Pesto Academy

Michigan Apprenticeship Readiness Certificate (MARC) - proposed, discussion only

Keith E. Kelly, 2/13/2024

Version 1.1

Phase I - Reach

The Cisco Introduction to Cybersecurity course will be delivered both in-person and virtually.

This initial phase focuses on building brand awareness and visibility of Pesto Academy workforce development initiative. Jesse and apprentices will be featured at the start and end of each session. Completers will be encouraged to enroll in the Phase II MARC program.

- 1. Introduction to Cybersecurity 6 hrs
 - a. https://skillsforall.com/course/introduction-to-cybersecurity?courseLang=en-US

Phase II - MARC

What are the Elements of a Quality Pre-Apprenticeship Program?

Quality pre-apprenticeship programs can play a valuable role in providing work-based learning to help people prepare for an entry-level RAP. While Pre-Apprenticeship programs have varied designs and approaches, the Department of Labor has outlined the elements of a quality pre-apprenticeship program that can place an individual on the potential career pathway to employability though a RAP:



CURRICULUM Training that is based on industry

standards and approved by a RAP partner



SIMULATED EXPERIENCE

Hands-on training or volunteer opportunities that do not displace paid employees



FACILITATED ENTRY

Agreements with RAP sponsors that allow program participants to enter directly into a RAP



INCREASED DIVERSITY

Recruit and prepare underrepresented populations to be successful in a RAP. learn more about **Diversity and Inclusion**



SUPPORTIVE SERVICES

Wrap-around services or referrals to help participants complete the program (e.g childcare, transportation)



SUSTAINABLE PARTNERSHIPS

Collaboratively promote
Registered Apprenticeship to
other employers

Curriculum (Proposed)

- 1. Computer Hardware Basics 6 hrs
 - a. https://skillsforall.com/course/computer-hardware-basics?courseLang=en-US
- 2. Operating System Basics 12 hrs
 - a. https://skillsforall.com/course/operating-systems-basics?courseLang=en-US
- 3. Introduction to Data Science 6 hrs
 - a. https://skillsforall.com/course/introduction-data-science?courseLang=en-US
- 4. Network Basics 22 hrs
 - a. https://skillsforall.com/course/networking-basics?courseLang=en-US
- 5. Python Essentials I 30 hrs
 - a. https://skillsforall.com/course/python-essentials-1?courseLang=en-US
 - b. Instructor led experience, Marc capstone
 - c. RAPQ Enrollment, cohort feeder
- 6. Total 76 hours

Schedule

Hybrid delivery. In person session combined with Cisco NetAcad course completion and credentials

- March, 2024 Introduction to Cybersecurity 2 sessions
- April, 2024 Operating System Basics 2 session
- May, 2024 Computer Hardware Basics 1 session
- Introduction to Data Science 1 session
- Networking, Python TBD

Location

Petoskey District Library Classroom – 5:00 to 6:30 Networking at Northcoast.Work after

Materials

- Cisco Skills for All no cost, self-registration
- Petoskey Library classroom no cost?
- Workstations
 - o Keyboard, mice, monitors, power, SD cards purchased
 - Need updated Raspberry Pis (V3 replaced with V5?)
 - o \$75 * 16 = \$1,200
- Networking events?

Marketing

- Library
- Char-Em ISD
- Thrive45
- Strive
- Rotary
- Petoskey School Robotics

Sponsorship?

- Rotary
- NLEA
- Great Lakes Energy
- Other employers