

TMACOG General Assembly Workforce Development Panel Discussion

April 25,
2022



Solution-Oriented: Providing Quality Career-Tech Training Aligned to Regional In-Demand Job Needs



1

Demonstrating Competency Through Career-Tech State Testing Exams



5

Advancing CT Programs Aligned to In-Demand Jobs



2

Earning Cost-Free College Credits



6

Achieving Equity to Prepare for a More Diverse and Inclusive Workforce



3

Earning Industry-Recognized Credentials



4

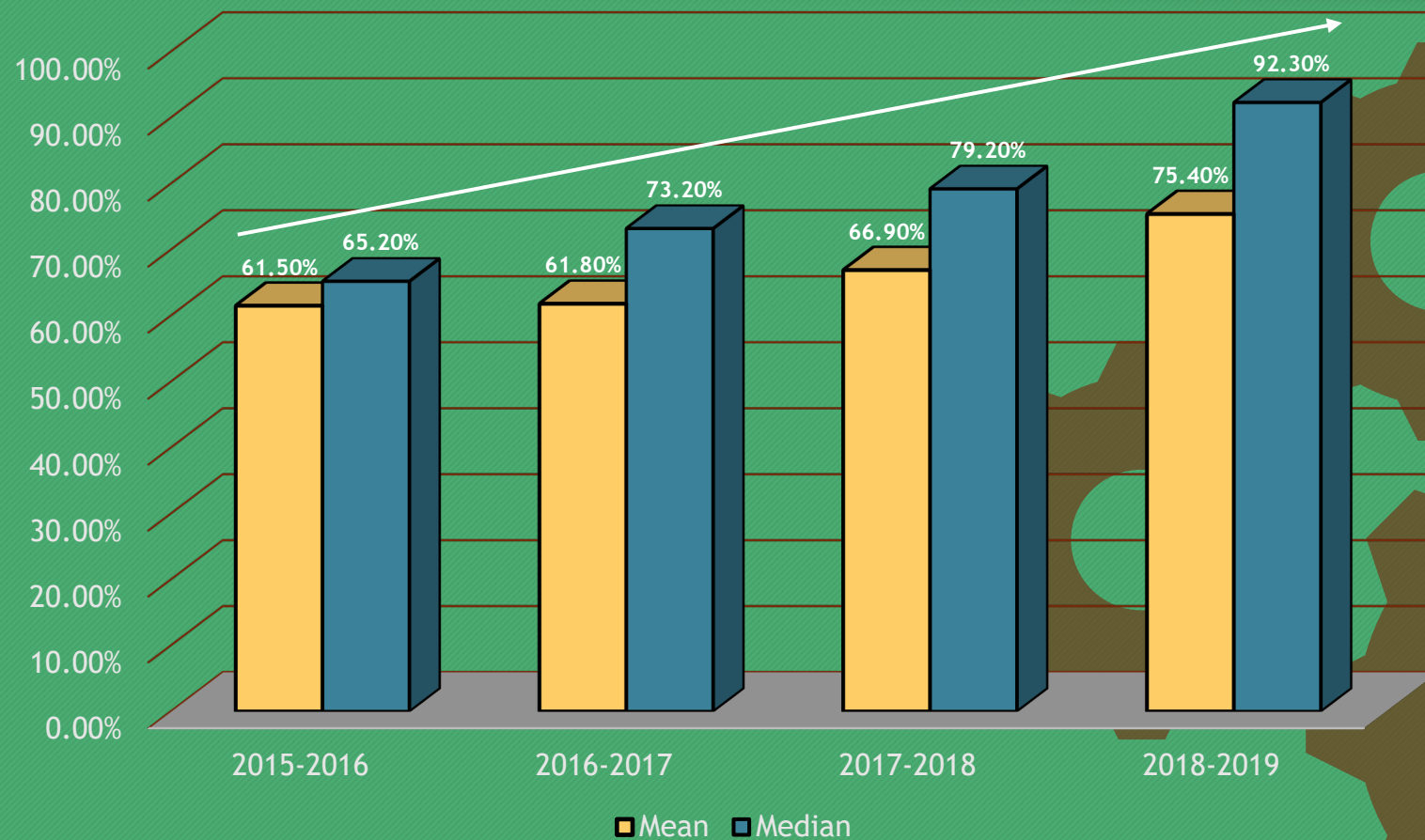
Engaging in Relevant Work-Based Learning Opportunities



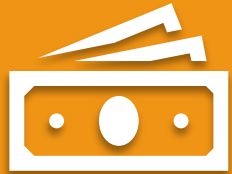
CT Technical Skill Attainment-Report Card



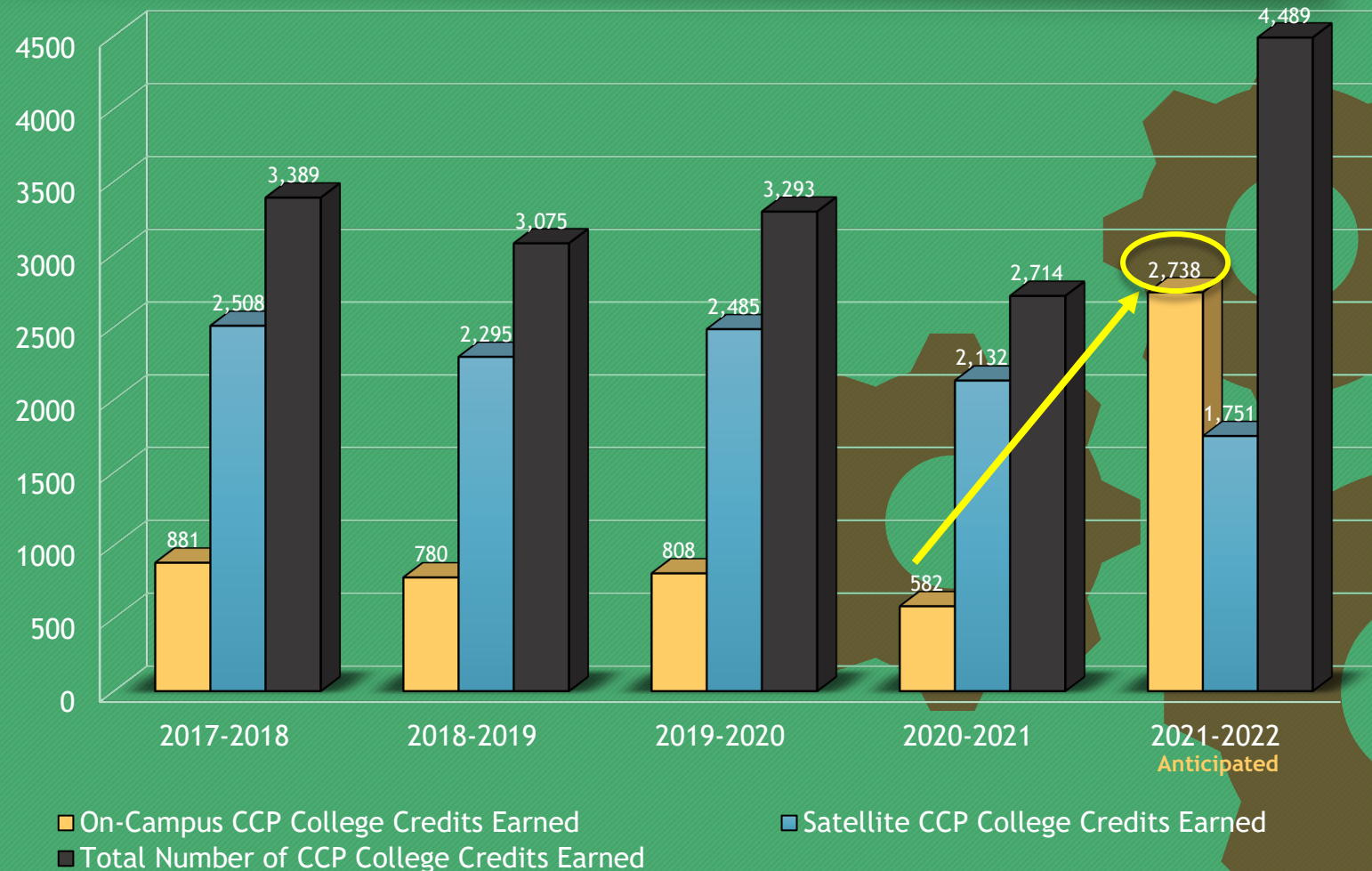
On-Campus CT
Technical Skill
Attainment-
WebXam Performance
by School Year



College-Credit Plus (CCP)



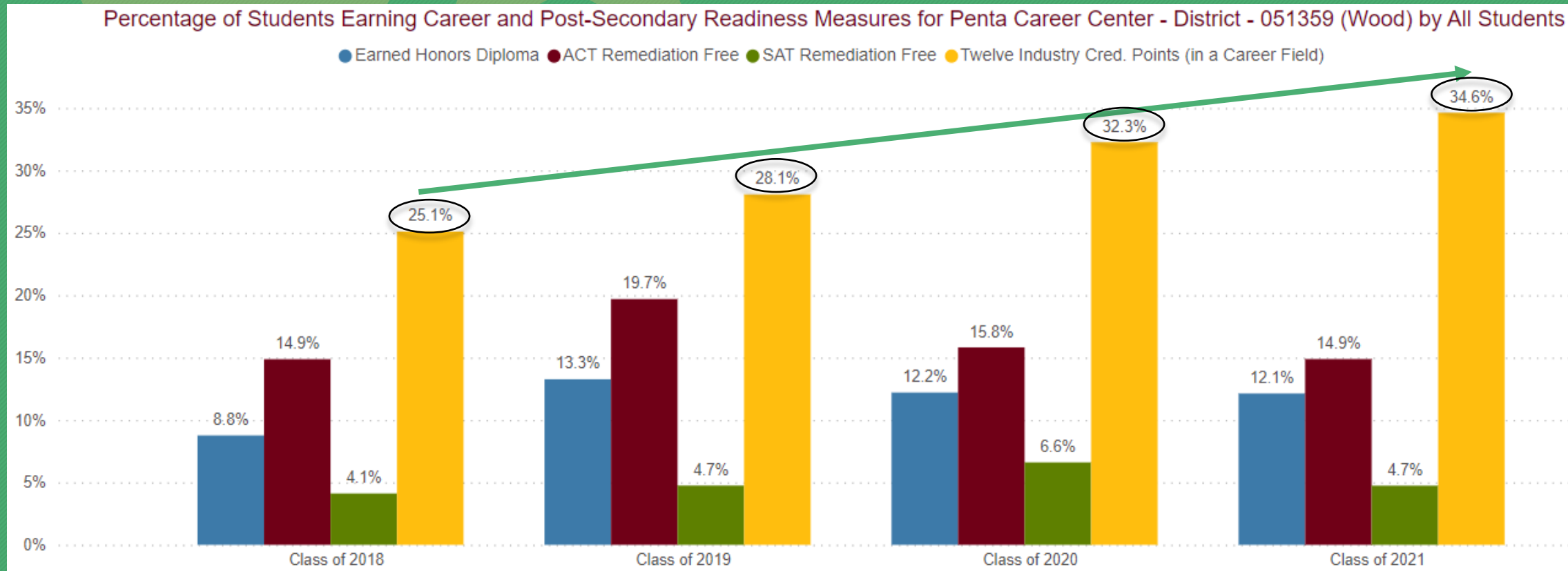
The Number of CCP
College Credits
Earned by School Year



Industry-Recognized Credentials



This chart highlights the percent of students earning a 12-Point Industry Credential or Bundle of Credentials by school year.



The data was provided by the Ohio Department of Education through the Career & Post-Secondary Readiness report.

Penta's 5C Days-WBL Mondays for the 2021-2022 School Year



Career **P**reparation
Career **E**xploration
Career **N**avigation
Career **T**raining
Career **A**wareness

Students engage in the following learning opportunities created by CT teachers and their respective CTSO partners:

- *Soft-skills training*
- *Guest speakers*
- *College visits*
- *Business and industry visits*
- *Training options in various career pathways*
- *Industry-credential training*
- *Job shadowing experiences*
- *Unpaid and paid internships*
- *Clinical experiences*
- *Industry-partner collaboration opportunities*
- *School-to-work experiences*
- *Service learning experiences*
- *Work experiences*

Work-based learning opportunities add depth and meaning to students' learning experiences. When paired with opportunities to experience the CT program subject matter firsthand, learning becomes more meaningful and relevant to students. Students then become more engaged and excited about their education and future prospects.

Labor Market Alignment



Ohio Governor's Office of Workforce Development Top Jobs Ranked by Projected Annual Growth for the Northwest Region as of 2.7.2022

| Industry | Job Category | Projected Annual Growth | Current Employment | Anticipated Openings | Alignment with Career Field Offerings |
|-----------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------|--------------------|----------------------|---------------------------------------|
| 1. Home Health Aides (Direct Support Professional) | Healthcare Support Occupations | 122 | 4728 | 122 | Yes-Secondary |
| 2. Personal and Home Care Aides (Direct Support Professional) | Personal Care and Service Occupations | 112 | 4666 | 112 | Yes-Primary |
| 3. Registered Nurses | Healthcare Practitioners and Technical Occupations | 66 | 12060 | 660 | Yes-Secondary |
| 4. Medical Assistants | Healthcare Support Occupations | 59 | 3403 | 427 | No |
| 5. Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic | Production Occupations | 35 | 4935 | 496 | Yes-Primary |
| 6. Construction Laborers | Construction and Extraction Occupations | 33 | 4975 | 511 | Yes-Primary |
| 7. Industrial Truck and Tractor Operators | Transportation and Material Moving Occupations | 29 | 5791 | 607 | Yes-Secondary |
| 8. Medical Secretaries | Office and Administrative Support Occupations | 28 | 3340 | 383 | Yes-Primary |
| 9. Laborers and Freight, Stock, and Material Movers, Hand | Transportation and Material Moving Occupations | 28 | 11733 | 1461 | No |
| 10. Electricians | Construction and Extraction Occupations | 28 | 3781 | 415 | Yes-Primary |
| 11. Machinists | Production Occupations | 26 | 4315 | 434 | Yes-Primary |
| 12. Market Research Analysts and Marketing Specialists | Business and Financial Operations Occupations | 25 | 1541 | 173 | Yes-Secondary |
| 13. Landscaping and Groundskeeping Workers | Building and Grounds Cleaning and Maintenance Occupations | 25 | 4197 | 533 | Yes-Primary |
| 14. Heavy and Tractor-Trailer Truck Drivers | Transportation and Material Moving Occupations | 24 | 9400 | 984 | No |
| 15. Industrial Machinery Mechanics | Installation, Maintenance, and Repair Occupations | 22 | 2537 | 233 | No |

Top 15 Occupations Ranked by **Projected Annual Growth** for the Northwest Region

Ohio Governor's Office of Workforce Development Top Jobs Ranked by Anticipated Openings for the Northwest Region as of 2.7.2022

| Industry | Job Category | Projected Annual Growth | Current Employment | Anticipated Openings | Alignment with Career Field Offerings |
|-----------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------|--------------------|----------------------|---------------------------------------|
| 1. Laborers and Freight, Stock, and Material Movers, Hand | Transportation and Material Moving Occupations | 28 | 11733 | 1461 | No |
| 2. Heavy and Tractor-Trailer Truck Drivers | Transportation and Material Moving Occupations | 24 | 9400 | 984 | No |
| 3. Registered Nurses | Healthcare Practitioners and Technical Occupations | 66 | 12060 | 660 | Yes-Secondary |
| 4. Maintenance and Repair Workers, General | Installation, Maintenance, and Repair Occupations | 17 | 6903 | 618 | Yes-Secondary |
| 5. Industrial Truck and Tractor Operators | Transportation and Material Moving Occupations | 29 | 5791 | 607 | Yes-Secondary |
| 6. First-Line Supervisors of Food Preparation and Serving Workers | Food Preparation and Serving Related Occupations | 14 | 4260 | 607 | Yes-Secondary |
| 7. Landscaping and Groundskeeping Workers | Building and Grounds Cleaning and Maintenance Occupations | 25 | 4197 | 533 | Yes-Primary |
| 8. Construction Laborers | Construction and Extraction Occupations | 33 | 4975 | 511 | Yes-Primary |
| 9. Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic | Production Occupations | 35 | 4935 | 496 | Yes-Primary |
| 10. General and Operations Managers | Management Occupations | 15 | 5601 | 436 | No |
| 11. Machinists | Production Occupations | 26 | 4315 | 434 | Yes-Primary |
| 12. Medical Assistants | Healthcare Support Occupations | 59 | 3403 | 427 | No |
| 13. Electricians | Construction and Extraction Occupations | 28 | 3781 | 415 | Yes-Primary |
| 14. Helpers-Production Workers | Production Occupations | 14 | 2824 | 400 | Yes-Primary |
| 15. Medical Secretaries | Office and Administrative Support Occupations | 28 | 3340 | 383 | Yes-Primary |

Top 15 Occupations Ranked by **Anticipated Openings** for the Northwest Region



97.4 %

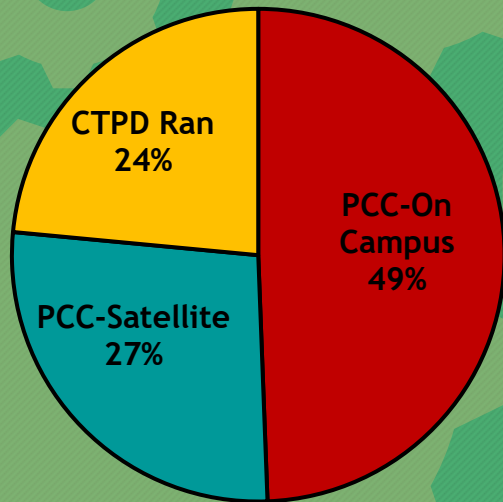
The percent of on-campus programs aligned to In-Demand Jobs in our region



Size, Scope and Quality

Number of Career-Technical pathways and programs offered through the CTPD: 85 Programs through 30 different Pathways.
Penta Career Center Pathway and Programs: Penta Career Center offers 26 Pathways with 65 different programs.

PENTA CTPD PROGRAMS



On-Campus:

22 Pathways and 42 Programs

CT Level I Programs- 8
CT Level II/III Programs- 26
Sophomore Exploratory Programs- 5
Senior Only Credentialing Programs- 1
Senior Only Programs (non-credentialing)- 1
Job Training Coordination- 1

Satellite Locations:

7 Pathways and 23 Programs

Satellite CT Middle School Programs- 5
Satellite CT Programs- 17
Satellite Senior-Only Programs (non-credentialing)- 1

Satellite Locations Include:

Anthony Wayne, Bowling Green, Eastwood, Genoa, Maumee, Northwood, Oak Harbor, Otsego, Perrysburg, Rossford, Swanton, Woodmore

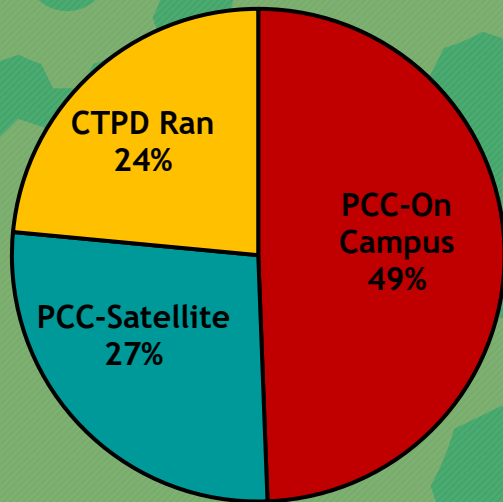
The data does not include FCS or CBI.

Size, Scope and Quality

Number of pathways and programs offered through the CTPD: 85 Programs through 30 different Pathways.

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PENTA CTPD PROGRAMS



Schools within the CTPD running their own CT Programs

5 schools: Eastwood, Elmwood, Ohio Virtual Academy, Perrysburg, Springfield

13 Pathways and 20 Programs

CT Middle School Programs- 4

CT Programs- 13

Senior Only Credentialing Programs- 3

The data does not include FCS or CBI.

Penta Career Center's Adult Education offers short-term, stackable training options to meet the needs of business and industry, while increasing the skill set and wages of employees.



Short Term Training Options - 5-15-weeks

Dental Assisting- Become a certified Dental Assistant. Learn to take x-rays and impressions, assist with dental procedures and provide patient care (15 weeks)

Information Technologies: A+ Certification- Students will prepare for the CompTIA A+ certification exam. This course will focus on installing and configuring computer hardware, software, systems, networks, and printers (15 weeks)

Phlebotomy- Become a certified Phlebotomist. Learn how to draw blood and administer additional medical tests (15 weeks)

Precision Machining- Learn precision measurement, operate mill/lathe, and become familiar with CNC programming (8 weeks)

Welding 1- Learn the basics (5 weeks)

Welding 2- Learn advanced skills and practice (5 weeks)

Welding 3- Explore fabrication and other advanced techniques (5 weeks)

2022-2023 TRAINING CLASSES



Penta provides customized training based on your business and industry needs. Training can be provided on-site or at one of our Penta locations. One of our staff will work with your company representative to develop the customized training needed for your employees.



Introductory Courses – 8 – 16 weeks

These individual courses are designed to provide a beginner's level experience in the areas of:

- | | | |
|------------------|-----------------|------------|
| Carpentry/Repair | HVAC | Electrical |
| Plumbing | Turf Management | |

**2022-2023
TRAINING CLASSES**



**Maumee Valley
Operation Managers (MVOM)**

Penta offers full time training options focused on in-depth skills and credentials needed in the workforce.



Full Time Options - 36 weeks (600 hrs.)

- | | |
|-----------------|--------------|
| Auto Technology | Construction |
| HVAC | Welding |

**2022-2023
TRAINING CLASSES**



COMPETE. IMAGINE.

Discover Your Passion!



Contact:
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Thank you for attending!

PENTA
CAREER CENTER