

## Grant Project Descriptions

### Overview of the H-1B Apprenticeships: Closing the Skills Gap Grant Program

The U.S. Department of Labor, Employment and Training Administration awarded \$99,281,216 in grant investments to 28 grantees for the H-1B Apprenticeships: Closing the Skills Gap grant program in February 2020.

The primary goal of this grant program is to increase apprenticeship opportunities for all Americans by accelerating the expansion of apprenticeships to industry sectors and occupations that have not traditionally deployed apprenticeships for building a skilled workforce, such as advanced manufacturing, cybersecurity, artificial intelligence, and health care; and by promoting the large-scale expansion of apprenticeships across the nation to a range of employers, including small and medium-sized employers.

The Apprenticeships: Closing the Skills Gap grantees are represented by 17 Institutions of Higher Education (IHE) and 11 Nonprofit Trade, Industry, or Employer Associations; Labor Unions; or Labor Management Organizations. All grant projects feature an Apprenticeship Partnership, which is comprised of public and private sector entities that include the lead applicant, an IHE (if the lead applicant is not an IHE), employer partners, and optional partners. The optional partners can include organizations to support outreach and training activities, Small Business Development Centers, community organizations that provide social support and/or wrap-around services, and optional workforce partners.

#### **Program Activities:**

The Apprenticeships: Closing the Skills Gap grant program will expand apprenticeship opportunities within H-1B occupations and industry sectors, particularly those sectors that have not deployed apprenticeships on a large scale previously. These include in-demand cybersecurity professions and emerging occupations involving artificial intelligence (AI) across several industry sectors.

Grantees will increase the number and types of workers participating as apprentices by establishing new apprenticeship programs or expanding existing apprenticeship programs; creating the training infrastructure/network to deploy the new programs; promoting apprenticeship programs on a local/regional, statewide, or national scale; and developing training activities for an expanded pool of individual apprentices in the newly certified or expanded programs.

Grantees proposed new or expanded apprenticeship programs in H-1B Industries: Advanced Manufacturing, Healthcare and Information Technology; with some grantees paying a particular focus on cybersecurity and artificial intelligence in the manufacturing and clean energy industry, wireless technology and broadband, and artificial intelligence in the transportation and supply chain industry.

**Provided are descriptions of individual grant projects. These project descriptions are from grantee proposals and may change, if approved by DOL, during grant implementation.**

## Grant Project Descriptions

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## Grant Project Descriptions

Aerospace Machinist Joint Training Committee, Seattle, WA

**Organization Type:** Labor management

**Project Name:** Manufacturing Apprenticeship Partnership for Excellence and Expansion (MAPX)

**Award Amount:** \$996,390

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

**Target H-1B Occupations:** Machinist; CNC Machinist; Industrial Maintenance Mechanics; Tool & Die Maker; Front-Line Supervisor of Production Workers; Mechanic Engineer

**Credential(s) Awarded:** Journey-level card; Associate of Applied Science-Transfer Degree; Bachelor of Applied Science-Transfer Degree

**New or Existing Apprenticeship Program:** New and Existing Apprenticeship Programs

**Cybersecurity and AI:** No

**Geographic Scope:** Statewide

**Service Area:** WA, specifically Puget Sound Region (Seattle/King, Pierce, and Snohomish counties; Eastern WA (Yakima Valley, Spokane Valley)

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 830

**Authorizing Official Contact:** Demetria Strickland; Executive Director; 206-456-8861;

[lstrickland@ajactraining.org](mailto:lstrickland@ajactraining.org)

## Grant Project Descriptions

AFL-CIO Working for America Institute, Washington, DC

**Organization Type:** Labor Union

**Project Name:** Partnership for Advanced Manufacturing Apprenticeship (PAMA)

**Award Amount:** \$6,000,000

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

**Target H-1B Occupations:** Multiple occupations

**Credential(s) to be Awarded:** Journey Worker, Academic credit, Industry certifications

**New or Existing Apprenticeship Program:** Both existing and new Registered Apprenticeship Programs

**Cybersecurity and AI:** PAMA will include the development of training modules for Registered Apprentices in both Cybersecurity and AI, and new national RA programs.

**Geographic Scope:** National Scope

**Service Area:** California, Illinois, Michigan, Minnesota, New Jersey, New York, Ohio, Pennsylvania, Washington, and Wisconsin

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 5,000

**Authorizing Official Contact:** Amanda Ballantyne; Executive Director; 202-637-3966;  
[aballantyne@afcio.org](mailto:aballantyne@afcio.org)

## Grant Project Descriptions

Alamo Community College District, San Antonio, TX

**Organization Type:** Institution of Higher Education - Community Colleges

**Project Name:** Alamo Colleges Health Care Apprenticeship Partnership

**Award Amount:** \$1,000,000

**Target H-1B Industry Sector(s):** Health care

**Target H-1B Occupations:** Pharmacy Technician; Medical Billing & Coding; Community Health Worker; Medical Records/Health Info; Medical Assistant; Radiation Technician

**Credential(s) Awarded:** Pharmacy Tech Cert. Board; American Academy of Professional Coders; Community Health Worker – Level 1 Certificate; Industry-recognized credential (TBD); National; Health Career Assoc.; Medical Assistant Certificate; Certified Rhythm Analysis Technician

**New or Existing Apprenticeship Program:** A new apprenticeship program

**Cybersecurity and AI:** Cybersecurity

**Geographic Scope:** Local/Regional

**Service Area:** Atascosa, Bandera, Bexar, Comal, Guadalupe, Kendall, Kerr, Wilson, and the cities of New Braunfels, Seguin, Kerrville and San Antonio

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 800

**Authorizing Official Contact:** Xavier Urrutia; Interim Vice Chancellor of Economic & Workforce Development; 210- 485-0015; [xurrutia@alamo.edu](mailto:xurrutia@alamo.edu)

## Grant Project Descriptions

American Association of Port Authorities, Alexandria, VA

**Organization Type:** Industry Association

**Project Name:** Strong, Secure National Ports & Supply Chain (SNaPS)

**Award Amount:** \$5,888,738

**Target H-1B Industry Sector(s):** IT and IT-related Industries; Advanced Manufacturing

**Target H-1B Occupations:** IT and IT-related Occupations

**Credential(s) Awarded:** USDOL/SAA Journeyworker Credential or Certificate of Completion (Registered Apprenticeship); USDOL/SAA Journeyworker Credential or Certificate of Completion

**New or Existing Apprenticeship Program:** SNaPS will create both new registered (RA) and non-Registered Apprenticeship programs and expand existing RA programs

**Cybersecurity and AI:** Cybersecurity

**Geographic Scope:** National **Service Area:** Upper Midwest/Inland Waterways Region – Indiana; Mid-Atlantic – Baltimore, MD, Hampton Roads, VA; Gulf Coast – Houston, TX; Houma - Thibodeaux, LA; West Coast – Long Beach - Los Angeles - Anaheim, CA

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 5,445

**Authorizing Official Contact:** MaryBeth Long; Vice President of External Affairs; 703-706-4707; [mlong@aapa-ports.org](mailto:mlong@aapa-ports.org)

## Grant Project Descriptions

Argentum, Alexandria, VA

**Organization Type:** Nonprofit Industry Association

**Project Name:** Healthcare Apprenticeship Expansion Program (HAEP)

**Award Amount:** \$5,991,235

**Target H-1B Industry Sector(s):** Healthcare and IT/Cybersecurity

**Target H-1B Occupations:** Licensed practical nurses, registered nurses, rehabilitation technicians, and pharmacy technicians; supervisors and executive Directors of Assisted Living Communities; and Healthcare Cybersecurity Specialists

**Credential(s) Awarded:** Nursing: CAN, Advanced CAN, Med Tech, LPN, RN, and BSN; Leadership: NHA Executive Director License, CDAL Certificate; IT: CompTIA, SCCP OT License; Therapeutic: OT License; Pharmacy: PTCB Certification

**New or Existing Apprenticeship Program:** Both

**Cybersecurity and AI:** Cyber

**Geographic Scope:** National

**Service Areas:** AL, AK, AZ, CA, CO, CT, FL, GA, IA, ID, IL, IN, KS, KY, LA, MA, MI, NE, NM, NV, NY, NJ, OH, OR, PA, RI, SC, TE, TX, VA, VT, WI, WV

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 7,239

**Authorizing Official Contact:** Ashante Abubakar; Vice President of Workforce Development; 571-527-2630; [aabubakar@argentum.org](mailto:aabubakar@argentum.org)

## Grant Project Descriptions

Arizona Board of Regents on behalf of Arizona State University, Tempe, AZ

**Organization Type:** Institution of Higher Education

**Project Name:** ASU Digital Workforce Apprenticeship Partnership

**Award Amount:** \$1,999,285

**Target H-1B Industry Sector(s):** Advanced Manufacturing; Health Care; IT and IT-related Industries

**Target H-1B Occupations:** Computer and Information Analysts, Computer Systems Analysts, Information Security Analysts, Software Developers and Programmers, Computer Support Specialists, Management Analysts

**Credential(s) Awarded:** Bachelors and Masters Degrees; certificates in Business Analysis, Cybersecurity and Data Science

**New or Existing Apprenticeship Program:** New Apprenticeship Program

**Cybersecurity and AI:** Both

**Geographic Scope:** Statewide and National

**Service Area:** Arizona and cities served by employer partners

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 2,300

**Authorizing Official Contact:** Lindsey Forry; Grant & Contact Officer; 480-727-4203; [ASU.awards@asu.edu](mailto:ASU.awards@asu.edu)



## Grant Project Descriptions

Arkansas Division of Higher Education, Little Rock, AR

**Organization Type:** State Higher Education Department

**Project Name:** Transforming IT Apprenticeships Now (TITAN)

**Award Amount:** \$2,000,000

**Target H-1B Industry Sector(s):** IT and IT-related Industries

**Target H-1B Occupations:** Cyber Security; Java, IT, Net, IOS/Android Developer; Software Tester; Data Analyst; Network Tech; Systems Admin; Web Des.

**Credential(s) Awarded:** Security Plus; Comptia; Epoch; Network Plus; PMI Cert.

**New or Existing Apprenticeship Program:** Both

**Cybersecurity and AI:** Cybersecurity

**Geographic Scope:** Statewide

**Service Area:** Jefferson, Grant, Dallas, and Clark County

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 1,600

**Authorizing Official Contact:** Maria Markham; Director; 501-371-2030; [maria.markham@adhe.edu](mailto:maria.markham@adhe.edu)

## Grant Project Descriptions

Colorado Community College System, Denver, CO

**Organization Type:** Community College System Office

**Project Name:** CO-TECH

**Award Amount:** \$2,000,000

**Target H-1B Industry Sector(s):** IT and IT-related industries

**Target H-1B Occupations:** Computer user support specialists, computer systems analysts, software developers (applications), web developers, computer programmers, computer occupations (all others), software development/systems software, computer and information research scientists computer hardware engineers, computer network support specialists, database administrators, network and computer systems administrators, computer network architects, information security analysts

**Credential(s) Awarded:** Computer Support Technician; Cert., GIS Cert., CompTIA A+, CIS Cert., Web Technologies; Cert., Computer Programming Cert., Computer Networking Cert., CompTIA Network+, Cisco, CompTIA Security+, RA Completion, Cybersecurity Cert.

**New or Existing Apprenticeship Program:** Both

**Cybersecurity and AI:** Cybersecurity

**Geographic Scope:** Statewide

**Service Area:** Denver's Front Range and Pueblo (Economic Development Regions #2, 3, 4 and 7) and will expand to all of Colorado

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 1,600

**Authorizing Official Contact:** Michael Macklin; Associate Vice Chancellor; 720-858-2855;  
[michael.macklin@cccs.edu](mailto:michael.macklin@cccs.edu)

## Grant Project Descriptions

Electrical Training Alliance, Bowie, MD

**Organization Type:** Electrical Industry Sector

**Project Name:** Interim Credential Electrical Apprenticeship Program (ICEAP)

**Award Amount:** \$5,998,953

**Target H-1B Industry Sector(s):** Advanced Manufacturing; IT and IT-related Industries

**Target H-1B Occupations:** Electrical Engineers, Electronic Engineers, and Network and Computer Administrators, Electrical Engineering Technician, Electronic Engineering Technician, Computer Network Support Specialist

**Credential(s) Awarded:** Industry-recognized credentials with 2,000 hours of Paid Work/On-the-Job Training. A Certificate of Completion will be given to all successful apprentices and an opportunity to receive up to 8 credit hours by EA and/or CCAC.

**New or Existing Apprenticeship Program:** New  
**Cybersecurity and AI:** AI

**Geographic Scope:** National

**Service Area:** All 50 States

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 5,000

**Authorizing Official Contact:** Todd Stafford; Executive Director; 301-715-2300;  
[tstafford@electricaltrainingalliance.org](mailto:tstafford@electricaltrainingalliance.org)

## Grant Project Descriptions

Florida Alcohol and Drug Abuse Association, Tallahassee, FL

**Organization Type:** Non-profit trade association

**Project Name:** HealthQuest

**Award Amount:** \$6,000,000

**Target H-1B Industry Sector(s):** Health care

**Target H-1B Occupations:** Clinical social workers, mental health counselors, marriage and family therapists, addiction professionals, clinical case managers, clinical specialists, and registered nurses with specialties in addiction.

**Credential(s) Awarded:** Combination of college-credits, college and advanced degrees, and state licensure as appropriate for the individual to attain independent work status, examples include Certified Addiction Specialist, Certified Addiction Counselor, and Certified Addiction Professional.

**New or Existing Apprenticeship Program:** New and existing

**Cybersecurity and AI:** No

**Geographic Scope:** National

**Service Area:** Florida, California

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 5,000

**Authorizing Official Contact:** Melanie Brown-Woofter, Executive Director; 850-878-2196;  
[melanie@floridabha.org](mailto:melanie@floridabha.org)

## Grant Project Descriptions

Goodwin College, Inc., East Hartford, CT

**Organization Type:** Institution of Higher Education

**Project Name:** Connecticut Manufacturing Workforce Development Initiative

**Award Amount:** \$2,000,000

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

**Target H-1B Occupations:** Aerospace Engineers & Technicians; Calibration Technician; Manufacturing Productions Technicians; Manufacturing Quality Inspector; General & Operations Managers; Machinists; Quality Control; Shipping/Receiving Supervisor & Analyst; Computer Systems Analysts; Computer Security Specialists

**Credential(s) Awarded:** Certificate of Completion

**New or Existing Apprenticeship Program:** Both

**Cybersecurity and AI:** Cybersecurity

**Geographic Scope:** Statewide

**Service Area:** Connecticut

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 1,600

**Authorizing Official Contact:** Mark Scheinberg; President; 860-727-6757; [MScheinberg@goodwin.edu](mailto:MScheinberg@goodwin.edu)

## Grant Project Descriptions

Healthcare Career Advancement Program (H-CAP), Inc., New York, NY

**Organization Type:** Labor/management organization

**Project Name:** H-CAP Apprenticeship Expansion Project (AEP)

**Award Amount:** \$4,000,000

**Target Industry:** Healthcare and health care-related industries

**Target Occupations:** Health care Industry occupations in nursing (ex. Registered Nurse, Licensed Vocational Nurse); professional and technical occupations (ex. Radiologic Technologist, Pharmacy Technician); community-based care occupations (ex. Community Health Worker, Medical Assistant); Administration (ex. Medical Coder, Cybersecurity Analyst).

**Credentials Awarded:** NCC AP - NCAC I/II, CHW Certification (issued by states), ARRT-RT, ARRT-IR NHA-CCMA, NMI Certification, COT, NHA or PTCB CPhT, IAHCSMM, CRCST, NCCT, and CompTIA CySA+CISSP,

**New or Existing Apprenticeship Program:** Both

**Cybersecurity and AI:** Cybersecurity

**Geographic Scope:** National

**Service Area:** CA, CO, MA, MD, MI, MN, NC, NJ, NV, NY, PA, OH, OR, RI, TX, VA, WA

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 3,200

**Authorizing Official Contact:** Daniel Bustillo; Executive Director; 646-463-3729;  
[daniel.bustillo@hcapinc.org](mailto:daniel.bustillo@hcapinc.org)

## Grant Project Descriptions

Idaho State Board of Education, Boise, ID

**Organization Type:** State system of higher education

**Project Name:** Idaho Apprenticeship Partnership (IAP)

**Award Amount:** \$1,998,139

**Target H-1B Industry Sector(s):** Advanced Manufacturing, Healthcare, IT

**Target H-1B Occupations:** Medical Assistant; Cyber Security Support Technician

IT Generalist; Electrician, HVAC, Plumbing, Machine Operator, Maintenance Technician, Machine Tool Technology, Welding, Quality Assurance Technician, Industrial Sewing, Automation/Control Technician, Processing Technician, Energy Systems Technician, Central Sterile Processing, Dental Assistant, Veterinary Technician, Dispensing Optician, Certified Nursing Assistant, Pharmacy Technician, Computer Networking, Web Development.

**Credential(s) Awarded:** AWS Welding Certifications, 10/30 General Industry, Hazard Analysis Critical Control Point, Certified Medical Assistant, Certified Nursing Assistant, Pharmacy Technician certification (CPhT), NCPTA, Compounding, CompTIA A+ certification, Cisco Certified Entry Networking Technician (CCNT) certification, CompTIA Net+ certification

**New or Existing Apprenticeship Program:** Both

**Cybersecurity and AI:** Cyber

**Geographic Scope:** Statewide

**Service Area:** State of Idaho

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 2,387

**Authorizing Official Contact:** Adrian San Miguel; Postsecondary Director; 208-429-5542;  
[adrian.sanmiguel@cte.idaho.gov](mailto:adrian.sanmiguel@cte.idaho.gov)

## 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 (IIoTAE)

**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

**Geographic Scope:** Statewide

**Service Area:** Indiana

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 3,200

**Authorizing Official Contact:** Dominick Michael Chase; Senior Vice President/CFO; 317-649-3612;  
[dchase@ivytech.edu](mailto:dchase@ivytech.edu)



## Grant Project Descriptions

Missouri Chamber Foundation, Jefferson City, MO

**Organization Type:** Non-profit industry association

**Project Name:** Industry-Driven IT Apprenticeships

**Award Amount:** \$6,000,000

**Target H-1B Industry Sector(s):** IT and IT- related industries

**Target H-1B Occupations:** Computer Programmer, Computer Support Specialist, Computer Systems Analyst, IT Project Manager, Systems Security Analyst

**Credential(s) Awarded:** DOL Nationally Recognized Apprenticeship Credential

**New or Existing Apprenticeship Program:** Both

**Cybersecurity and AI:** Cybersecurity

**Geographic Scope:** National

**Service Area:** Kansas City Metropolitan Service Area, Missouri, Kansas, Colorado, Pennsylvania, Texas

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 5,335

**Authorizing Official Contact:** Karen Buschmann; Vice President of Marketing; 573-694-4271;

[kbuschmann@mochamber.com](mailto:kbuschmann@mochamber.com)

## Grant Project Descriptions

North Carolina State University, Raleigh, NC

**Organization Type:** Institution of Higher Education

**Project Name:** Artificial Intelligence Academy (AIA): North Carolina's Apprenticeships for Innovation

**Award Amount:** \$5,999,799

**Target H-1B Industry Sector(s):** IT and IT Related Industries

**Target H-1B Occupations:** AI: Research Scientist, Programmer Analyst, Senior IT Programmer Analyst, IT Business Analyst, Senior Business Analyst, Data Scientist, Software Engineer (Machine Learning), Machine Learning Engineer, Machine Learning Specialist, Machine Learning Scientist, Data Architect, Financial Data Architect, Data Architect Manager, Data Analyst, Big Data Architect, Data Modeler, Software Analyst, Software Developer, Computer Programmer, Computer and Information Research Scientist, Business Intelligence Developer

**Credential(s) Awarded:** Two credential levels (Level 1: Basic A.I.; Level 2: Advanced A.I.). DOL Apprenticeship Certificates, Certified Software Business Analyst, Certifies Associate Business Analyst, IQBBA Business Analyst Certification, Certified Software Analyst, Certified Data Scientist, Big Data Foundation Certification, Red Hat Certified Architect, Specialist- Data Scientist, Advanced Analytics Version 1.0

**New or Existing Apprenticeship Program:** New

**Cybersecurity and AI:** AI

**Geographic Scope:** National

**Service Area:** U.S.

**Opportunity Zone:** No

**Proposed Number of Apprentices Served:** 5,000

**Authorizing Official Contact:** Sherrie Settle; Director of Sponsored Programs; 919-515-2444;

[sesettle@ncsu.edu](mailto:sesettle@ncsu.edu)

## Grant Project Descriptions

Oakland Community College, Auburn Hills, MI

**Organization Type:** Institution of Higher Education - Community College

**Project Name:** MI-APPRENTICESHIP

**Award Amount:** \$4,000,000

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

**Target H-1B Occupations:** CNC tool programmers and machinists, and software development

**Credential(s) Awarded:** DOL Industry Recognized Credential

**New or Existing Apprenticeship Program:** Both

**Cybersecurity and AI:** No

**Geographic Scope:** 16-County Southeast MI region to statewide expansion

**Service Area:** Primarily 16-county area in SE MI

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 3,200

**Authorizing Official Contact:** Joseph Petrosky; Associate Vice Chancellor of Academic Affairs; 248-221-8186; [jlpetros@oaklandcc.edu](mailto:jlpetros@oaklandcc.edu)

## Grant Project Descriptions

Society for Human Resource Management (SHRM) Foundation, Inc., Alexandria, VA

**Organization Type:** Trade, Industry, or Employer Association

**Project Name:** SHRM Human Resource Specialist Registered Apprenticeship Program (HR RAP)

**Award Amount:** \$972,000

**Target H-1B Industry Sector(s):** Multiple

**Target H-1B Occupations:** Human Resource Specialist

**Credential(s) Awarded:** SHRM - Certified Professional (SHRM-CP)

**New or Existing Apprenticeship Program:** New

**Cybersecurity and AI:** No

**Geographic Scope:** Local/ Regional

**Service Area:** Greater- Chicago Area

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 800

**Authorizing Official Contact:** Wendi Safstrom; Executive Director; 703-535-6065; [Wendi.safstrom@shrm.org](mailto:Wendi.safstrom@shrm.org)

## Grant Project Descriptions

Southern Utah University, Cedar City, UT

**Organization Type:** Institution of Higher Education

**Project Name:** Building Apprenticeship Systems In Cybersecurity (BASIC)

**Award Amount:** \$3,977,088

**Target H-1B Industry Sector(s):** Clean Energy and Advanced Manufacturing

**Target H-1B Occupations:** Computer and Information Systems Managers, Information Security Analyst, Computer Support Specialist Computer Systems Analyst Network and Computer Systems Analyst Network and Computer Systems Analyst

**Credential(s) Awarded:** Registered Apprenticeships CISSP & Pathway Credentials, Associate's Degree Bachelor's Degree, Master's Degree

**New or Existing Apprenticeship Program:** Both existing and new apprenticeship programs

**Cybersecurity and AI:** Cybersecurity

**Geographic Scope:** National

**Service Area:** Utah: Iron, Beaver, and Utah Counties; Michigan: Washtenaw County; Oregon: Clackamas County; Washington: statewide education will be located through employ partner locations and nationwide through online education delivery.

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 3,200

**Authorizing Official Contact:** Sylvia Bradshaw; Director of Sponsored Programs; 435-865-8175; [sylviabradshaw@suu.edu](mailto:sylviabradshaw@suu.edu)

## Grant Project Descriptions

Southwest Tennessee Community College, Memphis, TN

**Organization Type:** Institution of Higher Education

**Project Name:** Greater Memphis Apprenticeship Pathway (GMAP)

**Award Amount:** \$998,405

**Target H-1B Industry Sector(s):** IT and IT related Industries

**Target H-1B Occupations:** Manufacturing and IT Technicians, Manufacturing and IT Engineers, Programmers, Developers, Computer Network Architects

**Credential(s) Awarded:** A+ Certification, CCNET, CCNA, Linux+, CompTIA Security+, CIW Web Foundations

**New or Existing Apprenticeship Program:** A New Apprenticeship Program

**Cybersecurity and AI:** No

**Geographic Scope:** Local/Regional

**Service Area:** The Memphis–Forrest City Combined Statistical Area, the commercial and cultural hub of the Mid-South. Ten counties in three states – Tennessee, Mississippi, and Arkansas.

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 800

**Authorizing Official Contact:** Dr. Tracy Hall; President; 901- 333-4577; [tdhall@southwest.tn.edu](mailto:tdhall@southwest.tn.edu)

## Grant Project Descriptions

The Regents of the University of California (Davis), Davis, CA

**Organization Type:** Institute of Higher Education

**Project Name:** Expanding Apprenticeship and Training to Enable Smart Cities with Enhanced Building Cybersecurity

**Award Amount:** \$5,492,408

**Target H-1B Industry Sector(s):** IT and IT related industries

**Target H-1B Occupations:** IT

**Credential(s) Awarded:** Nevada Electrical Contractors License or California State-Certified General, Power Systems Cybersecurity Certification, CALCTP Certification

**New or Existing Apprenticeship Program:** Existing with new training areas focused on cybersecurity.

**Cybersecurity and AI:** Cybersecurity

**Geographic Scope:** Statewide

**Service Area:** California and Nevada

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 5,182

**Authorizing Official Contact:** Kelly Gilmore; Associate Director of Sponsored Programs; 530-754-8034; [kngilmore@ucdavis.edu](mailto:kngilmore@ucdavis.edu)

## Grant Project Descriptions

The Regents of the University of California (Riverside), Riverside, CA

**Organization Type:** Institute of Higher Education

**Project Name:** Southern California Workforce Needs Assessment for the Transportation and Supply Chain Industry Sectors Project

**Award Amount:** \$999,501

**Target H-1B Industry Sector(s):** Advanced Manufacturing, IT and IT Related Industries

**Target H-1B Occupations:** Operational Research Analyst; Project Manager; Project Engineer; Business Analyst; Supply Chain Planner; Logistics Analyst; Supply Chain Analyst; Construction Engineer. - Apps Software Developer; Technology Architect; QA Engineer; IT Project Manager; Systems Analyst; Software Analyst; Data Engineer; Business Analyst; Business Intel Analyst; Information Security Analyst; Data Risk Analyst; Business Risk Analyst; Security Administrator.

**Credential(s) Awarded:** Certificates-Supply Chain Management; Purchasing; Logistics; Data Science with Excel, R, & Python; Lean Six Sigma; Cybersecurity, Geographic Information Systems Fundamentals; Geographic Information Systems Management; Data Science with Excel, R, & Python; Cybersecurity; Coding Boot Camp; Computer Technician

**New or Existing Apprenticeship Program:** New Apprenticeship Program

**Cybersecurity and AI:** Cybersecurity

**Geographic Scope:** Regional

**Service Area:** Riverside, San Bernardino, Los Angeles, & Orange Counties

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 830

**Authorizing Official Contact:** Karen Garcia; Senior Grant & Contract Officer; 951-827-3692; [awards@ucr.edu](mailto:awards@ucr.edu)



## Grant Project Descriptions

University of Louisville Research Foundation, Inc., Louisville, KY

**Organization Type:** Institution of Higher Education

**Project Name:** Modern Apprenticeship Pathways to Success (MAPS)

**Award Amount:** \$3,999,999

**Target H-1B Industry Sector(s):** Advanced Manufacturing, Healthcare and Information Technology

**Target H-1B Occupations:** Cybersecurity and Artificial Intelligence

**Credential(s) Awarded:** Associate, Bachelor's, and Master's degrees

**New or Existing Apprenticeship Program:** The proposed project includes building new apprenticeship programs. We currently have 49 work-based experiences (e.g., internships, co-ops) across the three target industries. The work of the grant will involve re-designing these to meet the qualifications for an apprenticeship.

**Cybersecurity and AI:** Both

**Geographic Scope:** Regional

**Service Area:** Louisville, KY; St. Louis, MO; Fort Knox and Elizabethtown, KY

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 4,000

**Authorizing Official Contact:** K. R. Trey Bauer III; Associate Director; 502-852-2593;

[trey.bauer@louisville.edu](mailto:trey.bauer@louisville.edu)

## Grant Project Descriptions

Wireless Infrastructure Association, Arlington, VA

**Organization Type:** Trade, industry or employer association

**Project Name:** Wisconsin Industrial Joint Apprenticeship Committee (WIJAC)

**Award Amount:** \$5,997,096

**Target H-1B Industry Sector(s):** IT & IT Related Industries

**Target H-1B Occupations:** New - Utility Communications Technician, New-Small Cell Technician 1 & 2, Telecommunications Tower Technician 1 & 2, Wireless Technician 1 & 2, Telecommunications Tower Antenna & Line Lead, Telecommunications Tower Antenna & Line Lead, Telecommunications Tower Antenna & Line Lead, Telecommunications Tower Antenna & Line Foreman, Telecommunications Tower Construction Lead, Telecommunications Tower Construction Foreman, Maintenance & Condition Assessment Lead, Maintenance & Condition Assessment Foreman, Fiber Optic Technician

**Credential(s) Awarded:** Associate Degree, USDOL Certificate of Completion, NWSA TTT1, TTT2, Foreman, FOA CFOT, WIA Small Cell Certification

**New or Existing Apprenticeship Program:** An existing apprenticeship program (Telecommunications Industry Registered Apprenticeship Program)

**Cybersecurity and AI:** Cybersecurity

**Geographic Scope:** National

**Service Area:** OH, MO, WI, MI, KY, IL, VA, MN, NC, SC, TN, PA, TX, IA, FL, ME, UT, AL, NY, NE, SD, LA, KS, GA, OK, CO, PR

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 5,501

**Authorizing Official Contact:** Brent Weil; Vice President Workforce; 703-869-5355; [Brent.Weil@wia.org](mailto:Brent.Weil@wia.org)

## Grant Project Descriptions

Wisconsin Regional Training Partnership, Inc., Milwaukee, WI

**Organization Type:** Industry Association (Industry Intermediary)

**Project Name:** Wisconsin Industrial Joint Apprenticeship Committee (WIJAC)

**Award Amount:** \$1,998,251

**Target H-1B Industry Sector(s):** Advanced Manufacturing and Industrial Utilities

**Target H-1B Occupations:** Multiple occupations including Cybersecurity Focus on Cybersecurity in Advanced Manufacturing

**Credential(s) Awarded:** Journey Worker, Academic credit, Industry Certifications

**New or Existing Apprenticeship Program:** Both existing and new Registered Apprenticeship Programs

**Cybersecurity and AI:** Cybersecurity

**Geographic Scope:** Statewide

**Service Area:** Statewide

**Opportunity Zone:** Yes

**Proposed Number of Apprentices Served:** 1,600

**Authorizing Official Contact:** Lindsay Blumer; Chief Operating Officer; 414-342-9787; [lblumer@wrtp.org](mailto:lblumer@wrtp.org)