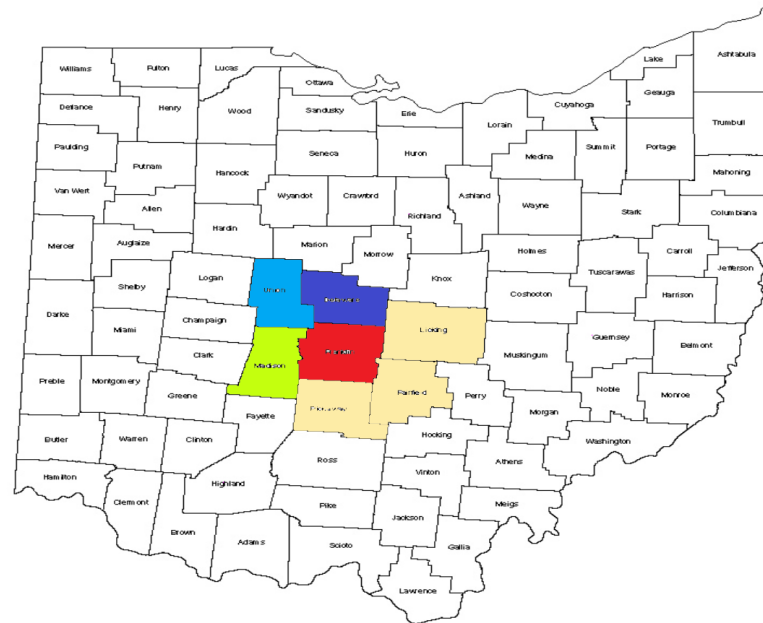
COMMUNITY COLLEGE

## Workforce Innovation

Leveraging Partnerships to Meet Industry Need

# Laborshed

## OHIO



# Addressing Employer Needs.

---

- **Emerging Workforce**

- recent graduates and others entering employment for the first time

- **Incumbent Workforce**

- those currently employed whose skills must grow as technologies and other factors change

- **Transitional Workforce**

- mature workers who are in declining industries or changing career focus

# Recent Workforce Projects.

---

## EMERGING WORKFORCE

### Modern Manufacturing Work-Study

- Industry: Pipeline to tailored talent
- Students: Clear pathway from education to career



# MMWS: Path to Industry

## ELECTRO-MECHANICAL ENGINEERING ASSOCIATE DEGREE

### High School

College credits  
earned vary by  
school

### Summer

- ▶ Advanced  
Automation  
Institute
- Manufacturing  
Plant Tour

### 1st Semester

First Year  
Experience

Motors & Control  
Logic

Industrial  
Applications &  
Software

Engineering  
Graphics

Mathematics

### 2nd Semester

Physics

Control Logic &  
PLCs

Basic DC  
Electronic  
Systems

Basic Digital  
Systems

English Comp I

*Interviews*

### 3rd Semester (summer)

Robotics

Welding: Intro  
Stick

Basic  
Mechanisms &  
Drives

CAD I

Technical Writing

*Work Study*

### 4th Semester

Manufacturing  
Materials &  
Processes

Machine Tools

Social  
Behavioral  
Science elective

*Work Study*

### 5th Semester

Basic AC  
Electronic  
Systems

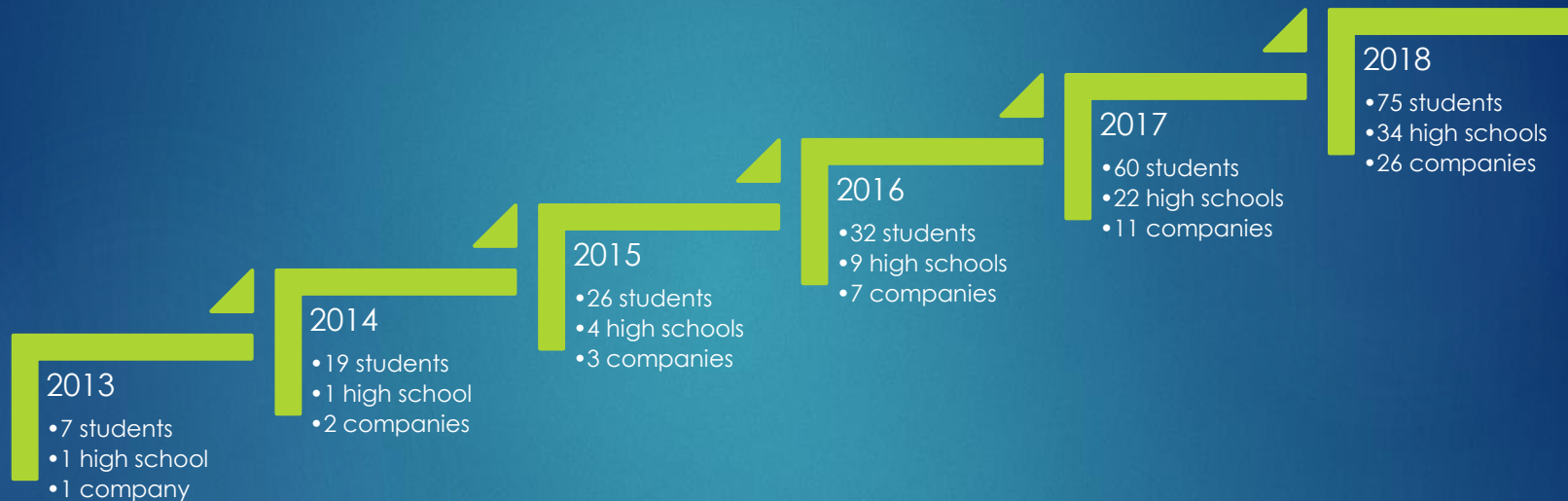
Data Acquisition  
Systems

Humanities  
elective

*Work Study*



# Growth in student recruitment



This initiative was awarded by the National Science Foundation Grant DUE-1400354 for \$741,509 to improve the model and accelerate its implementation to other schools and industries

# Recent Workforce Projects.

---

---

## Incumbent Workforce

those currently employed whose skills must grow as technologies and other factors change



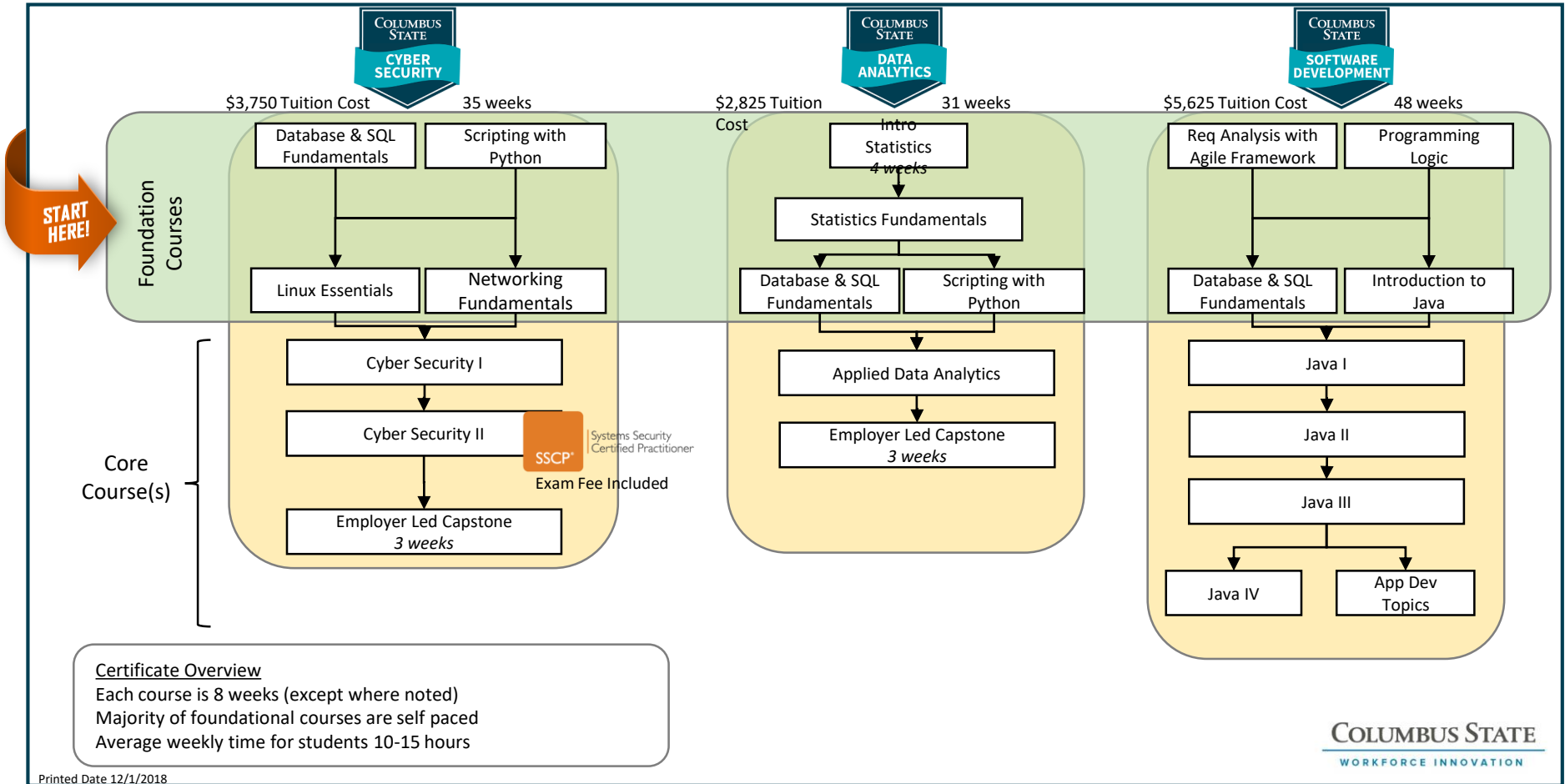
**Nationwide<sup>®</sup>**  
**Insurance**

# Nationwide Insurance

- Needed to upskill their workforce
- Identified high growth areas for technology
- Series of courses were created with a capstone course at the end of the certificate
- Co-developed curriculum with the goal of transitioning employees into new areas of technology
- Designed with the working adult in mind, ~10-15 hours of coursework per week
- Nationwide provided a support group as individuals moved through the material and had questions on how various technologies were used at Nationwide
- Electronic badges were issued for certificate completions and students applied for internal postings
- Expanded offerings to out of state locations



# Columbus State IT Certificates



# Recent Workforce Projects.

---

---

## Transitional Workforce

**mature workers who are in declining industries or changing career focus**

# Operator/Maintainer Training Program



# LEADERSHIP TRAINING FOR FRONTLINE MANAGERS AND SUPERVISORS





# COLUMBUS STATE

---

COMMUNITY COLLEGE