

Grant Project Descriptions

Ivy Tech Community College of Indiana, Indianapolis, IN

Organization Type: Institution of Higher Education - Community College

Project Name: *Industrial Internet of Things Apprenticeship Expansion (IloTAE)*

Award Amount: \$3,977,255

Target H-1B Industry Sector(s): Advanced Manufacturing

Target H-1B Occupations: Automated Systems Specialist, Production System Specialist, IT Operations Specialist

Credential(s) Awarded: Certificate, Technical Certificate, AAS; Certifications: Mechatronics, MSSC: CPT, FANUC, NIMS, Fusion 360, SIEMENS, Auto Desk, CISCO

New or Existing Apprenticeship Program: Both

Cybersecurity and AI: Both

Summary of Apprenticeship Program Activities: Ivy Tech Community College of Indiana was awarded \$3,977,255 for the *Industrial Internet of Things Apprenticeship Expansion (IloTAE)* project. IloTAE will include new curriculum to lead to the Industry 4.0 credential through Smart Automation Certification Alliance (SACA) built on an existing apprenticeship platform that has a proven track record of employee engagement and apprenticeship completion. A hybrid of Ivy Tech's Advanced Automation and Robotics (AART) and the Industrial Apprenticeship degree programs will be modified into a Workforce Alignment AAS degree with additional coursework and elective options to meet the Industry 4.0 needs. Students will earn the SACA credential as a capstone to the program. Student will complete several other industry certifications that will make them even more valuable to employers. The Apprenticeship Partnership is comprised of industry-specific partner Indiana Manufacturers Association (IMA), National Association of Manufacturers (NAM); employer partners Cummins; ClearObject; FCA; LHP Engineering Solutions; Major Tool & Machine; and the American Association of Community Colleges (AACC) and State Department of Workforce Development (DWD). The program will serve 3,200 unemployed, underemployed, and incumbent workers with a focus on veterans, military spouses and transitioning service members, individuals affected by workforce automation or displacement, underrepresented populations, including women and minorities, homeless, and those recovering from opioid addiction, across the State of Indiana including those in Opportunity Zones.

Geographic Scope: Statewide **Service Area:** Indiana **Opportunity Zone:** Yes

Proposed Number of Apprentices Served: 3,200

Target Population: Unemployed, underemployed, and incumbent workers with a focus on veterans, military spouses and transitioning service members, individuals affected by workforce automation or displacement, underrepresented populations, including women and minorities, homeless, those recovering from opioid addiction.

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