



Business Advisory Council



educational service center
of Central Ohio



Today's Agenda

- ★ Welcome – Introduction
- ★ Nationwide Children's Hospital Summer Experience
- ★ Central Ohio Pre-Apprenticeship Hub
- ★ Franklin University IT Pre-Apprenticeship Pathways
- ★ HSTI 4.0 Update
- ★ Networking Time



Welcome



[December 2023 Newsletter | LTWLA](#)
(leadthewaylearningacademy.org)



*Providing youth development and youth work
readiness services in Franklin County since 2004!*



COWRC

**Central Ohio Workforce
Readiness Collaborative**



<https://forms.gle/XYtjD7xw3RJRwbMZA>



Nationwide Children's Hospital Summer Experience/Career Academy

Wendy Williamson

Youth Employment Coach

Healthy Neighborhoods, Healthy Families

Lena Mokbel





Youth Employment Engagement Programs

Summer Employment

- June – August

Healthcare Preceptorship Program

- “NCH High School Career Academy”
- November – April

Learning Experiences

- Connecting careers to STEM with Upward Bound Math and Science
- Spring/Summer/Fall

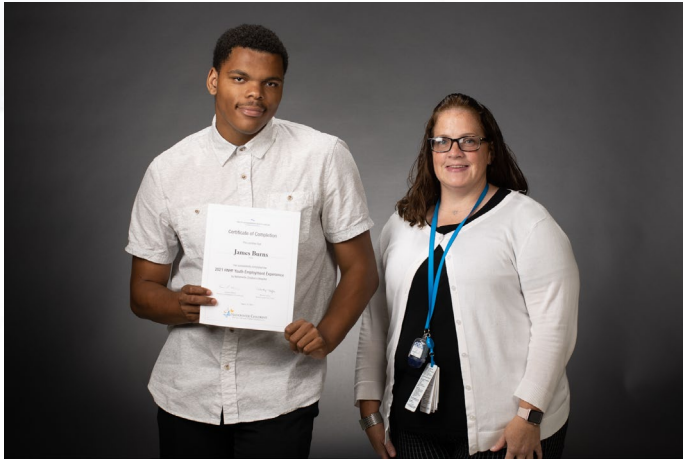


Summer Youth Employment Program

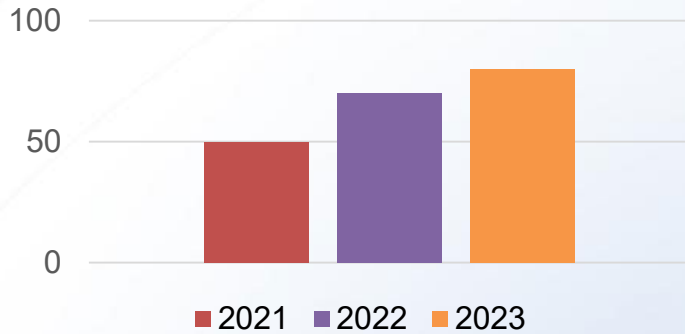
Career Exploration Work Experience

Program started in 2021

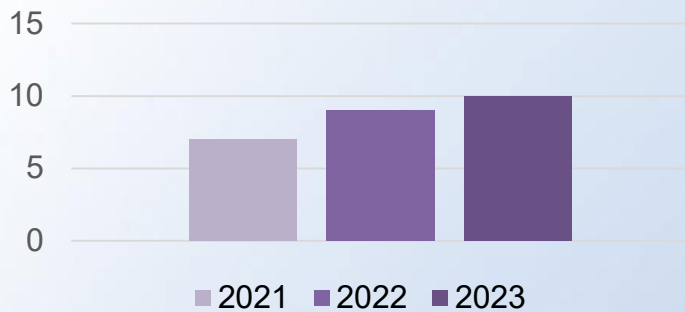
- NCH has engaged **170+** youth between the ages of 16 to 24 YTD
- This summer NCH hosted 89 Students
- 60+ Hospital Departments Hosted
- (clinical & non-clinical)
- \$12.00/hour | 20 hours | 4 to 8 weeks (June – August)
- Hired 10+



Participants



New Hires



Career Exposure

Engineering/Grounds

Information Services

Behavioral Health

Health Administration

Early Childhood
Development

Environmental Services

Purchasing

Marketing & PR

Neurosurgery



Healthcare Preceptorship Program

Nationwide Children's High School Career Academy



- 6 month career exploration for students within the Columbus City and Reynoldsburg School Districts.
- Students earned \$12.00 per hour.
- Students completed components of the OhioMeansJobs Readiness seal.
- Out of 26 students, 20 transitioned to the NCH Summer Youth program. ***NCH hired 2 Students**
- Students received CPR Certifications.
- Reinforced interest in Health Sciences for students who have a desired career path in mind while exposing undecided students to various healthcare opportunities.
- Students connected career exploration activities to their science class.



26
students

6
months

\$12/hr
wage

10 Health Care Careers Explored 

Respiratory Therapy	Simulation Center
Infectious Disease	Radiology
Human Milk Technician	Information Technology
Pharmacy	Research
Laboratory	School Based Health

Trainings:

- CPR
- HIPAA
- Medical Terminology
- Financial Literacy
- Interviewing & Career Expo

 **Clinical Education**

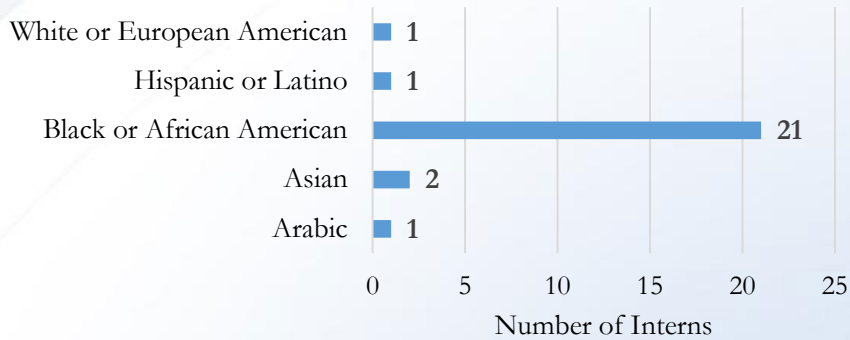
 **Hands-On Experience**

 **Job Coaching**

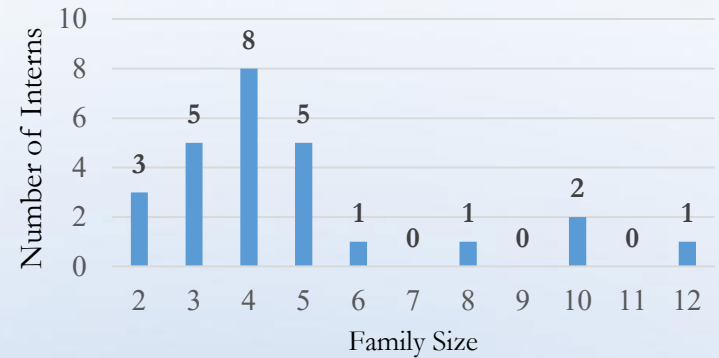


Healthcare Preceptorship Demographics

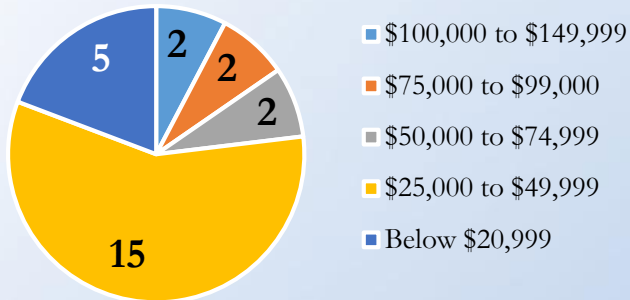
Race



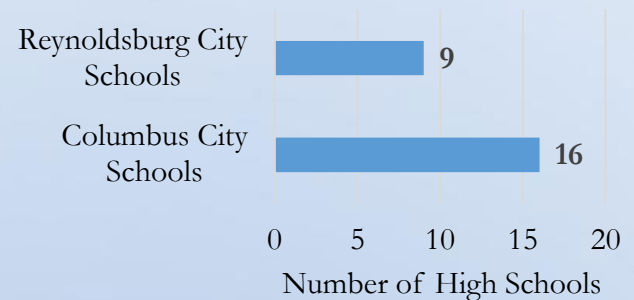
Family Size



Household Income



School Districts



Learning Experiences

Connecting Careers to STEM partnership with
Upward Bound Math and Science

Nationwide Children's Hospital staff share their career journey, "A Day in the Life of a Health Care Professional" and provide career planning advice.



New Program Offerings

- 1. Department of Education and Workforce's High School Healthcare Preceptor Program.**
 - National Initiative to Address COVID-19 Health Disparities Among Populations at High-Risk and Underserved
 - NCH High School Career Academy. Serving students with the Columbus City and Reynoldsburg school districts which include HNHF Target zip codes.
- 2. STEM Career Learning Experiences:** Strategic approach to connecting STEM to Careers to high school classes.
- 3. Year Round Internship** (Extension of Summer program August - March)



Wendy Williamson
Youth Employment Coach

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CENTRAL OHIO

Pre-Apprenticeship Hub



Jessica Weithman
Pre-Apprenticeship
Coordinator



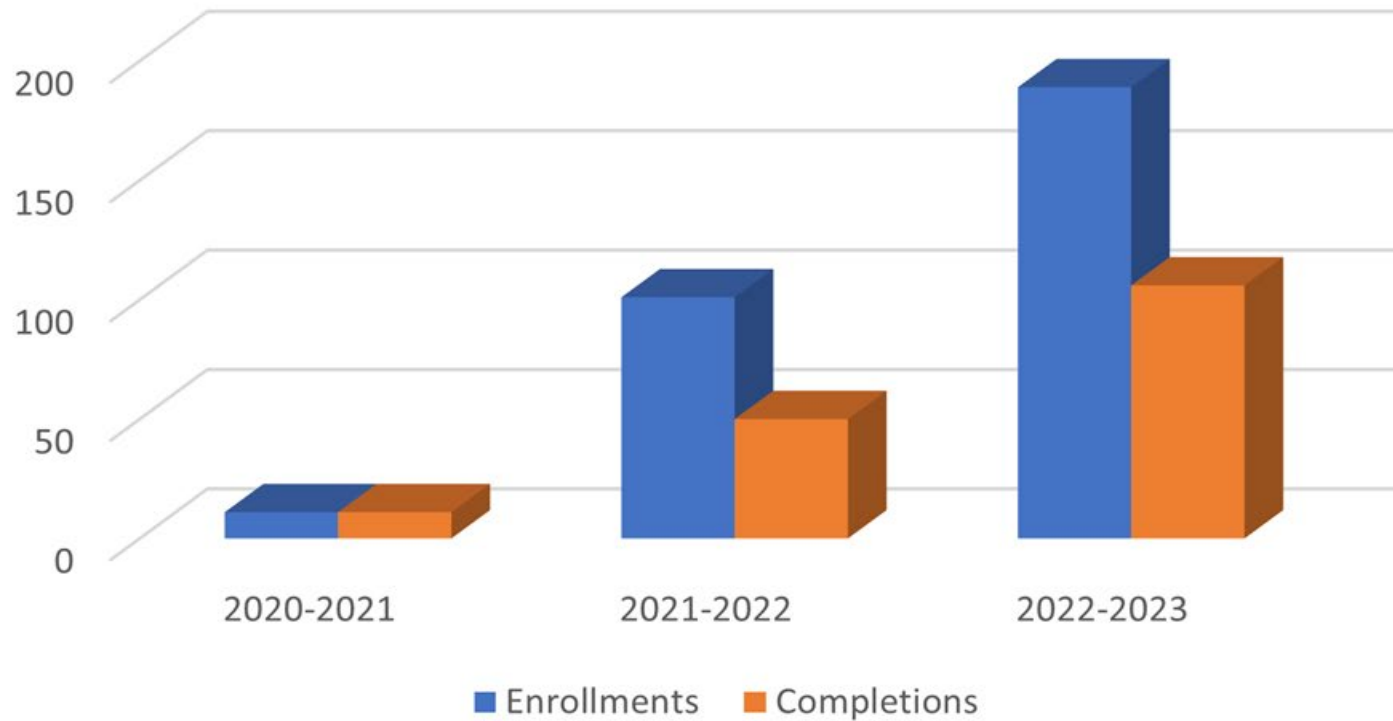


ODJFS & ApprenticeOhio Apprenticeship Expansion Grant

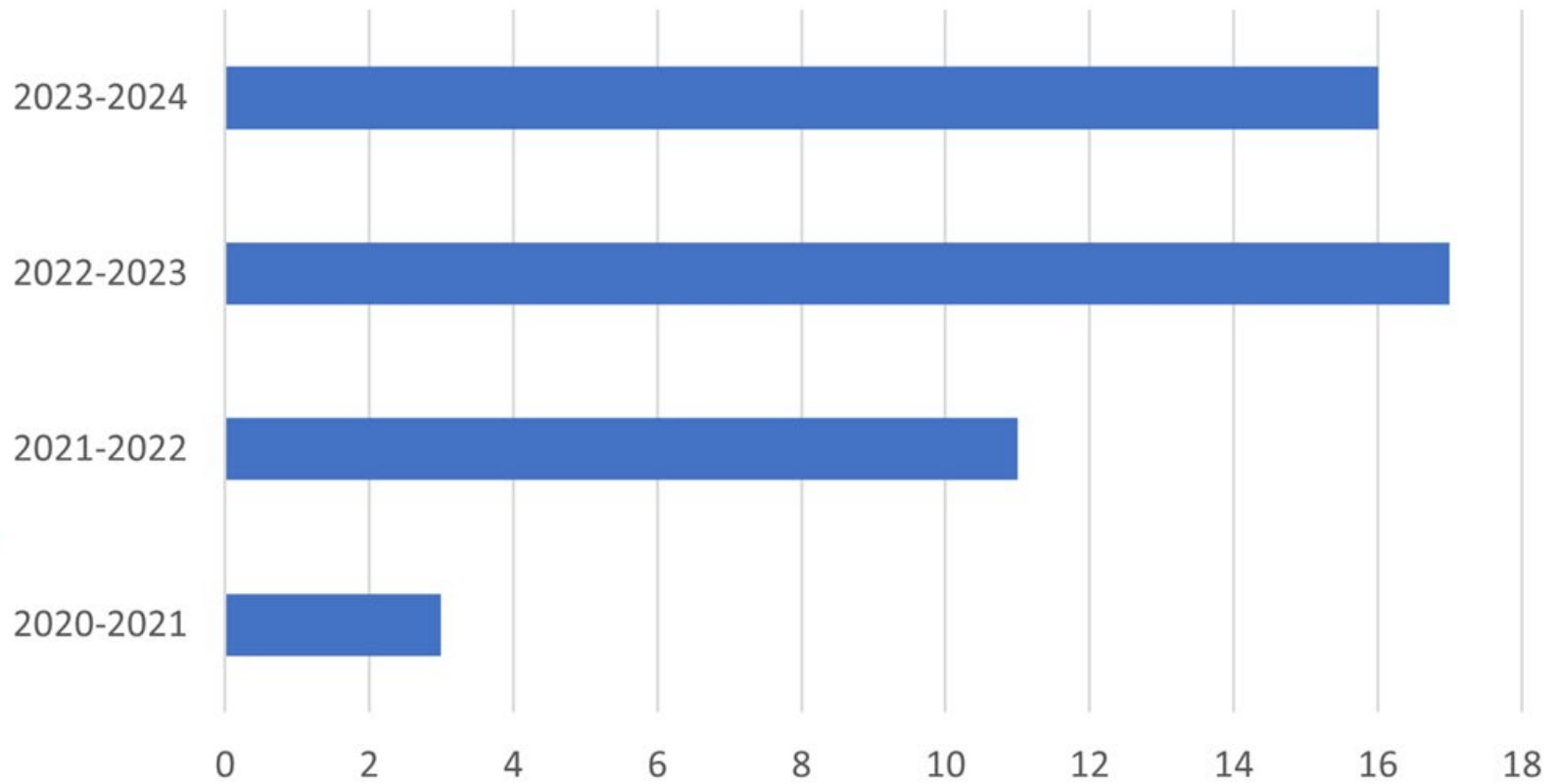
- **LWDBs serve as “hubs” for pre-apprenticeship program implementation**
- **Increase the awareness and access of pre-apprenticeships as a pathway for youth & adults to enter into a RAP program**
- **Develop and grow sustainable pre-apprenticeship programs**



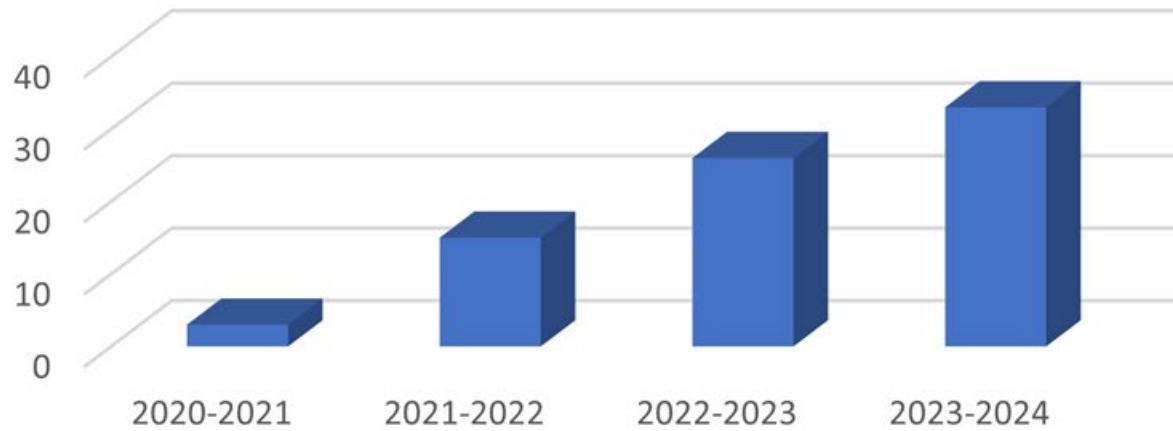
Pre-Apprenticeship: Enrollments/Completions



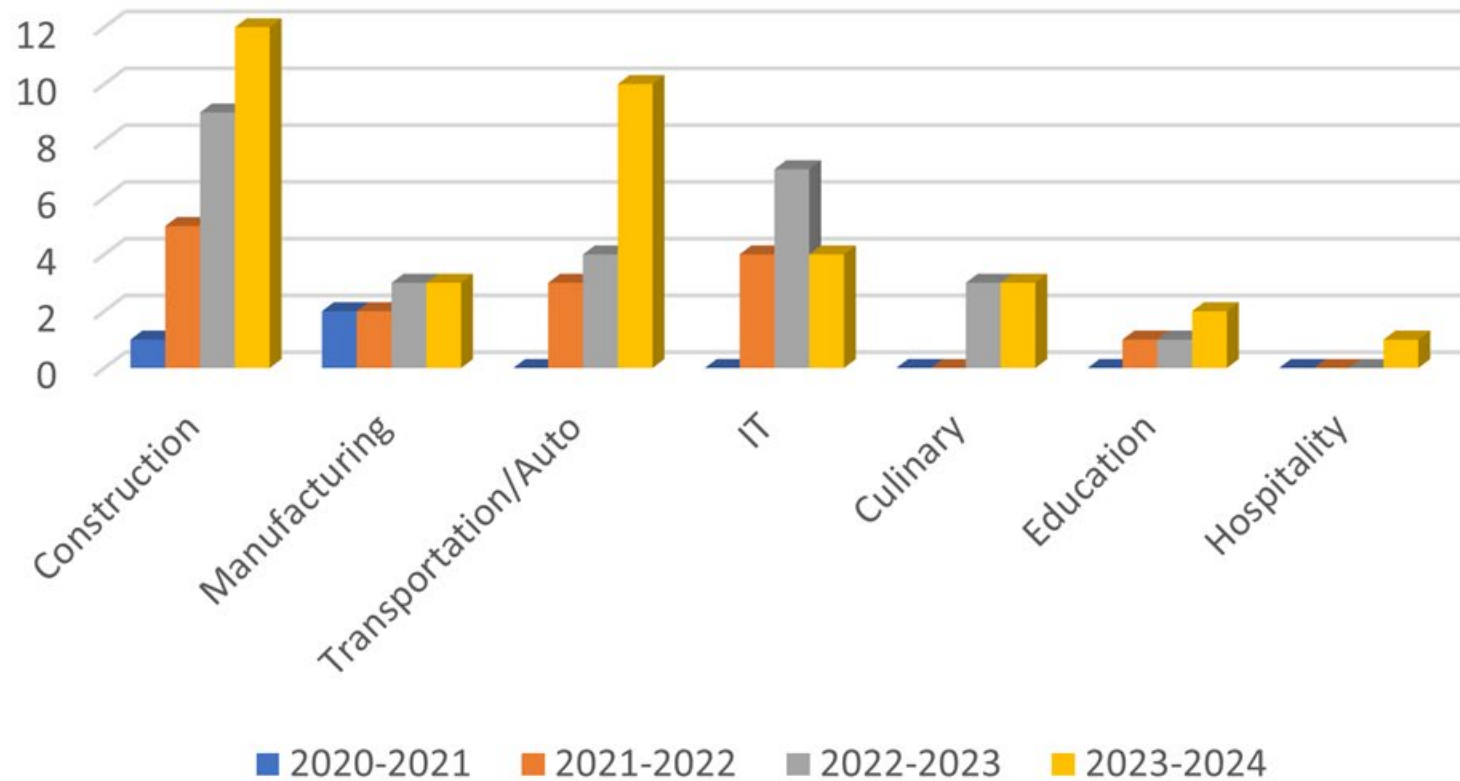
Pre-Apprenticeship: Schools/Businesses



Pre-Apprenticeship: Programs



Pre-Apprenticeship: Industry Sectors



CHALLENGES:

Employer engagement

Demystification

Sustainability

Funding

Policy



Vision

The Workforce Development Board of Central Ohio Apprenticeship Hub is a centralized and simplified resource for entrance into the apprenticeship system for employers, job seekers, and training providers.



Strategic Alignment

- Preparing more young people for careers that lead to financial stability
- Match more jobseekers to opportunities that lead toward prosperity
- Enable employers to attract, engage, develop, and retain the talent they need to succeed
- Establish WDBCO as the leader of workforce development in Central Ohio



Strategic Plan

- Goal: Increase PAs, and individual/group RAPs for employers
- Goal: Increase access, enrollment, and matriculation for job seekers
- Goal: Sustainable funding
- Goal: Increase Visibility/Outreach



CONTACT:

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Apprenticeship Coordinator**

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Central Ohio**

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Jonathan McCombs, Ph.D.
Franklin University
Dean of the College of Health and
Public Administration
Executive Director - Center for
Public Safety and Cybersecurity
Education



Franklin University

CENTER FOR PUBLIC SAFETY
AND CYBERSECURITY EDUCATION

Cyber and IT Learning Pathways

Helping to Build a Pipeline of New Talent





Bootcamp/Self-paced, Start anytime

Pre-apprenticeship bootcamp: (all)

- IT Fundamentals+ (ITF+) <https://www.comptia.org/certifications/it-fundamentals>
- IT Support (A+) <https://www.comptia.org/certifications/a>
- Network+ <https://www.comptia.org/certifications/network>
- Security+ <https://www.comptia.org/certifications/security>



Information Technology (Option A)

Linux+ <https://www.comptia.org/certifications/linux>
Server+ <https://www.comptia.org/certifications/server>

Cyber bootcamp (Option B)

CySA+ (cyber analyst) <https://www.comptia.org/certifications/cybersecurity-analyst>
PenTest+ <https://www.comptia.org/certifications/pentest>



Course Information



Learners would take these in the sequence they are listed.



Each course comes with the COMPTIA testing voucher.



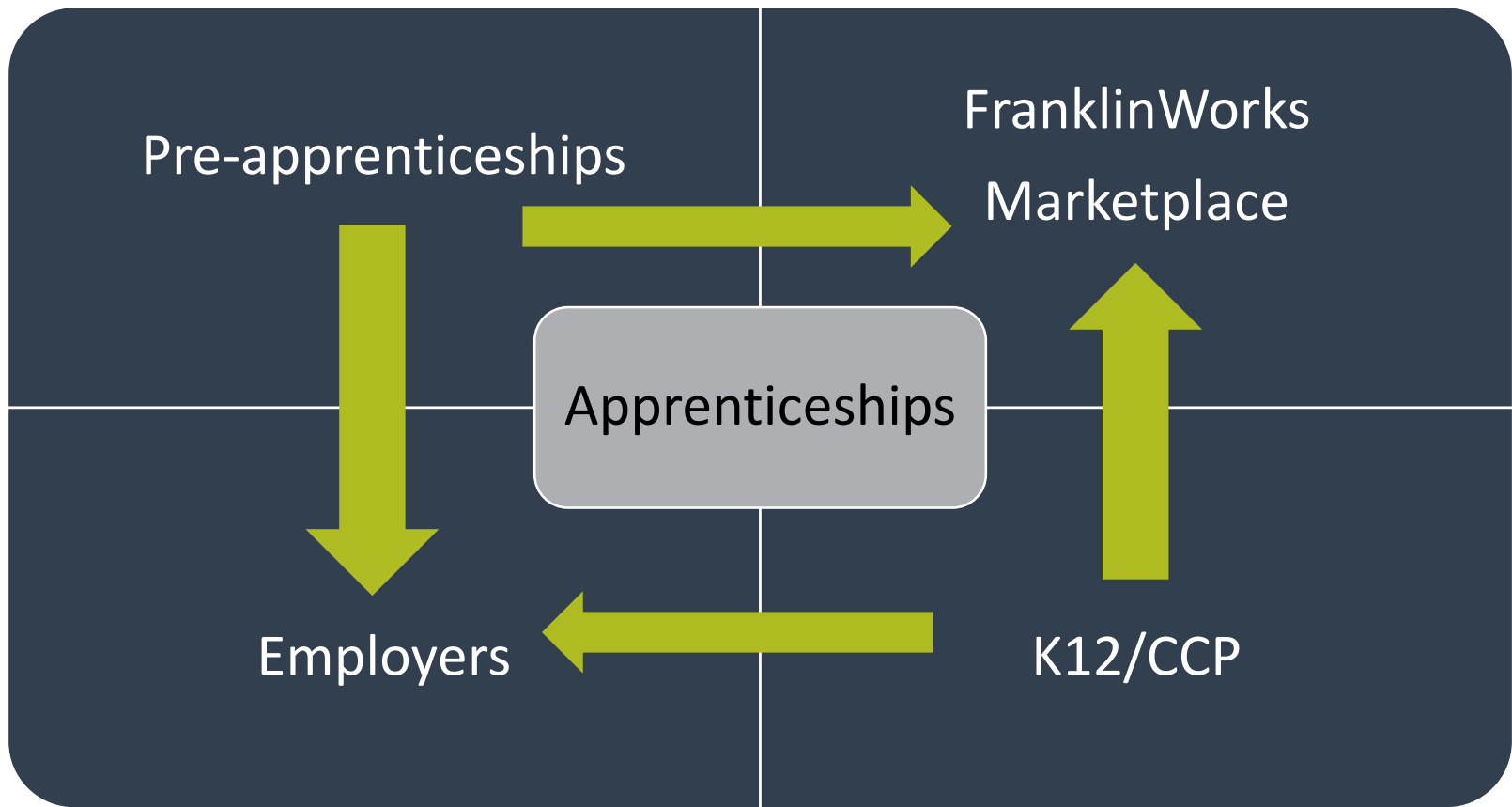
Each course is video-based with videos, flashcards, labs, etc.



Assume 100 hours of study per course.



The courses increase in difficulty after A+



Pre-Apprenticeship Coach

0

Cyber or IT Faculty Mentor for each student with bi-weekly meetings to gauge progress.

1

02

Coaching on certificate exam preparation.

03

Coaching on content-related skills.





For K-12

Pre-apprenticeship program is complimented and optimized by having IT Faculty on-site.



Certifications lead to college credit in corresponding courses.



CCP courses such as MATH/English/Gen Ed can be added to enable students to progress toward a college degree.



Program requirements create pathways to an Associate or Bachelor's degree in either IT or Cybersecurity.



Courses can contribute to high school pre-apprenticeship program and link to Franklin University's registered apprenticeship program.





Current Pre-apprenticeships linked to our RAP

Signed:

- Goodwill Columbus
- Horizon STEM Academy

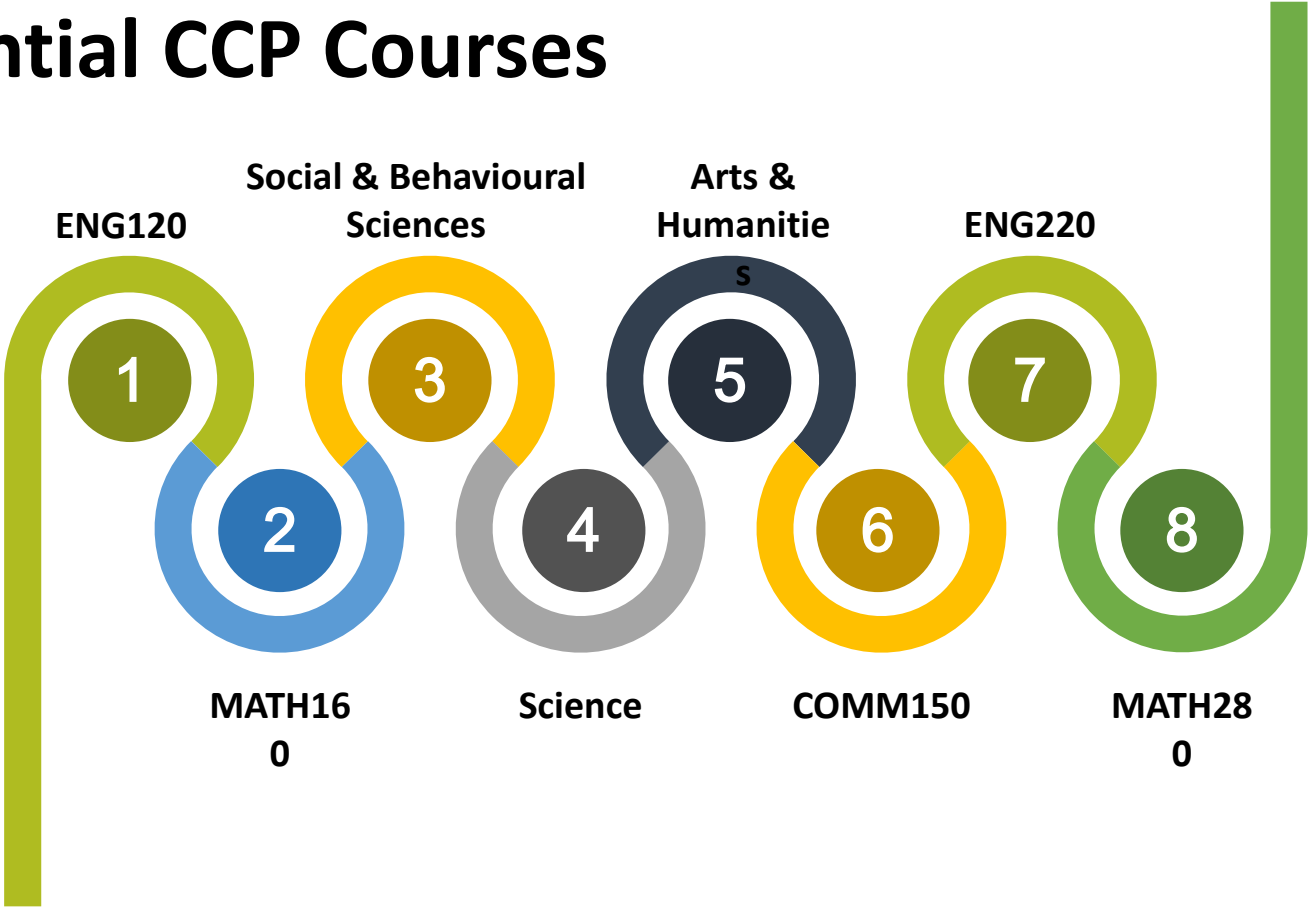


In Discussions:

- Akili Christian High School
- Zanesville Schools
- Canal Winchester Local Schools
- Eastland Fairfield Career Center



Potential CCP Courses

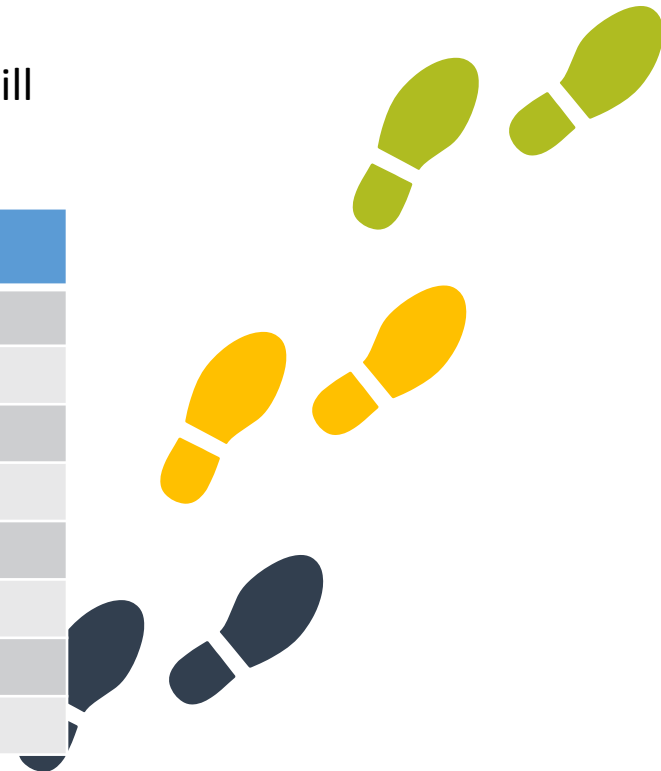




Pathway to a degree....

Students that successfully complete the COMPTIA exams will be eligible for college credit as follows:

Certification	Credit Hours	Course to Course	Degree Programs
IT Fundamentals (ITF+)	1	TRNS950	Electives in any UG degree
IT Support (A+)	1	ITEC904	Electives in any UG degree
Network+	2	COMP204	AiT, Acy, BSCy, BSiT
Security+	2	ISEC200	AiT, Acy, BSCy, BSiT
Linux+	2	ITEC200	Acy, BSCy, BSiT
Server+	2	ITEC904	Electives any UG degree
CySA+	2	ISEC200	AiT, Acy, BSCy, BSiT
PenTest+	4	ISEC670	Electives in any UG degree



Pathway to a Registered Apprenticeship....

B.S. in Cybersecurity
B.S. in Information

📍 Students can start once enrolled but the core courses are the last 9 courses in each of the degree programs. This allows for transferability from CCA partners.

📍 Students must work 2,000 hours during the time they are enrolled.



📍 Students can achieve a part-time or full-time aligned job earlier.

- Students get paid and are eligible for tuition reimbursement the employer makes available. Automatically eligible for WOIA funding

📍 Once complete, students receive a certificate credential from the U.S. Department of Labor as a journeyman in cyber or information technology.

Aligned Courses...

B.S. in Cybersecurity

ISEC 300 – Information Assurance (4)
ISEC 350 – Security Risk Management (4)
ISEC 375 – Digital Forensics & Incident Response (4)
ISEC 400 – Software Development Security (4)
ISEC 475 – Security Engineering & Assessment
ITEC 350 – Windows Administration (4)
MIS 310 – Info Systems Architecture & Technology (4)
WEBD 236 – Web Information Systems Programming (4)

B.S. in Information Technology

ISEC 300 - Information Assurance (4)
ITEC 275 - Computer Networks/Switching, Routing, WANS (4)
ITEC 400 - Linux Administration (4)
ITEC 430 - Information Technology Project Management (4)
COMP 281 - Database Management Systems (4)
ITEC 136 - Principles of Programming (4)
ITEC 475 - Virtualization & Cloud Computing (4)
MIS 310 - Info Systems Architecture & Technology (4)
ITEC 495 - Information Technology Capstone (4)

Employers

Benefits to employers:

Potential tax write-offs for salary paid to apprentices beyond \$5,250

Employee with a degree and a Journeyman certificate from the U.S. Department of Labor.



High School Tech Internship Program 4.0





Eligible Students: High School students up to 19 years old. Can be current Seniors graduating in Spring.

Eligible Employers: Ohio for-profit, non-profit, k-12 districts, higher education, local and county government.

Eligible Internships: Entry-level technology roles that focus on software development, data, cloud and IT infrastructure, cybersecurity, and other technology-focused roles.

Timeline: January – September 30, 2024. Internship must be started by June 2024.

Time Requirement: Minimum 120 hours.

Wage Requirement: Minimum \$12 per hour.

Employer Reimbursement: Up to \$5,000 per internship.



To register to receive more
information:



Networking

Wendy – NCH

Jessica and Jonathan – Pre-Apprenticeships

John and BridgED - HSTI 4.0

Your feedback is valuable to us as we develop future BAC meetings and activities. Please take a moment to provide us with your thoughts by filling out this brief feedback survey.



ESCCO Team

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