

Project Abstract

- 1. Applicant Name:** University of Alaska Fairbanks (UAF)
- 2. Applicant City/State:** Fairbanks, Alaska
- 3. Consortium Member(s) and Consortium Member State(s):**
 - University of Alaska Fairbanks, Fairbanks, Alaska (UAF)
 - University of Alaska Southeast, Juneau, Alaska (UAS)
 - Prince William Sound Community College, Valdez, Alaska (PWSCC)
- 4. Areas served by the Grant (by city, borough, and state):**
 - State: Alaska
 - Boroughs: Valdez-Cordova, Juneau, Kenai Peninsula, Fairbanks Northstar, and others
 - Cities: Valdez, Juneau, Soldotna, Fairbanks, Delta Junction, and others
- 5. Total Funding Level Requested:** \$8, 075, 351
- 6. Subtotal Requested Funding Amount by Consortium Member (if applicable):**
 - University of Alaska Fairbanks: \$6,018,211
 - University of Alaska Southeast, Juneau: \$1,691,780
 - Prince William Sound Community College, Valdez: \$365,360
- 7. Project Name:** Preparing the Unemployed for the Mining Sector
- 8. Project Description and List of Credentials to be Developed and Awarded:**

The average wage in the mining sector in Alaska is about \$100,000, which is twice the average wage for all other sectors combined. Additionally, due to growth and other factors, the mining sector has difficulty filling positions. In many cases, the training needed for these positions is very short. Therefore, in a paradigm shift for the institutions involved,

partnerships have been formed between doctoral level mining program and community colleges, to create, continue/enhance training opportunities, so that the unemployed can take advantage of the opportunities that exist in the mining sector.

The Human Resources and Workforce Development Committee (HRWDC) of the Alaska Miners Association (AMA) identified mill process operators, mechanics, and underground miners as three of the priority occupations. Therefore, this proposal seeks funding to create or sustain programs to award the following credentials 1) Mill Process Operator (MPO) Occupational Endorsement (OE) 2) Underground New Miner 3) Mine Mechanic (OE) and Mine Mechanic (Associate's). UAF will also create a mill process simulator, a training tool that currently does not exist anywhere in the world. Once developed, this tool will become part of the MPO program.

9. Populations to be Served: TAA-eligible workers, Alaska Natives, youth and the unemployed

10. Targeted Industry(s): Mining

11. Employee Partners: Sumitomo Metal Mining, Hecla, Coeur Alaska, Kinross Gold Corporation

12. Public Work System Partners: Alaska Department of Labor and Workforce Development

13. Other Key Partners: Council for Alaska Producers, Alaska Miners Association

14. Public Contact Information: Rajive Ganguli, (907) 474-7212, rganguli@alaska.edu

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased

Program Materials: 70%, 0% (laboratory content)

16. Data Tags: mill process operator, mill process simulator, underground miner, MSHA, Web-based training, technology-enabled learning, industry-recognized credentials, industry-driven competencies, certificate attainment

Project Abstract

1. Applicant Name: Lawson State Community College (consortium applicant)

2. Applicant City/State: Birmingham, Alabama

3. Consortium Member(s) and Consortium Member State(s) OR Single Institution Project Option:

- Consortium Lead Institution: Lawson State Community College; Birmingham, AL
- Consortium Institution #1: Atlanta Technical College, Atlanta, GA
- Consortium Institution #2: Central Louisiana Technical Community College; Alexandria, LA
- Consortium Institution #3: Copiah-Lincoln Community College; Wesson, LA

4. Areas Served by Grant (by city, county, and state):

State: Alabama **Counties/Parishes:** Jefferson

Cities: Birmingham, Fairfield, Bessemer, Gardendale, Center Point, Trussville, Leeds, Hoover, etc.

State: Georgia **Counties/Parishes:** Fulton and Clayton

Cities: Atlanta, East Point, College Park, Union City, Morrow, Jonesboro, Forest Park, Riverdale, etc.

State: Louisiana **Counties/Parishes:** Allen, Avoyelles, Catahoula, Concordia, Grant, LaSalle, Rapides, Vernon, Winn

Cities: Alexandria, Vidalia, Cottonport, Ferriday, Oakdale, Leesville, Winnfield, Jena, Dodson, Joyce, Pineville, others..

State: Mississippi **Counties/Parishes:** Copiah, Adams, Lincoln, Lawrence, Franklin, Jefferson and Simpson

Cities: Wesson, Natchez, Mendenhall

5. Total Funding Level Requested: \$ \$10,000,000

6. Sub-Total Requested Funding Amount by Consortium Member (as applicable):

- Lawson State Community College (Lead Institution): \$4,000,000
- Atlanta Technical College: \$2,000,000
- Central Louisiana Technical Community College: \$2,000,000

- Copleah-Lincoln Community College: \$2,000,000

7. Project Name: Southeastern Transportation Network – Developing Tomorrow's Transportation Workforce

8. Project Description and List of Credentials to be Developed and Awarded: Lawson State Community College in Birmingham, Alabama, Atlanta Technical College in Atlanta, Georgia, Central Louisiana Technical Community College in Alexandria, Louisiana and Copleah-Lincoln Community College in Wesson, Mississippi are partnering to form the Southeastern Transportation Network. This multi-state consortium will focus on developing Centers of Excellence that prepare workers with skills needed in the 21st Century transportation workforce. The centers will focus on training of Automotive, Auto Body, Mobile Medium/Heavy Equipment/Diesel, Marine and Motorcycle Repair Technicians. Instruction will be offered both online and face-to-face with emphasis on a technology-enhanced curriculum that encourages blended education. Programs will be offered through credit and non-credit formats, allowing for increased opportunities for competency-based learning. Credit students will be able to earn include certificates, diplomas, an associate degree, and potentially a Bachelors degree. The consortium will leverage resources from several previously-funded TAACCCT projects, including that of Georgia Piedmont Technical College that has a focus on preparation of bus and mobility mechanics and management supervisors.

9. Populations to be Served: TAA-eligible workers, Veterans, Unemployed Adult Workers, Low-Wage or Underemployed Incumbent Workers, Adult Basic Education completers and other adults

10. Targeted Industry(s): Transportation (Auto, Marine, Motorcycle, Medium/Heavy Mobile Equipment/Diesel Maintenance and Repair)

11. Employer Partner(s): Long-Lewis Ford, Royal Automotive, Loewer Power Sports, Crest Cadillac, Sand Mountain Toyota, Jordan Carriers, Elevance. Alford Motors, Harley Renegade, Allstar Dodge, others

12. Public Workforce System Partner(s): Jefferson County Workforce Investment Board, Atlanta Workforce Investment Board, Rapides Parish Workforce Investment Board, LWIA-50 Workforce Investment Board, Southwest Mississippi Planning and Development District, state workforce investment boards of Georgia, Mississippi, Alabama and Louisiana

13. Other Key Partner(s): Northwestern State University; Greater Vernon Chamber of Commerce; Natchez, Inc.; Concordia Economic Development; Learning Labs, Inc., National Coalition of Certification Centers (NC3).

14. Public Contact Information: Dr. Wendy Horn, Coordinator of Special Projects, Lawson State Community College, Birmingham, AL, (205) 929-2099, whorn@lawsonstate.edu.

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased

Program Materials: The project will rely primarily on existing open educational resources, including leveraged resources from prior TAACCCT grants. An estimated 20% of program materials will be developed or enhanced as open educational resources and 20% will be purchased.

16. Data Tags (up to 25, see table below): accelerated learning, certificate attainment, game design, job placement, on-the-job training, open educational resources, stackable credentials, web-based training, technology, blended Learning, career pathways, competency-based, degree attainment, digital materials, earn and learn. employer partnership, articulation, Industry-Driven Competencies, job placement, paid internships, retention, real-time online. Apprenticeships, stackable credentials, technology enabled, virtual environments, web-based raining.

Attachment A: Abstract

1. Applicant Name: Mid-South Community College (consortium applicant)

2. Applicant City/ State: West Memphis, Arkansas

3. Consortium Members and Consortium Member States:

(1) Southwest Tennessee Community College, Memphis, TN; (2) William R. Moore College of Technology, Memphis, TN; (3) Tennessee College of Applied Technology, Memphis, TN

4. Areas Served by Grant:

State: AR. Counties: Crittenden. Cities: Greater Memphis Area

State: TN. Counties: Fayette, Shelby, Tipton

State: Mississippi. Counties: Tunica, Tate, Marshall, DeSoto, Benton

5. Total Funding Level Requested: \$9,814,818

6. Sub-Total Requested Funding Amount by Consortium Member:

Mid-South Community College: \$4,889,241

Southwest Tennessee Community College: \$1,654,192

William R. Moore College of Technology: \$1,672,000

Tennessee College of Applied Technology – Memphis: \$1,599,385

7. Project Name: Greater Memphis Alliance for a Competitive Workforce

8. Project Description and List Credentials to be Developed and Awarded: This project partners colleges from Arkansas and Tennessee and seeks to: (1) deepen systemic integration among community colleges, agencies, and employers, (2) expand and enhance industry-responsive career pathways by integrating evidence-based approaches, and (3) integrate evidence-based practices in human capital-driven economic development into career pathways and sector partnerships. Credentials include industry certifications, short-term (less than 6 months) and intermediate-term (at least 6 months) postsecondary certificates, and associate

degrees in manufacturing and transportation/distribution/logistics (TDL). Non-credit includes courses leading to industry certifications.

9. Populations to be Served: TAA-eligible workers, veterans, unemployed individuals, and adult community college students

10. Targeted Industries: Manufacturing and transportation/distribution/logistics (TDL).

11. Employer Partners:

Manufacturing: MicroPort Orthopedics, Cargill Inc. Medical Machining Specialists, Smith & Nephew

TDL: Wepfer Marine Inc., Empire Express Inc., Nike

12. Public Workforce System Partners: Workforce Investment Network – Memphis, Workforce Investment Board of Eastern Arkansas

13. Other Key Partners: SFI Tennessee, GMACW Executive Oversight Committee

14. Public Contact Information: Callie Dunavin, Mid-South Community College, (870) 733-6840, cdunavin@midsouthcc.edu

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 80 percent of program materials will be developed as open educational resources, and the remaining 20 percent will be purchased.

16. Data Tags: Career Pathways, Degree Attainment, Industry-Recognized Credentials, Stackable Credentials

PROJECT ABSTRACT

1. Applicant Name: Central Arizona College (Hispanic-Serving Institution (HSI), Military Friendly School®¹(MFS) (consortium applicant)

2. Applicant City/State: Coolidge, AZ

3. Consortium Members and Consortium Member States:

GateWay Community College & Maricopa Skill Center (HSI & MFS) Phoenix, AZ

Estrella Mountain College & SouthWest Skill Center (HSI & MFS), Avondale, AZ

Eastern Arizona College, Thatcher, AZ

4. Areas Served by Grant: State: Arizona. **Counties:** Gila, Graham, Greenlee, Pinal, Maricopa (25,589 square miles) **Cities:** Apache Junction, Avondale, Buckeye, Casa Grande, Clifton, Coolidge, El Mirage, Eloy, Florence, Gila Bend, Glendale, Globe, Goodyear, Hayden, Litchfield Park, Marana, Maricopa, Miami, Oracle, Payson, Peoria, Phoenix, Quartzsite, Safford, Superior, Thatcher, Tolleson, Tombstone, Wellton, Winkleman

5. Total Funding Level Requested: \$10,000,000

6. Sub-Total Requested Funding Amount by Consortium Member:

Central Arizona College: \$3,765,000 (includes evaluation and administrative costs)

Gateway Community College/Maricopa Skill Center: \$2,100,000

Eastern Arizona College: \$2,035,000

Estrella Mountain Community College/SouthWest Skill Center: \$2,100,000

7. Project Name: Arizona Regional Advanced Manufacturing Professional Upgrade project (AZ RAMP Up)

8. Project Description and List of Credentials to be Developed and Awarded: AZ RAMP Up will enhance 11 existing certificate programs, create 6 new certificate programs, enhance 2 existing associate degree programs, and establish 1 new associate degree programs.

Central Arizona College

Enhanced Certificate programs: Manufacturing Electronics, Welding; **New Certificate**

Programs: Pipe Welding, Structural Welding, Manual Machinist, CNC Machinist. **Enhanced**

Associate Degrees: Manufacturing Engineering, Welding Technology.

Eastern Arizona College

Enhanced Certificate Programs: Machine Technology, Welding Technology, Electrical and Instrumentation Technician, Computer Assisted Design and Drafting Levels I & II; **New**

Certificate Programs: Manufacturing Engineering Technologies; **New Associate Degree**

Programs: Advanced Manufacturing Technologist.

GateWay Community College/Maricopa Skill Center:

Enhanced Certificate programs: Manual Machinist, CNC Machinist.

¹ 2013 Military Friendly Schools ® are the top 15% of higher education institutions of nationwide that deliver the best experience for military and veteran students. Source: <http://www.militaryfriendlyschools.com/default.aspx>

Estrella Mountain Community College/SouthWest Skill Center:

Enhanced Certificate programs: Precision Manufacturing, Industrial Electronics; **New Certificate Programs:** Industrial Manufacturing Maintenance.

AZ RAMP Up will accelerate student learning and strengthen student success in advanced manufacturing using strategies that include competency based education, prior learning assessments, and engagement with industry. AZ RAMP Up will enhance and develop stacked and latticed academic and industry recognized certificates and degrees that lead to skilled manufacturing jobs in Arizona and articulate to other degree programs. Industry certifications include the National Institute of Metalworking Skills (NIMS), the American Welding Society (AWS), the Manufacturing Skill Standards Council (MSSC), the American Design Drafting Association (ADDA), the National Career Readiness Certificate (NCRC), and NCRC +.

9. Populations to be Served: TAA-eligible, veterans, unemployed and underemployed adults.

10. Targeted Industry: Advanced Manufacturing .

11. Employer Partners: Elrus, FABTEC, Aerotec International, Arizona Public Service (APS) Excalibur, Microtronics, Performance Grinding and Manufacturing, Nichols Precision, Honeywell, Micropulse West, Sun Pumps, Open Loop Energy. **Industry Partners:** National Institute of Metalworking Skills; Arizona Tooling and Machining Association; Arizona Precision Manufacturing Apprenticeship Program.

12. Public Workforce System Partners: Pinal-Gila County Workforce Development Board; Phoenix Workforce Connections (WIB/One-Stop); Maricopa Workforce Connections (WIB/One-Stop); Southeastern Arizona Workforce Connection/WIB.

13. Other Key Partners: TAACCCT Grantees: Estrella Mountain Community College (Rnd 2); Mesa Community College (Rnd 3). **Educational Institutions:** Arizona State University; Clemson University; Gila Institute for Technology; Maricopa Advanced Technology Education Center (MATEC); Northern Arizona University; University of Arizona. **Other:** Access Arizona; Arizona Commerce Authority; Arizona Department of Economic Security; Arizona Tooling and Machining Association; Central Arizona College Foundation; City of Goodyear; Eastern Arizona College Foundation, Goodwill; Graham County Board of Supervisors; Pinal Hispanic Council; Safford Chamber of Commerce; Southeastern Arizona Governments Organization.

14. Public Contact Information: Hugo Steincamp, Director of Resource Development, Central Arizona College, (520) 494-5044, Hugo.Steincamp@centralaz.edu

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 60 percent of program materials will be developed as open educational resources; 40 percent will be licensed or purchased.

16. Data Tags: Accelerate progress, Accelerated learning, Basic skills, Block scheduling, Career pathways, Certificate attainment, Competency-based training, Contextualized learning, Degree attainment, Digital materials, Employer partnership, Enhanced course articulation, Enhanced student services, Industry-driven competencies, Industry-recognized credentials, Modular curriculum, Online teaching/learning, Open educational resources, Retention, Retention strategies, Simulations, Skill assessments, Stackable credentials, Technology enabled learning, Web-based training

Pima Community College - AAMMP Up Project Abstract

- 1. Applicant Name:** Pima Community College, Community Campus (Single Applicant)
- 2. Applicant City/State:** Tucson, AZ
- 3. Consortium Member(s) and Consortium Member State(s):** N/A
- 4. Areas Served by Grant (by city, county, and state):**
 - **State:** Arizona
 - **Counties:** Pima County
 - **Cities:** Tucson MSA, surrounding communities and unincorporated areas of Pima County
- 5. Total Funding Level Requested:** \$2,499,997
- 6. Sub-Total Requested Funding Amount by Consortium Member (if applicable):** N/A
- 7. Project Name:** Arizona Aviation, Mining and Manufacturing Program (AAMMP Up)
- 8. Project Description and List of Credentials to be Developed and Awarded:** To better serve TAA-eligible workers and other veterans, low-skilled, unemployed, and underemployed adults, PCC's AAMMP Up—*Arizona Aviation, Mining and Manufacturing Program*—will develop an industry-requested degree pathway in Industrial Technology that will also contain four short-term certificates, and add new short-term options to existing degree programs in Welding and Aviation. Significant data demonstrate these are high-demand fields in southern Arizona, with strong earning potential. Also at industry request, we will update equipment to meet employer-identified needs. Entry into programs will be accelerated by 1) applying and developing Credit for Prior Learning standards, including course-to-credential cross-walking, military service, portfolios, and demonstration of competency, and 2) providing an accelerated, contextualized Math Boot Camp. Support services/case management will help ensure participant academic success and ultimate employment. Credentials to be developed and awarded: New

AAS in Industrial Technology with certificates in Instrumentation, Industrial Maintenance, Industrial Mechanic, and Mechatronics; AAS in Welding with new certificates in basic industrial and advanced industrial welding; existing AAS in Aviation Technology.

9. Populations to be Served: TAA-eligible workers, unemployed, and underemployed adults

10. Targeted Industry(s): Transportation (Aviation), Mining, and Manufacturing

11. Employer Partner(s): Wildcat Silver, HT Metals, Abrams Airborne Manuf., Industrial Tool Die & Engineering, AGM Container Controls, Hi-Tech Machining and Engineering, Airtronics, CAID Industries, Bombardier, Ascent Aviation, Marana Aerospace, TEP

12. Public Workforce System Partner(s): Pima County One-Stop, Pima County Workforce Investment Board, Arizona Commerce Authority, AZ Dept. of Economic Security

13. Other Key Partner(s): AMIGOs, South. Arizona Manuf. Partners (SAMP), AZ Manufacturing Partnership, AZ Tech. Council, Professional Aviation Maintenance Assoc., Estrella Mountain Community College (TAACCCT Rd II Consortium lead)

14. Public Contact Information: Mr. Stan Steinman, Academic Dean-Workforce and Business Development, ssteinman@pima.edu, (520) 206-6321

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 90% of program materials will be developed as open educational resources; the remaining 10% will be licensed or purchased.

16. Data Tags (up to 25): accelerate progress, accelerated learning, basic skills, career pathways, certificate attainment, competency-based training, contextualized learning, industry-driven competencies, industry-recognized credentials, job placement, modular curriculum, open educational resources, personalized instruction, self-paced learning, simulations, skill assessments, stackable credentials

(1) Applicant Name: Chaffey College

(2) Applicant City/State: Rancho Cucamonga, CA

(3) Consortium Member(s) and Consortium Member State(s):



Twelve (12) College Consortium Partners of Southern California, Inland Empire Region		
Chaffey Community College	Rancho Cucamonga, CA	\$11,623,019
Norco College	Norco, CA	\$1,410,433
Barstow Community College	Barstow, CA	\$1,155,132
College of the Desert	Palm Desert, CA	\$1,469,805
Mt. San Jacinto Community College	San Jacinto, CA	\$965,590
Victor Valley College	Victorville, CA	\$366,133
San Bernardino Valley Community College	San Bernardino, CA	\$1,249,807
Crafton Hills College	Yucaipa, CA	\$50,000
Riverside City College	Riverside, CA	\$1,130,937
MiraCosta College	Oceanside, CA	\$300,100
CSU, San Bernardino	San Bernardino, CA	\$147,269
UC, Riverside	Riverside, CA	\$102,197

(4) Areas Served by Grant: Rancho Cucamonga, Norco, Barstow, Palm Desert, San Jacinto, Victorville, San Bernardino, Yucaipa, Riverside Cities; San Bernardino and Riverside Counties; California

(5) Total Funding Level Requested:

(6) Sub-Total Requested Funding Amount by Consortium Member: See Chart above

(7) Project Name: Inland Empire Regional Training Consortium (IERTC)

(8) Project Description and List of Credentials to be Developed and Awarded: The Inland Empire Regional Training Consortium (IERTC) will create the STEM Education Business Incubator (SEBI) Center hosted at California Steel Industries in Fontana that will focus on Advanced Manufacturing Applications.

The IERTC is a regionally coordinated, large-scale effort to develop the highly trained/highly technical workforce necessary to advance industry and the economy of our region. Educational programs and credentials will be "stackable" meaning once a student completes one course program, they will be poised to "stack" or add additional complimentary programs leading to an industry recognized credential. We envision the granting of credentials will be aligned with the National Association of Manufacturers' (NAM),

Institute for Manufacturing including ACT, NIMS, MSSC, NCCER, AWS and OSHA. Additional delivery methods include the use of Closed-Circuit Classroom and Technical Laboratory Training, Mobile Training Laboratories and Online Training and Resources. IERTC proposes to implement an advanced integrated career pathway approach that includes multiple entry and exit points with various certificates and degrees. See IERTC Project Design Diagram in the attachment section of this proposal.

(9) Population to be served: TAA-eligible workers, long-term unemployed and veteran populations.

(10) Target Industry(s): Advanced Manufacturing

(11) Employer Partner(s): Ashley Furniture; Brithinee Electric; California Quality Plastics; California Steel Industries; Cott Beverages; Horizon Hobby; Michaels; Nestle Waters, North America; Niagara Water; Penn Emblem; Packing Corp; Safariland; Southern California Edison; Spray-Tech; Steelscape; Total Resources International; Ventura Foods; TST and Vista Metals

(12) Public Workforce System Partner(s): Riverside County WIB, San Bernardino County WIB, California Workforce Services Division Economic Development Department

(13) Other Key Partner(s): Manufactures' Council of the Inland Empire, Inland Empire Economic Partnership, Alliance for Education, San Bernardino County Superintendent of Schools, Baldy View ROP, San Bernardino County ROP, Riverside County ROP, CRY ROP, Goodwill Foundation, CAP Program, Career Ladders Project, California Community Colleges Chancellor's Office and The California Manufacturers' and Technology Association

(14) Public Contact Information: Kathleen Dutton, Director of Employment Development & Community Education - Chaffey College; Phone: 909-652-6042; Email: Kathy.Dutton@chaffey.edu

(15) Percentage of OER Program Materials Developed vs. Licensed or Purchased: 40% vs. 60%

(16) Data Tags: Employer Partnerships, Industry-Driven Competencies, Industry-Recognized Credentials, Contextualized Learning, Career Pathways, Basic Skills, Modular Curriculum, Learning Communities, Advanced Manufacturing, TAA Eligible Worker, Cohort Enrollment, Integrated Program Design

PROJECT ABSTRACT

1. **Applicant Name:** Manchester Community College (MCC)
2. **Applicant City/State:** Manchester, Connecticut
3. **Consortium Member(s) and States:** MCC (Lead Institution); Asnuntuck Community College (ACC); Capital Community College (CCC); Gateway Community College (GCC); Housatonic Community College (HCC); Middlesex Community College (MxCC); Naugatuck Valley Community College (NVCC); Northwestern Connecticut Community College (NCCC); Norwalk Community College (NCC); Quinebaug Valley Community College (QVCC); Three Rivers Community College (TRCC); Tunxis Community College (TCC); Charter Oak State College; All are in Connecticut.
4. **Areas Served by Grant:** State: Connecticut. **Counties:** All counties. **Cities:** All municipalities.
5. **Total Funding Level Requested:** \$15,000,000
6. **Sub-Total Requested Funding Amount by Consortium Member:** MCC (\$5,963,684), ACC (\$1,339,325), HCC (\$1,226,575), MxCC (\$2,067,371), NVCC (\$1,706,025), QVCC (\$1,226,575); TRCC (\$1,283,123); Charter Oak State College (\$187,322)
7. **Project Name:** Connecticut Advanced Manufacturing Initiative (CAMI)
8. **Project Description and List of Credentials:** Four Connecticut Community Colleges operate a nationally acclaimed Advanced Manufacturing Center (AMC) model that places 88% of graduates into high-wage manufacturing jobs (\$18+ per hour). CAMI will expand the model to additional colleges and introduce innovations such as additive manufacturing certificates and competency-based and hybrid Registered Apprenticeships in high-demand manufacturing occupations.

Four evidence-based strategies will enhance the Connecticut Community College advanced manufacturing training model and expand its impact statewide: 1) expand the capacity of college facilities to support more students and new programs; 2) scale up industry-driven training programs resulting in industry-recognized credentials; 3) increase retention and accelerate completion through student supports and services; and 4) strengthen and expand the AMC sector-based approach to employment and training.

After completing pre-manufacturing training and/or a Manufacturing Math Boot Camp, each CAMI student will spend two (full-time) semesters earning an industry-recognized advanced manufacturing credit credential. After earning certificates, CAMI students will have four options: 1) enroll in a third-semester advanced manufacturing specialty certificate program; 2) enter a competency-based or hybrid Registered Apprenticeship that may qualify for additional college credit; 3) matriculate in an advanced manufacturing Associates or Bachelor's degree program at a two or four-year college; or 4) secure full-time employment in an advanced manufacturing occupation.

The Statewide Advanced Manufacturing Advisory Committee (comprised of seven colleges, manufacturers and industry associations, WIBs, Technical High Schools, the CT Department of Labor Office of Apprenticeship Training, and other stakeholders) and seven regional Industry Advisory Councils will facilitate work-based learning, internships, Registered Apprenticeships, and job placements, as well as inform policy and strategy decisions and program development.

Table 1: CAMI Consortium College Existing and Planned Credentials

E = Existing credential P = Planned credential

Current AMC Model – First Two Semesters							
Credential	ACC	HCC	NVCC	QVCC	MxCC	MCC	TRCC
Manufacturing Machine Technology	E	E	E	E	E	E	
Welding Technology	E						
Electronics Technology	E						
Metal Fabrication							P
Quality Control						E	
NIMS Machining Level 1 (11 credentials)	E	P	P	P	P	P	
NIMS Machining Level 2	P						
NIMS Machining Level 3	P						
AWS	P						
Third Semester Specialty Certificates and Registered Apprenticeships (AMC Model Enhancements)							
Advanced Machine Technology	P	P	P	P		P	
Additive Manufacturing	P			P			
Tool & Die		P	P				
Metrology	P	P	P	P			
Metal Fabrication	P						P
Electro-Mechanical Technology	P						
Manufacturing Principals and Practices				P			

9. Populations to be Served: TAA workers, Veterans, un- and underemployed workers, incumbent workers, and traditional community college students.

10. Targeted Industry(s): Manufacturing – NAICS codes 31-33.

11. Employer Partners: 42 manufacturers and 10 industry associations submitted letters in which they committed to support the success of CAMI in a variety of ways.

12. Public Workforce System Partners: Governor Dannel P. Malloy; CT Department of Labor (CTDOL); All CT regional Workforce Investment Boards (WIBs); Capital Workforce Partners; Eastern CT WIB; Northwest (CT) Regional WIB; Workforce Alliance; The WorkPlace, Inc.

13. Other Key Partners: Board of Regents for Higher Education/CT State Colleges & Universities; CT Department of Education (including Technical High School System); CTDOL Office of Apprenticeship Training; CT Department of Veterans' Affairs; Economic development partners; Health and Life Sciences Career Initiative (*Round 2 TAACCCT Grant*).

14. Public Contact Information: Tracy Ariel, Director of Advanced Manufacturing Centers, BOR/ConnSCU, (860) 723-0605, arielt@ct.edu

15. Percentage of OER Program Materials Developed: Approximately 60% of program materials will be developed as open educational resources, and 40% will be licensed or purchased.

16. Data Tags: Accelerated Learning; Achievement Rates; Advanced Manufacturing; Blended Learning; Career Pathways; Competency-based Training; Industry-driven Competencies; Employer Partnership; Enhanced Student Services; Industry-Recognized Credentials; Job Placement; Paid Internships; Prior Learning Assessment; Registered Apprenticeships; Stackable Credentials.

Project Abstract

1. Applicant Name: Miami Dade College

2. Applicant City/State: Miami, FL

3. Consortium Member(s) and Member State(s):

Polk State College, Winter Haven, Florida;

Santa Fe College, Gainesville, Florida;

Seminole State College, Sanford, Florida

4. Areas Served by Grant (by city, county, and state):

State: Florida

Counties: Alachua, Broward, Miami-Dade, Orange, Polk, Seminole, Volusia

Cities: Altamonte Springs, Ft. Lauderdale, Gainesville, Heathrow, Lake Mary, Lakeland, Miami, Oviedo, Plant City, Sanford

5. Total Funding Requested: \$9,977,296

6. Sub-Total Requested Funding by Consortium Member:

Miami Dade College: \$4,799,474;

Polk State College: \$1,759,712;

Santa Fe College: \$1,470,092;

Seminole State College: \$1,948,019

7. Project Name: Training and Certification Programs in Manufactured Construction (TRANCOM)

8. Project Description and List of Credentials to be Developed and Awarded:

The TRANCOM Consortium will provide a program of skills, training, and education specially designed for the manufactured construction industry. The manufactured construction industry is rapidly growing due to the significant shortage of on-site construction workers, but lacks the training programs to effectively equip employees. The TRANCOM program is designed to address this important training gap by providing a complete system of nationally recognized certification programs that will be tied to existing manufacturing technology and construction management programs as well as two-year and four-year degree programs offered by Florida's state colleges and universities. The program will offer a series of credentials to systematically

Training and Certification Programs in Manufactured Construction (TRANCOM) – Miami Dade College

train and educate the potential manufactured construction employee. These certifications will be developed in close cooperation with the National Center for Construction Education and Research (NCCER), the Home Builders Institute (HBI), and the Manufactured Skill Standards Council (MSSC). Member companies will be involved in crafting the training programs, advising the consortium, and hiring the certified workforce.

List of Credentials to be Developed and Awarded:

- 1) Prevocational and Vocational Training and Certificate;
- 2) Entry Level Training and Certificate;
- 3) Apprentice Level Training and Certificate;
- 4) Journeyman Level Training and Certificate;
- 5) Supervisor Level Training and Certificate;
- 6) Articulation to 2-year Associate of Science in Construction Technology program;
- 7) Articulation to 4-year Bachelor of Science in Construction Management program

9. Populations to be Served: TAA-eligible workers, unemployed and underemployed workers, veterans.

10. Targeted Industry(s): Manufacturing, construction.

11. Employer Partner(s): Palm Harbor Homes, Chariot Eagle, Burns Flooring, Greenstar Panels

12. Public Workforce System Partner(s): CareerSource Florida (previously known as South Florida Workforce Investment Board)

13. Other Key Partner(s): Home Builders Institute, Manufactured Housing Institute, Modular Home Builders Association, Beacon Council, Florida Home Builders Association, Gainesville Chamber of Commerce, Builders Association of South Florida, Chariot Eagle, Inc., Echeverria Design Group, Perkins+Will, Burns Flooring, Greenstar Panels, Palm Harbor Homes, Charles Perry Partners, Inc., Finfrock, Inc., Southeast Modular Manufacturing, Turning Leaf, Inc.

14. Public Contact Information: Dr. Jorge Guerra, Director of Workforce Education and Partnerships, Miami Dade College, (305)237-7649, jguerra3@mdc.edu

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 50% of program materials will be developed as open educational resources, and the remaining 50% will be licensed or purchased.

16. Data Tags: barriers; accelerate progress; basic skills; blended learning; certificate; contextualized learning; articulation; game design; industry needs; industry recognized credentials; enhanced coaching; simulations; stackable

PROJECT ABSTRACT

1. Applicant Name: Hawkeye Community College

2. Applicant City/State: Waterloo, Iowa

3. Consortium Members (ALL within the state of Iowa): See table below.

4. Areas Served by Grant: Iowa

5. Total Funding Level Requested:

6. Sub-Total Requested Funding

Amount by Consortium Member:

DMACC (\$993,628), EICC

(\$869,671), HCC (\$3,643,814), ICC

(\$984,092), IHCC (\$999,548), ILCC

(\$808,102), IVCC (\$999,999), IWCC

(\$998,431), KCC (\$999,881), NIACC (\$1,000,000), NICC (\$1,000,000), NCC (\$993,468), SCC

(\$678,349), SWCC (\$1,000,000), WITCC (\$822,735)

Consortium Member	Location
Des Moines Area Community College	Des Moines
Eastern Iowa Community Colleges	Davenport
Iowa Central Community College	Fort Dodge
Indian Hills Community College	Ottumwa
Iowa Lakes Community College	Estherville
Iowa Valley Community College District	Muscatine
Iowa Western Community College	Council Bluffs
Kirkwood Community College	Cedar Rapids
North Iowa Area Community College	Mason City
Northeast Iowa Community College	Calmar
Northwest Iowa Community College	Sheldon
Southeastern Community College	West Burlington
Southwestern Community College	Creston
Western Iowa Tech Community College	Sioux City

7. Project Name: Iowa's Information Technology, Healthcare, Utilities, and Manufacturing (IHUM) Network

8. Project Description and List of Credentials to be Developed and Awarded: IHUM was developed to increase the education and training of TAA-eligible workers in the high-growth industries of health, information, manufacturing, and utilities. There are 75 offerings that will award certificates, diplomas, and/or degrees within the applicable industries.

9. Population to be Served: TAA-eligible, dislocated, veteran and other adult workers in need of training.

10. Targeted Industry(s): Information Technology, Healthcare, Utilities, and Manufacturing.

11. Employer Partner(s): See table below.

12. Public Workforce System

Partner(s): Iowa Workforce

Development and Workforce

Investment Boards (15).

13. Other Key Partners: Iowa

Economic Development

Authority, and the Iowa

Department of Education, 14

Industry Representatives.

14. Public Contact

Information: Carly Voltz,

Grants & Projects Manager, Hawkeye Community College, (319)296-4438,

Carly.Voltz@HawkeyeCollege.edu

Employer Partners	
Alliant Energy	Mason City Clinic
Anemometry Specialists	Medical Associates Clinic
Black Hills Energy	Mercy Medical Center (2)
Christian's Sheet Metal & HVAC	Montgomery County Memorial Hospital
Dubuque Data Services	Muscatine Power & Water
Friendship Haven	Osceola Community Hospital
General Mills	Ottumwa Regional Health Center
Greater Regional Medical Center	Riverhills Community Health Center
Hartwig Inc.	Sanford Sheldon Medical Center
Hillcrest Health Services	Target
Holy Spirit Retirement Home	Tektivity
Integrated DNA Technologies	Van Diest Medical Center
Iowa Lakes Electric Cooperative	Vermeer
Jefferson County Health Center	Westridge Quality Care and Rehab
Lee County EMS Ambulance Inc.	

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or

Purchased Program Materials: Approximately 20% OER materials, 80% licensed/purchased.

16. Data Tags: Accelerated Learning, Career Pathways, Certificate Attainment, Data Integration,

Degree Attainment, Developmental Education, Employer Partnership, Employer Results

Scorecard, Enhanced Student Services, Industry-Driven Competencies, Industry-Recognized

Credentials, Job Placement, Modular Curriculum, Online Learning, Open Educational Resources,

Retention, Registered Apprenticeships, Retention Strategies, Sector Strategies, Simulations,

Stackable Credentials, Technology Enabled Learning.

M-PATH: Advanced Manufacturing**Project Abstract**

1. **Applicant Name:** Valencia College
2. **Applicant City/State:** Orlando, Florida
3. **Consortium Members and Consortium Member State:** N/A
4. **Areas Served by Grant (by city, county, and state) State:** Florida; Counties: Orange and Osceola; Cities: (Orange County) Apopka, Lake Buena Vista, Maitland, Ocoee, Orlando, Winter Garden, Winter Park; (Osceola County) Kissimmee, St. Cloud
5. **Total Funding Level Requested:** \$2,499,902
6. **Sub-Total Requested Funding Amount by Consortium Member:** N/A
7. **Project Name:** M-PATH: Advanced Manufacturing
8. **Project Description and List of Credentials to be Developed and Awarded**

Valencia College will collaborate with regional manufacturers, CareerSource Central Florida, industry associations, and philanthropic organizations to develop M-PATH: Advanced Manufacturing; innovative educational pathways designed to serve the needs of the regional advanced manufacturing sector. An Advanced Manufacturing Specialist Certificate (AMSC) will be developed providing TAA eligible and others skills to enter the field competencies needed in today's manufacturing environment. Working alongside related credit programs, a joint career pathway model will couple new continuing education certification training programs and labs with new college credit certificate and specialization programs in Advanced Manufacturing. This partnership will create shared simulation and hands-on learning curriculum, resources, and transferable articulation options. Focused outreach will include recruiting veterans into the field creating seamless award of military experience to college credits. Recruitment of women into manufacturing jobs will also be a focus as they are an underrepresented population in manufacturing.

List of Credentials to be Developed and Awarded	
Computer Numerical Control (CNC – IHK)	Manufacturing Skill Standards Council MSSC Certified Production Technician (CPT)

M-PATH: Advanced Manufacturing

Manufacturing Skill Standards Council MSSC Certified Logistics Technician (CLT)	Assembly
Mechatronics (PMMI Certification)	Welding Technology (AWS Certification)
Quality and Inspection Specialist (CQIA) Certification	Six Sigma Green Belt Certification (CSSGB)
Six Sigma Black Belt Certification (CSSBB)	Lean Manufacturing Certification.
Drafting and Design Tech – Stackable college credit certificates and A.S. Spec. in Digital Manuf.	Electronics Engineering Tech – Stackable college credit certificates and A.S. Spec. in Advanced Manuf.

9. **Populations to be Served:** TAA eligible individuals, unemployed, incumbent, women, veterans

10. **Targeted Industry:** Advanced Manufacturing

11. **Employer Partners:** Amazon Hose & Rubber Co., Central Florida Box Corp, Collins Manufacturing, Inc.

Hernon Manufacturing Inc., Lockheed Martin, .decimal, Metal Essence, Inc., Mitsubishi Hitachi Power

Systems, Nautique Boat Co., Custom Metal Designs, Martin Brower, LLC

12. **Public Workforce System Partners listed by Region:** CareerSource Central Florida, Inc., Florida

Department of Economic Opportunity, CareerSource, Florida, Inc.

Other Key Partners: Nat'l Center for Manufacturing Sciences, Goodwill Industries, City of Life, Central

Care Mission, The Jobs Partnership of Florida, Workforce Academy, The Central Florida Disability

Chamber of Commerce, United Way, Camaraderie Foundation, The Society of Women Engineers.

13. **Public Contact Information:** Joe Battista, Chief Operating Officer, Continuing Education (407) 582-6622

jbattista@valenciacollege.edu

14. **Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased**

Program Materials: 70% of program materials will be developed as open educational resources and 30% will be licensed or purchased.

15. **Data Tags:** Advanced Manufacturing, Non-Traditional Careers, Veterans, Accelerated Learning,

Continuing Education, Industry-Recognized Credentials, Career Pathways, Degree Attainment, Stackable

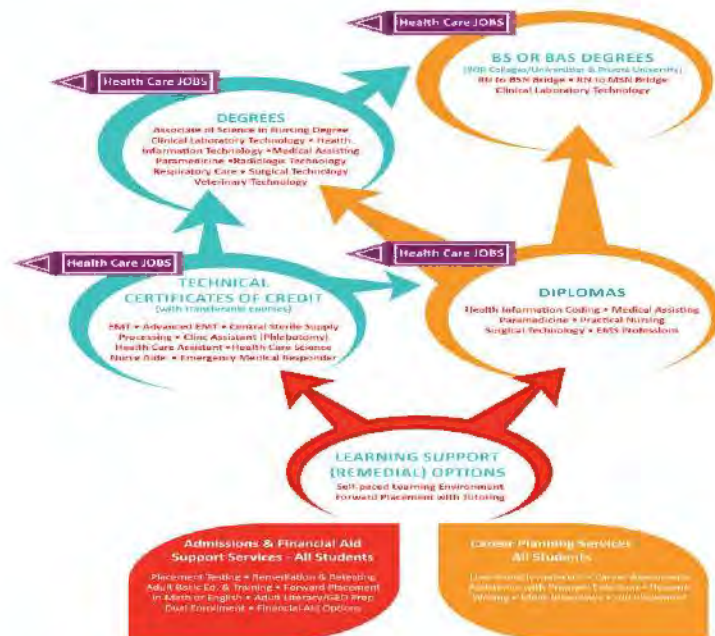
Credentials, Simulations, Job Placement, Certificate Attainment, Civic and Community Engagement,

Contextualized Learning, Block scheduling, Employer Partnership



Southwest Georgia Technical College Healthcare Careers Work! Project Abstract

1. **Applicant Name:** Southwest Georgia Technical College (SWGTC)
2. **Applicant City/State:** Thomasville, GA
3. **Consortium Member(s) and Consortium Member State(s):** N/A; Single Applicant.
4. **Areas Served by Grant (by city, county, and state):** *State:* Georgia; *Counties:* Thomas, Mitchell, and Grady; *Cities:* Thomasville, Camilla, and Cairo
5. **Total Funding Level Requested:** \$2,322,718
6. **Sub-Total Requested Funding Amount by Consortium Member:** N/A.
7. **Project Name:** Healthcare Careers Work!
8. **Project Description and List of Credentials to be Developed and Awarded:** *Healthcare Careers Work!* (HCW). HCW is an employer-driven, technology-infused sector strategy project that will link 525 TAA-eligible, unemployed and dislocated workers and veterans with quickly earned certificates and degrees in high demand, high wage health care careers. In order to fully meet employer and student needs, opportunities for stacking and latticing credentials will be offered, with multiple entry and exit points for each program; student coaching provided throughout. In light of ongoing regional demand for





qualified health care professionals within nursing, health sciences, health information technology (HIT), and medical billing/coding as identified through the *SWGTC Labor Market Analysis: October 2012*, SWGTC requests funding to support efforts focusing on these careers specifically through the implementation of HCW.

9. Populations to be Served: TAA-eligible workers, long-term unemployed, veterans

10. Targeted Industry(s): Healthcare

11. Employer Partner(s): John D. Archbold Memorial Hospital, Camellia Gardens of Life Care, Colquitt Regional Medical Center, Grady General Hospital, Mitchell County Hospital, Pelham Parkway Nursing Home, Presbyterian Home, and Shaw Center for Women's Health.

12. Public Workforce System Partner(s): Workforce Investment Board (WIB) of Southwest Georgia and One-Stop Career Centers (WIA Area #17)

13. Other Key Partner(s): North Georgia Technical College (Round 1 TAACCCT Grantee); Central Georgia Technical College (Round 3 TAACCCT Grantee)

14. Public Contact Information: Amy Maison, Executive Director of Institutional Advancement, Southwest Georgia Technical College, 15689 US Highway 19 North, Thomasville, GA 31792, P: 229.225.3977, F: 229.227.2578, amaison@southwestgatech.edu

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: 100% of materials will be developed as OER.

16. Data Tags (up to 25, see table below): Certificate attainment, job placement, on-the-job training, open educational resources, stackable credentials, web-based training, mobile devices, employer partnership, online teaching/learning, career pathways, blended learning, simulations.

PROJECT ABSTRACT

- 1. Applicant Name:** University of Hawaii Maui College (UHMC)
- 2. Applicant City/State:** Kahului, HI
- 3. Consortium Member(s) and Consortium Member State(s):** Hawaii Community College (HawCC), Hilo, HI; Honolulu Community College (HonCC), Honolulu, HI; Kapiolani Community College (KapCC), Honolulu, HI; Kauai Community College (KauCC), Lihue, HI; Leeward Community College (LeeCC), Pearl City, HI; Windward Community College (WinCC), Kaneohe, HI
- 4. Areas Served by Grant (by city, county, and state):** **Cities:** Honolulu, Kaneohe, Pearl City (Island of Oahu), Kahului (Island of Maui), Lihue (Kauai), and Hilo (Hawaii); **Counties:** Hawaii, Kauai, Maui, and Oahu; **State:** Hawaii
- 5. Total Funding Level Requested:** \$9,999,870
- 6. Sub-Total Requested Funding Amount by Consortium Member (if applicable):**
UHMC (Lead) \$4,985,259; HawCC, \$280,225; HonCC, \$903,047; KapCC, \$1,056,410; KauCC, \$1,137,033; LeeCC, \$1,075,742; WinCC, \$562,154
- 7. Project Name:** “Sustaining Health, Strengthening Security in the Aloha State”
- 8. Project Description and List of Credentials to be Developed and Awarded:** This proposal creates new entry-level certificates in Cybersecurity and Health, providing career pathways for adult workers into two-year degrees in Information Technology (IT) and Health. Cybersecurity training prepares a workforce better equipped to deal with the challenges of the internet economy. Health training for School Health Aides and Community Health Workers provides new and incumbent workers with new career opportunities and higher wages (building on TAACCCT Round 3). Funding will be used to develop curriculum, purchase simulation laboratory equipment, retrofit classrooms for technology-enabled courses, provide student services

(expanding on TAACCCT Rounds 1&2), and improve data tracking. Certificates include Cybersecurity; School Health Aide Level II; Community Health

9. Populations to be Served: TAA-eligible workers and 1) incumbent workers at risk of layoffs as industry needs change; 2) workers in need of retraining for more high-demand industries or jobs; 3) workers requiring additional skills to compete for higher-paying wages; 4) women and minorities under-represented in high-demand fields; and 5) Veterans, who may have special needs in transitioning from service to civilian employment.

10. Targeted Industry(s): Information Technology and Health

11. Employer Partner(s) (sample): Imiloa Observatory; Gigaisland; National Disaster Preparedness Training Center (NDPTC); Servco Pacific; Cisco Networking Academy; Manu Kai (PMRF); City/County of Honolulu; Four Seasons; Sheraton Maui; Maui Economic Development Board (Registered Apprenticeship Program); Hawaii Dept. of Education; Garden Isle Rehabilitation; Waikiki Health; Ho’Ola Lahui, Lanai Community Health Center

12. Public Workforce System Partner(s): Hawaii Dept. of Labor and Industrial Relations, Hawaii’s Workforce Investment Boards.

13. Other Key Partner(s): Hawaii Business Round Table, Inc. Hawaii Technology Development Corporation (HTDC)

14. Public Contact Information: Susan Wyche, UHMC, swyche@hawaii.edu, Tel. 808-984-3670.

15. Percentage of OER Program Materials vs. Percentage Licensed/Purchased:

Approximately 60% of program materials will be developed as open educational resources, and the remaining 40% will be licensed or purchased.

16. Data Tags: blended learning, career pathways, certificate attainment, competency-based training, contextualized learning, employer partnerships, OER materials, paid internships, simulations, stackable credentials, virtual environments, technology enabled learning, Veteran’s services.

PROJECT ABSTRACT

1. Applicant Name: Hawkeye Community College

2. Applicant City/State: Waterloo, Iowa

3. Consortium Members (ALL within the state of Iowa): See table below.

4. Areas Served by Grant: Iowa

5. Total Funding Level Requested:

6. Sub-Total Requested Funding

Amount by Consortium Member:

DMACC (\$993,628), EICC

(\$869,671), HCC (\$3,643,814), ICC

(\$984,092), IHCC (\$999,548), ILCC

(\$808,102), IVCC (\$999,999), IWCC

(\$998,431), KCC (\$999,881), NIACC (\$1,000,000), NICC (\$1,000,000), NCC (\$993,468), SCC

(\$678,349), SWCC (\$1,000,000), WITCC (\$822,735)

Consortium Member	Location
Des Moines Area Community College	Des Moines
Eastern Iowa Community Colleges	Davenport
Iowa Central Community College	Fort Dodge
Indian Hills Community College	Ottumwa
Iowa Lakes Community College	Estherville
Iowa Valley Community College District	Muscatine
Iowa Western Community College	Council Bluffs
Kirkwood Community College	Cedar Rapids
North Iowa Area Community College	Mason City
Northeast Iowa Community College	Calmar
Northwest Iowa Community College	Sheldon
Southeastern Community College	West Burlington
Southwestern Community College	Creston
Western Iowa Tech Community College	Sioux City

7. Project Name: Iowa's Information Technology, Healthcare, Utilities, and Manufacturing (IHUM) Network

8. Project Description and List of Credentials to be Developed and Awarded: IHUM was developed to increase the education and training of TAA-eligible workers in the high-growth industries of health, information, manufacturing, and utilities. There are 75 offerings that will award certificates, diplomas, and/or degrees within the applicable industries.

9. Population to be Served: TAA-eligible, dislocated, veteran and other adult workers in need of training.

10. Targeted Industry(s): Information Technology, Healthcare, Utilities, and Manufacturing.

11. Employer Partner(s): See table below.

12. Public Workforce System

Partner(s): Iowa Workforce

Development and Workforce

Investment Boards (15).

13. Other Key Partners: Iowa

Economic Development

Authority, and the Iowa

Department of Education, 14

Industry Representatives.

14. Public Contact

Information: Carly Voltz,

Grants & Projects Manager, Hawkeye Community College, (319)296-4438,

Carly.Voltz@HawkeyeCollege.edu

Employer Partners	
Alliant Energy	Mason City Clinic
Anemometry Specialists	Medical Associates Clinic
Black Hills Energy	Mercy Medical Center (2)
Christian's Sheet Metal & HVAC	Montgomery County Memorial Hospital
Dubuque Data Services	Muscatine Power & Water
Friendship Haven	Osceola Community Hospital
General Mills	Ottumwa Regional Health Center
Greater Regional Medical Center	Riverhills Community Health Center
Hartwig Inc.	Sanford Sheldon Medical Center
Hillcrest Health Services	Target
Holy Spirit Retirement Home	Tektivity
Integrated DNA Technologies	Van Diest Medical Center
Iowa Lakes Electric Cooperative	Vermeer
Jefferson County Health Center	Westridge Quality Care and Rehab
Lee County EMS Ambulance Inc.	

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or

Purchased Program Materials: Approximately 20% OER materials, 80% licensed/purchased.

16. Data Tags: Accelerated Learning, Career Pathways, Certificate Attainment, Data Integration,

Degree Attainment, Developmental Education, Employer Partnership, Employer Results

Scorecard, Enhanced Student Services, Industry-Driven Competencies, Industry-Recognized

Credentials, Job Placement, Modular Curriculum, Online Learning, Open Educational Resources,

Retention, Registered Apprenticeships, Retention Strategies, Sector Strategies, Simulations,

Stackable Credentials, Technology Enabled Learning.

Idaho Center of Excellence Healthcare Partnership Project Abstract

1. **Applicant Name:** North Idaho College
2. **Applicant City/State:** Coeur d'Alene, Idaho
3. **Consortium Member(s) and Consortium Member State(s):** Lewis-Clark State College (ID), Eastern Idaho Technical College (ID), Idaho State University College of Technology (ID)
4. **Areas Served by Grant (by city, county, and state):**

State	Idaho
Counties	Bannock, Bear Lake, Benewah, Bingham, Bonner, Bonneville, Boundary, Butte, Caribou, Clark, Clearwater, Custer, Franklin, Fremont, Idaho, Jefferson, Kootenai, Latah, Lemhi, Lewis, Madison, Nez Pierce, Oneida, Power, Shoshone, Teton
Cities	Aberdeen, American Falls, Ammon, Arco, Arimo, Ashton, Athol, Atomic City, Bancroft, Basalt, Blackfoot, Bloomington, Bonners Ferry, Bovill, Butte City, Challis, Chubbuck, Clark Fork, Clayton, Clifton, Coeur d'Alene, Cottonwood, Culdesac, Dalton Gardens, Dayton, Deary, Dover, Downey, Driggs, Drummond, Dubois, East Hope, Elk River, Ferdinand, Fernan Lake Village, Firth, Franklin, Genesee, Georgetown, Grace, Grangeville, Hamer, Harrison, Hauser, Hayden, Hayden Lake, Hope, Huetter, Idaho Falls, Inkom, Iona, Irwin, Island Park, Juliaetta, Kellogg, Kendrick, Kooskia, Kootenai, Lapwai, Lava Hot Springs, Leadore, Lewiston, Lewisville, Lost River, Mackay, Malad City, McCammon, Menan, Montpelier, Moore, Moscow, Moyie Springs, Mud Lake, Mullan, Newdale, Oldtown, Onaway, Orofino, Osburn, Oxford, Paris, Parker, Peck, Pierce, Pinehurst, Plummer, Pocatello, Ponderay, Post Falls, Potlatch, Preston, Priest River, Rathdrum, Rexburg, Rigby, Riggins, Ririe, Roberts, Rockland, Salmon, Sandpoint, Shelley, Smelterville, Soda Springs, Spencer, Spirit Lake, St. Anthony, St. Charles, St. Maries, Stanley, Stites, Sugar City, Swan Valley, Tensed, Teton, Tetonia, Troy, Ucon, Victor, Wallace, Wardner, Warm River, Weippe, Weston, White Bird, Worley

5. **Total Funding Level Requested:** \$6,438,050
6. **Sub-Total Requested Funding Amount by Consortium Members:** North Idaho College (lead): \$4,436,205, Lewis-Clark State College (member): \$503,087, Eastern Idaho Technical College (member): \$412,188, Idaho State University College of Technology (member): \$1,086,570
7. **Project Name:** Idaho Center of Excellence Healthcare Partnership
8. **Project Description and List of Credentials to be Developed and Awarded:**

The Idaho Center of Excellence Healthcare Partnership (ICE) will expand the ability of the consortia to respond to the economic and workforce development needs in Idaho by increasing the education and skill attainment of TAA eligible workers, veterans, and others for employment in the

healthcare industry. The program seeks to enroll 360 unique participants over three years into an effective series of programs that stack portable, industry recognized credentials; leading to national certifications, job placement, and degree attainment in the healthcare industry.

Career Pathways	Diagnostic Services, Health Informatics, Therapeutic Services
Programs of Study	Dental Assisting, EMT-Paramedic, Medical Laboratory Technician, Medical Assistant, Military Medic to Paramedic/Medical Assistant, Pharmacy Technology, Surgical Technology, Vet to RN
Credentials to Be Developed and Awarded	Certified Dental Assistant (National Credential) Certified Medical Assistant (National Credential) Medical Laboratory Technician (National Credential) EMT/Paramedic Certification (National Credential) Pharmacy Technician Certification (National Credential) Certified Surgical Technologist (National Credential)

9. **Populations to be served:** TAA eligible workers, veterans, and others

10. **Targeted Industry:** Healthcare

11. **Employer Partner(s):** Idaho Hospital Association, Kootenai Health, Heritage Health, Idaho Rural Health Consortium, Inland Northwest Health Services Health Training, Idaho Falls Fire Department, Creekside Dental, The Hospital Cooperative, Bingham Memorial

1. **Public Workforce System Partners:** Idaho Workforce Development Council, Idaho Department of Labor, Idaho State Board of Education

2. **Public Contact Information:** Christy Doyle, Dean Health Professions and Nursing, North Idaho College (208) 769-3481, cadoyle@nic.edu

3. **Percentage of OER Program Materials to be Developed vs. Percentage of Licensed or Purchased Program Materials:** 90% of Program Materials to be developed will be OER. 10% of program materials will be licensed or purchased.

4. **Data Tags:**

Assessment Technology, Basic Skills, Blended Learning, Career Pathways, Certificate Attainment, Competency-based Training, Developmental Education, Enhanced Student Services, Industry-Driven Competencies, Industry-Recognized Credentials, Job Placement, Mobile Devices, Online Teaching/Learning, Open Educational Resources, Retention Strategies, Simulations, Skill Assessments, Stackable Credentials, Technology Enabled Learning, Virtual Environments, Web-based Training

Attachment A: Project Abstract

1. **Applicant Name:** Southern Illinois University Edwardsville (SIUE)
2. **Applicant City/State:** Edwardsville, IL
3. **Consortium Member(s) and Consortium Member State(s):** (1) Lewis and Clark Community College, Godfrey, Illinois; (2) Lincoln Land Community College, Springfield, Illinois; (3) Carl Sandburg College, Galesburg, Illinois; (4) Southeastern Illinois College, Harrisburg, Illinois
4. **Areas Served by Grant:** State: Illinois. Counties: Adams, Bond, Calhoun, Cass, Christian, Clinton, Cook, DeKalb, DeWitt, Dupage, Fayette, Gallatin, Greene, Hamilton, Hancock, Hardin, Henderson, Jersey, Johnson, Kane, Kendall, Knox, Logan, Macon, Macoupin, Madison, Marion, Mason, McDonough, McHenry, Menard, Monroe, Montgomery, Morgan, Pope, Saline, Sangamon, Scott, St. Clair, Warren, Washington, White, Williamson. Cities: Chicago, Springfield
State: Missouri. Counties: Jefferson, St. Charles, St. Louis City, St. Louis County. Cities: St. Louis
5. **Total Funding Level Requested:** \$9,956,011
6. **Sub-Total Requested Funding Amount by Consortium Member:** (1) SIUE: \$5,776,441; (2) L&C: \$1,497,168; (3) LLCC: \$882,863; (4) CSC: \$1,049,474; (5) SIC: \$750,065
7. **Project Name:** Building Illinois' Bioeconomy
8. **Project Description and List of Credentials to be Developed and Awarded:** BIB partners Illinois higher education institutions to: (1) develop robust bioeconomy sector partnerships (2) recalibrate programs to align with industry needs; (3) establish stackable career pathways to meet adult learner needs; (4) integrate evidence-based design across program areas; (5) establish a sustainable consortium model that lives beyond the grant period and extends to other program areas. Credentials include: industry certifications, postsecondary certificates, and degrees in water management, stormwater management, agricultural watershed management, bioprocessing,

process maintenance, and biofuels. Awards will include non-credit and credit-bearing postsecondary certificates, associate's, bachelor's, and industry-recognized credentials.

9. **Populations to be Served:** TAA-eligible workers, Veterans, other unemployed, adults
10. **Targeted Industries:** Bioprocessing, Process Maintenance, Water Management
11. **Employer Partners:** Monsanto, Fremont Industries, Adkins Energy, Lincoln Land Agri-Energy, Abengoa Bioenergy, Big River Resources, Schwarz Brothers, Gates Mfg., Midstate Mfg. Co., Alexis Fire Equipment, Illinois American Water, AIWCD, CWLP
12. **Public Workforce System Partners:** IL Gov. Pat Quinn, IL DCEO, Madison Bond WIB, WIB of Western Illinois, Southern 14 WIB, West Central Development Council
13. **Other Key Partners:** TAACCCT projects (IL Green Economy Network, IL Network for Advanced Manufacturing, Mississippi River Transportation Distribution Logistics) IL Dept. of Ag, IL EPA, IL Manufacturers Assn, Growth Energy, National Corn Growers Assn, US Water Alliance, Northeast Midwest Institution, IL State Water Survey, Agricultural Watershed Institute, Corporation for a Skilled Workforce, Council for Advanced and Experiential Learning
14. **Public Contact Information:** Courtney Breckenridge, NCERC Director of Communications, SIUE, 618-659-6737 ext. 230, cbreckenridge@ethanolresearch.com
15. **Percentage of OER Program Materials Developed versus Percentage of Licensed or Purchased Program Materials:** Approximately 85% of program materials will be developed as OER; the remaining 15% will be licensed or purchased.
16. **Data Tags:** accelerated learning, career pathways, competency-based training, contextualized learning, developmental education, dual degrees, employer partnership, enhanced student services, game design, industry-driven competencies, industry-recognized credentials, on-the-job-training, open educational resources, paid internships, retention, registered apprenticeships

Abstract

1. Applicant Name: Ivy Tech Community College of Indiana (Ivy Tech)

2. Applicant City/State: Indianapolis, Indiana

3. Consortium Members and Consortium Member States: NA

4. Areas Served by Grant (by city, county and state)

State: Indiana (statewide)

Counties: All 92 counties

Cities: All cities, including Indianapolis, Gary, Hammond, East Chicago, South Bend, Fort Wayne, Evansville, Muncie, Kokomo, Anderson, etc.

5. Total Funding Level Requested: \$2,496,003

6. Sub-Total Requested Funding by Consortium Member (if applicable): NA

7. Project Name: Ivy Tech: Information Technology Pathways in Indiana (Ivy IT)

8. Project Description and List of Credentials to be Developed and Awarded:

Through the re-invention of IT programs and curriculum establishing guided IT pathways, Ivy Tech will offer training for Industry Certifications, Technical Certificates, and Associate's Degrees in eight (8) Information Technology career pathway programs through a new School of Computing and Informatics. All eight programs will be offered in classrooms and six online will be offered online in: CyberSecurity Information Assurance; Computer Science; Data Base Management; Informatics; IT Support; Server Administration; Software Development; and Network Infrastructure. Ivy Tech anticipates enrolling 13,913 students with at least 4,412 completing one or more credentials and 4,060 completers placed in jobs or advancing in employment *during the grant period*. Ivy Tech will also develop and launch a virtual IT career pathway advising tool.

9. Populations to be Served: TAA-eligible, veterans, and unemployed/displaced workers

10. Targeted Industry(s): Information Technology

11. Employer Partner(s):

Reg	Employers (see commitment letters)
1	Chester Inc.; Michigan City Area Chamber of Commerce; LaPorte County Convention & Visitors Bureau; Dage – MTI; The Unity Foundation
2	St. Joseph County Chamber of Commerce; Crowe Horwath

Ivy Tech: Information Technology Pathways in Indiana (Ivy IT)

3	Cypherpath Inc; Steel Dynamics Inc; Preferred IT Group, LLC; Prairie Quest Inc.
4	Fastenal; Wintek
5	Visionary Web; Intrasect Technologies; Groves CPA; City of Kokomo; North Central Economic Development Partnership; Byrd Family Trucking; Wabash County Hospital; Kokomo Housing Auth.; Kokomo Perspective; STP Servers
6	Vizi Courseware; Deltec Information Solutions; Innovation Connect; eKeeper Systems
7	ThyssenKrupp Presta USA, LLC; Elanco; City of Terre Haute
8	Indiana Farm Bureau Insurance; Lids Sports Group
9	Reid Hospital & Health Ctr; Richmond Community Schools; The Innovation Center; Richmond Power & Light; The Richmond Career Center; Wayne County EDC
10	BAA Information Engineering; LHP Software; Columbus Regional Hospital Info Systems
11	SuperATV LLC; Kings Daughter Hospital; Community Mental Health Center
12	Atlas Van Lines, Inc.; Old National Bank
13	West IP Communications; boice.net; Heartland Payment Systems
14	Jackson County Bank; Monroe County YMCA

12. Public Workforce System Partner(s): Indiana Department of Workforce Development, Indiana Career Council, and regional workforce boards as follow: Economic Growth Region 1 Northwest IN Workforce Board; Region 2 Northern IN Workforce Board; Region 3 Northeast IN Regional Workforce Board; Region 4 West Central IN Workforce Board; Region 5 Central IN Regional Workforce Board; Region 6 Eastern IN Economic Growth Region; Region 7 Western IN Economic Growth Region; Region 8 South Central IN Workforce Board; Region 9 Southeast IN Workforce Board; Region 10 Workforce Board; Region 11 WorkOne Southwest; Region 12 Employ Indy. See WIB commitment letters.

13. Other Key Partner(s): Heldrich Center for Workforce Development at Rutgers University, Indiana Commission for Higher Education, Other TAACCCT grantees, Veteran's Service Organizations.

14. Public Contact Information: Brian Thomas, Executive Director, Grants Office, Office of the President, Ivy Tech Community College, 317.916.7942, bthomas164@ivytech.edu

15. Percentage of OER Program Materials Developed vs Percentage of Licenses or Purchased Program Materials: e.g. Approximately 99% of program/course materials will be developed as open educational resources; and the remaining 1% will be licensed or purchased; arrangements for sharing the proposed virtual advising tool will be determined with the vendor.

16. Data Tags: Career Pathways; Certificate Attainment; Digital Materials; Employer Partnership; Industry-Driven Competencies; Industry-Recognized Credentials; Job Placement; Online Teaching/Learning; Stackable Credentials; Technology Enabled Learning; Virtual Environments; Real-Time Online Interactions; Enhanced Student Services.

Project Abstract

1. **Applicant Name:** Johnson County Community College
2. **Applicant City/State:** Overland Park, Kansas
3. **Consortium Member(s) and Consortium Member State(s):** N/A
4. **Areas Served by Grant (by city, county, and state):**
 - **State:** Kansas. **Counties:** Johnson, Franklin, Leavenworth, Linn, Miami, and Wyandotte.
5. **Total Funding Level Requested:** \$2,496,764
6. **Sub-Total Requested Funding Amount by Consortium Member (if applicable):** N/A
7. **Project Name:** Johnson County Community College: Accelerated, Collaborative Technology Training Services (JCCC-ACTTS)
8. **Project Description and List of Credentials to be Developed and Awarded:** JCCC-ACTTS will create innovative, information technology (IT) training that will serve TAA-eligible workers, eligible veterans and their spouses, and other adults. Certificates and degrees enhanced and awarded will include:
 - Computer Information Systems/Programming:* Software Developer Certificate, Java Programming Certificate, and C# Programming certificate, Computer Information Systems A.A.S., Information Systems Technology A.S.
 - Information Technology Networking:* CCENT Cisco Certificate, Network+ Certificate, C# Programming Certificate, Information Technology Networking A.A.S.
 - Health Information Systems Technology:* Medical Coding Certificate, Health Information Systems Workflow Management Specialist Certificate, Health Information Systems Training Specialist Certificate, and Health Information Systems A.S.

Web Technologies: Web Technologies Certificate, Web Designer Certificate, Web Developer Certificate, and Web Technologies A.A.S.

9. Populations to be Served: TAA-eligible workers, veterans, and other adults.

10. Targeted Industry: Information Technology and Technical Services

11. Employer Partners: Sprint; Cerner; VML; Network Technologies, Inc.; Business Instruments, LLC; Yoodle, LLC; Digital Evolution Group; City of Overland Park.

12. Public Workforce System Partners: Kansas Workforce Partnership; Kansas Department of Labor.

13. Other Key Partners: KC Next; MidAmerica Regional Council; Overland Park Chamber of Commerce; United Way Vet Alliance; Kansas City Women in Technology.

14. Public Contact Information: Deb Elder, Grant Project Director, Johnson County Community College, (913) 469-8500, ext.4270, delder6@jccc.edu

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: OER Program Materials Developed (70%) vs. Licensed or Purchased Program Materials (30%)

16. Data Tags: Accelerated Learning; Assessment Technology; Blended Learning; Career Pathways; Certificate Attainment; Competency-based Training; Contextualized Learning; Digital Materials; Employer Partnership; Enhanced Student Services; Industry-Drive Competencies; Industry-Recognized Credentials; Job Placement; Modular Curriculum; Online Teaching/Learning; Open Educational Resources; Retention; Personalized Instruction; Real-time Online; Self-paced Learning; Simulations; Skill Assessments; Stackable Credentials; Technology Enabled Learning; Virtual Environments.

KanTRAIN - Abstract

1. **Applicant Name:** Washburn University of Topeka (Lead Institution)
2. **Applicant City/State:** Topeka, KS
3. **Consortium Member(s)** Flint Hills Technical College; Garden City Community College; Washburn University of Topeka; Wichita Area Technical College.
4. **Areas Served by Grant:** State: Kansas. Counties: Finney, Lyon, Sedgwick, Shawnee. Cities: Emporia, Garden City, Topeka, Wichita.
5. **Total Funding Level Requested:** \$11,997,957

6. Sub-Total Requested Funding Amount by Consortium Member (as applicable):

Consortium Member	Funding Amount
Flint Hills Technical College, Emporia, KS	\$1,703,977
Garden City Community College, Garden City, KS	\$1,975,546
Washburn University of Topeka	\$3,277,459
Wichita Area Technical College, Wichita, KS	\$1,500,000
Washburn University of Topeka, Grant Management, Topeka, KS	\$3,540,972

7. Project Name: Kansas Technical Re/training Among Interdisciplinary Networks (KanTRAIN)

8. Project Description and List of Credentials to be Developed and Awarded:

The KanTRAIN project is an innovative, skills-based approach to building programs based on industry needs and leveraged technology to provide access to employment sector opportunities for participants. This model provides an industry-based approach that assesses participants' knowledge, skills and abilities, and provides competency-based training for the skills and credentials students need to find meaningful employment in high-wage, high-demand jobs.

Program/ NAICS #	Certifications/Credentials/Degree Current/Proposed
Advanced Manufacturing/ 31-33	WorkREADY (NRWC); OSHA 10 or 30; Welding AAS, Welding Certs; SENSE AWS Certs; Automation Engineer Technology Cert; Control Systems Technician; AAS; NC3 Certs; <i>more to be developed</i>
Health Care Occupations/62	Degrees &/or Certificates - CNA,CMA, HHA,CST, LPN, ADN, BSN, HIT, OTA, PTA, RRT, WorkREADY, EMT, Medical Assistant, Medical Coding (AAPC), TeamSTEPPs

9. Populations to be Served: TAA-eligible workers and other adults.

10. Targeted Industry(s): Advanced Manufacturing and Health Care Occupations.

11. Employer Partner(s): Praxair, Earnest Spencer Companies; Sauder Custom Fabrication; Specialty Welding Inc., Worthington Industries; St. Francis Health Center, Midwest Health; Advatec Robotics, Trane; Textron Aviation-Cessna; Hospira, Rolling Hills Health Care, and American Warrior.

12. Public Workforce System Partner(s): Kansas Department of Commerce and Kansas Workforce Centers

13. Other Key Partner(s): Let's Help, Inc.; Kansas Board of Regents; Manufacturing Institute; Round 1 TAACCCT Grantee: TRAC-7 Kansas Consortium; Round 2 TAACCCT Grantee: Wichita Area Technical College; Round 3 TAACCCT Grantee: Butler Community College; National Network of Health Career Programs in Two Year Colleges; Economic Modeling Specialists (EMSI)

14. Public Contact Information: Debra Mikulka, Washburn University, (785) 670-1403, Topeka, KS: debra.mikulka@washburn.edu

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 85% of program materials will be developed as open educational resources, and the remaining 15% will be licensed or purchased.

16. Data Tags (up to 25): Accelerated Learning, Basic Skills, Blended Learning, Career Pathways, Competency-based Training, Degree Attainment, Developmental Education, Employer Partner/s, Industry-Recognized Credentials, Internships, Mentoring, Modular Courses, On-the-job Training, Online Learning, Open Educational Resources, Retention, Registered Apprenticeship Program, Self-paced Learning, Simulations, Skill Assessment, Stackable Credentials, Technology Enabled Learning, Virtual Learning, common course cartridge.

Attachment: Enhancing Programs in IT Certification Abstract

1. **Applicant Name:** Hazard Community and Technical College
2. **Applicant City/State:** Hazard, Kentucky
3. **Consortium Members:**
 - Big Sandy Community and Technical College, Prestonsburg KY
 - Hazard Community and Technical College, Hazard KY (***Consortium Lead College***)
 - Jefferson Community and Technical College, Louisville KY
 - Somerset Community College, Somerset KY
 - Southeast Kentucky Community and Technical College, Cumberland KY
 - West Kentucky Community and Technical College, Paducah KY
4. **Areas Served by Grant (by city, county, and state):**
 - **State:** Kentucky.
 - **Counties:** Ballard, Bell, Breathitt, Bullitt, Calloway, Carlisle, Carroll, Casey, Clinton, Cumberland, Floyd, Fulton, Grayson, Harlan, Hickman, Jefferson, Johnson, Knott, Knox, Laurel, Lee, Leslie, Letcher, Lincoln, Livingston, Lyon, Martin, Magoffin, Marshall, McCracken, McCreary, Perry, Pike, Oldham, Owsley, Pulaski, Rockcastle, Russell, Shelby, Taylor, Trimble, Wolfe, Wayne, and Whitley.
 - **Cities:** Hazard, Harlan, Louisville, Paducah, Pikeville, and Somerset.
5. **Total Funding Level Requested:** \$10,000,000
6. **Sub-Total Requested Funding Amount by Consortium Member:**
 - Big Sandy Community and Technical College: \$889,520
 - Hazard Community and Technical College: \$5,552,400
 - Jefferson Community and Technical College: \$889,520
 - Somerset Community College: \$889,520
 - Southeast Kentucky Community and Technical College: \$889,520
 - West Kentucky Community and Technical College: \$889,520
7. **Project Name:** Enhancing Programs for IT Certification (EPIC)
8. **Project Description and List of Credentials to be Developed and Awarded:**

Kentucky's Enhancing Programs for IT Certification (EPIC) Consortium is proposing a next generation expansion of Learn on Demand, taking the existing online, personalized competency-based learning system and investing in an array of cutting-edge technology and evidence-based strategies for promoting student success. The revamped model will incorporate increased student supports, adaptive learning technologies, enhanced student tracking, and new modules focused on ensuring success in online learning and finding a job. EPIC is an expansion of Learn on Demand to include four major information technology (IT) pathways in computer and medical information latticed and stackable fields that in total will lead to five degrees and 13 certificates, all of which will be developed in concert with regional and national employers. EPIC will provide more than 720 trade-impacted workers and other adult learners with an exceptionally flexible, supportive structure to earn credentials in less time and at a lower cost than conventional semester-length, classroom-based programs of study—thereby strengthening their transitions to high-demand IT career fields. Specifically, the Consortium will meet the needs of Trade Adjustment Assistance-eligible workers and other adult learners through implementation of four strategies:

 - **Strategy 1:** Improve access to online competency-based IT credential and degree pathways by enhancing and scaling Kentucky's LoD program.
 - **Strategy 2 :** Implement comprehensive intake systems, contextualized, co-enrolled developmental

education, and online success skills training to ensure students are prepared to succeed in academic courses.

- **Strategy 3:** Develop high-demand stacked and latticed credential and degree pathways validated by local and national businesses employing IT professionals and systems to individually track students.
- **Strategy 4 :** Create a suite of workforce strategies – virtual internships, work-readiness training, and competency-based work-based learning – to ensure students transition effectively to traditional and telecommuting jobs.

List of Credentials to be Developed and Awarded:

AAS CIT Network Administration – CISCO	CERT Global Support Tech
AAS CIT Programming Track	CERT Programming
AAS CIT Applications – Computer Support	CERT A+
AAS MIT – Medical Coding Track	CERT Net+
AAS MIT – Electronic Medical Records Track	CERT Security+
CERT Cisco Network Associate	CERT Medical Coding
CERT Computer Support Technician	CERT Electronic Health Records
CERT Microsoft Windows Administrator	CERT Coding Specialist

9. **Populations to be Served:** TAA-eligible workers, veterans, adult learners, incumbent workers
10. **Targeted Industry:** Information Technology
11. **Employer Partners:** Baptist Health Paducah, Paducah Womens Clinic, Genesis Health Technology, Computer Services, Inc., Highlands Health Systems, Gearheart Communications, Big Sandy IT Department, Hazard Clinic, Kentucky River Medical Center, Peoples Bank and Trust, Primary Care Centers, Stidham Reconstruction and Investigations, Harlan County School Board, Mountain Comprehensive Health Corporation, Jackson Energy Cooperative, Laurel County School System, and Center for Rural Development.
12. **Public Workforce System Partner(s):** Kentucky Department of Workforce Investment (including THE State TAA Office), East Kentucky Concentrated Employment Program, Teleworks USA, Kentuckiana Works Greater Louisville Workforce Investment Board, Lake Cumberland Area Development District, and West Kentucky Workforce Investment Board-Pennyrile.
13. **Other Key Partner(s):** Sinclair Community College, Bossier Parrish Community College, Collin College, Teleworks USA, Kentucky Highlands Investment Corporation, Kentucky Community and Technical College System, American Health Information Management Association (AHIMA), Per Scholas, and Jobs for the Future.
14. **Public Contact Information:** Ella Strong, Dean of Distance Learning, Hazard Community and Technical College. (606) 487-3208. Ella.Strong@kctcs.edu
15. **Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials:** Approximately 60% of program materials will be developed as open educational resources, and the remaining 40% will be licensed or purchased.
16. **Data Tags:** accelerated learning, certificate attainment, job placement, job readiness, work-based learning, open educational resources, stackable credentials, web-based training, competency-based education, skill assessments, contextualized learning, developmental education, employer partnership, telecommuting, modular curriculum, online community, success coaching, self-paced learning, enhanced student services, adaptive learning technology, industry-recognized credentials, virtual internships, apprenticeships, simulations.

Project Abstract

1. Applicant Name: Bossier Parish Community College (single institution applicant)

2. Applicant City/State: Bossier City, LA

3. Consortium Member(s) and Consortium Member State(s): N/A

4. Areas Served by Grant (by city, county, and state):

• **State:** Louisiana **Parishes:** Caddo, Bossier, Webster, Claiborne, DeSoto, Lincoln, Bienville, Red River, Sabine, and Natchitoches **Cities:** Shreveport, LA; Bossier City, LA; Minden, LA; Homer, LA; Mansfield, LA; Ruston, LA; Arcadia, LA; Coushatta, LA; Many, LA; Natchitoches, LA

5. Total Funding Level Requested: \$2,499,325

6. Sub-Total Requested Funding Amount by Consortium Member (if applicable): N/A

7. Project Name: Advanced Manufacturing, Mechatronics, and Welding Training and Apprenticeships

8. Project Description and List of Credentials to be Developed and Awarded:

- As one of the fastest-growing community colleges in the United States, *Bossier Parish Community College's Center for Excellence in Advanced Trade Skills Program (ATSP)* will transform educational delivery methods and accelerate credential attainment in the advanced manufacturing fields and advanced welding career pathways. The ATSP will serve more than 1,900 TAA-eligible workers, veterans, and other individuals in the northwest region of Louisiana through three primary strategies. Strategy 1 will develop and implement stacked and latticed credential and degree pathway for the Advanced Welding Program to supplement the Advanced Manufacturing and Mechatronics curriculum by using work-based learning, industry-driven competencies, and advanced technical skills. In Strategy 2, the program will build on and incorporate online technology and simulation-based software to supplement training, provide for academic remediation, maximize student access to training, and analyze the cognitive tasks associated with advanced training and technical skills. In the final strategy, Strategy 3, the program will link new degree pathways and apprenticeship opportunities with previous

TAACCCT funded programs to broaden access and accelerate students' path toward employment, further articulation, and credential attainment.

- **Credentials to be Developed and Awarded:** Developed: Technical Competency Area in Advanced Welding; Certified Welding Supervisor, Certified Welding Inspector; Awarded: Certified Technical Certificate; Associate of Applied Science in Advanced Manufacturing and Mechatronics; Siemens Level I and Siemens Level II Mechatronics certifications

9. Populations to be Served: TAA-eligible workers, long-term unemployed and veterans

10. Targeted Industry(s): Manufacturing and Mechatronics

11. Employer Partner(s): AEP SWEPCO; Libbey Glass; Ternium Steel; Omni Specialty Packaging; Frymaster; Red River Pharmaceuticals; Webster Machine; Mactek Manufacturing; and Benteler Steel/Tube.

12. Public Workforce System Partner(s): Herman Vital, Bureau Chief, City of Shreveport Community Development Workforce Bureau; Nada Percival, WIB Director, Seventh Planning District Consortium WIB; and Heather Stefan, Director of Apprenticeship, Louisiana Workforce Commission.

13. Other Key Partner(s): Round 2 TAACCCT Grantee and Round 3 TAACCCT Grantee

14. Public Contact Information: Lisa Wheeler, Director of Grant Programs, Bossier Parish Community College, (318) 678-6206, lwheeler@bpcc.edu.

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 75% of program materials will be developed as open educational resources, and the remaining 25% will be licensed or purchased.

16. Data Tags (up to 25, see *table below*): accelerated learning, Career Pathways, certificate attainment, job placement, Competency-based Training, Contextualized Learning, Enhanced Student Services, Industry-Driven Competencies, Industry-Recognized Credentials, Job Placement, on-the-job training, Online Teaching/Learning, Open Educational Resources, open educational resources, Registered Apprenticeships, Simulations, Skill Assessments, Stackable Credentials, Technology Enabled Learning and web-based training.

Project Abstract

- 1. Applicant Name:** Delgado Community College (Single Institution Applicant)
- 2. Applicant City/State:** New Orleans, Louisiana
- 3. Areas Served by Grant: State:** Louisiana **Parishes:** Orleans, Jefferson, Plaquemines, St. John the Baptist, Tangipahoa, Washington, St. Tammany, St. James, St. Charles and St. Bernard; **Cities:** New Orleans, Metairie, Kenner, Algiers, Hammond, Slidell, Belle Chasse, Venice, Reserve, Ponchatoula, Bogalusa, Covington, Franklinton, Litcher, Gramercy, Luling, Destrehan, Chalmette, Houma, Thibodaux, Westwego, Harahan, LaPlace, and Gonzales
- 4. Total Funding Requested:**
- 5. Project Name:** Scale-up Southeast Louisiana: A Solution for the Advanced Manufacturing Workforce (Scale-up SELA)
- 6. Project Description and List of Credential to be Developed and Awarded:** Scale-up SELA will provide competency-based, accelerated manufacturing and energy sector training through the use of hybrid and online technologies, utilization of I-BEST for delivery of instruction, career pathway development with articulation to four-year institutions, credit for prior learning, and strategic alignment with workforce systems and other stakeholders. Participants will be provided with the wrap-around supportive services needed to increase completion as well as opportunities for experience in real work settings and to gain national certifications recognized by industry. Participants will have the opportunity to earn Certificates of Technical Studies in Industrial Maintenance, Precision Machining, Welding, Electrical, Pipefitting, and Process Technology. Associates and Bachelor's degrees will be offered and by means of transferable credit and articulation with four-year institutions. Scale-up SELA will create a large pool of qualified workers to satisfy the increasing employment needs of our region and beyond.

- 7. Populations to be Served:** TAA-eligible workers, veterans and dislocated workers
- 8. Targeted Industries:** Advanced Manufacturing and Energy
- 9. Employer Partners:** Laitram, Chalmette Refining-ExxonMobil, Phillips 66-Conoco, Lockheed Martin, U.S. Heritage Powersports
- 10. Public Workforce System Partners:** Business and Career Solutions Centers, Workforce Investment Boards, New Orleans Business Alliance, Greater New Orleans Foundation, Adult Education
- 11. Other Key Partners:** Greater New Orleans, Inc., DMMI & Associates, TAACCCT Round 2 grantee
- 12. Public Contact Information:** Dr. Larissa Littleton-Steib, Vice Chancellor, Workforce Development and Technical Education, Delgado Community College, (504) 671-6488, lsteib@dcc.edu
- 13. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials:** Approximately 80% of program materials will be developed as open educational resources. The remaining 20% will be licensed or purchased.
- 14. Data Tags:** accelerated learning, basic skills, blended learning, career pathways, certificate attainment, competency-based training, employer partnership, enhanced course articulation, enhanced student services, industry-driven competencies, industry-recognized credentials, on-the-job training, online teaching/learning, personalized instruction, simulations, skill assessments, stackable credentials, technology enabled learning, advanced manufacturing, energy

Project Abstract

- 1. Applicant Name:** Cape Cod Community College (single institution applicant)
- 2. Applicant City/State:** West Barnstable, MA
- 3. Consortium Members** (not applicable)
- 4. Areas Served by Grant:** **State:** Massachusetts **County:** Barnstable, Plymouth, Bristol, Nantucket, Dukes. **Cities:** Hyannis, Plymouth, New Bedford.
- 5. Total Funding Level Requested:** \$2,471,478
- 6. Sub-Total Requested by Consortium Member** (not applicable)
- 7. Project Name:** Massachusetts Careers and Credentials in Aviation
- 8. Project Description and List of Credentials to be Developed and Awarded:**

Project Description: CCCC is developing an accelerated (1 year) program to train workers as Aviation Maintenance Technicians. The program has developed strong partnerships with state-wide and regional employers, the U.S. Coast Guard, Camp Edwards Army National Guard, two industry associations, the workforce system, and state economic development entities to design and implement accelerated pathways for jobs requiring a FAA A&P certificate as well as other aviation and avionics occupations. CCCC will be one of only six community colleges in the U.S. to offer FAA A & P certification training in an accelerated format, and will be the only public institution of higher education offering the accelerated certificate in the eastern New England. TAA-eligible and other dislocated workers will be trained quickly and in close coordination with employers to better respond to industry needs. The ***Massachusetts Credentials and Careers in Aviation (MCCA)*** will build upon best practices and is utilizing other open-source resources and evidence-based strategies.

Credentials Developed and/or Awarded: Airframe Certificate, Powerplant Certificate, Airframe and Powerplant Certificate, Associate of Applied Science in Aviation Maintenance.

- 9. Populations to be Served:** TAA-eligible workers, other dislocated workers and veterans

Project Abstract

10. Targeted Industry: Aviation, Aviation Maintenance, Avionics

11. Employer Partner(s):

Cape Air	Island Air	Mesa Airlines	Delta Airlines	JetBlue
Manchester Airport	Barnstable Airport	Heritage Turbine	Snap-On	Griffin Aviation
Stick'N'Rudder Aero Maintenance/Chatham	Atlantic Aero Support	Pratt & Whitney	Empire Airline	Mills Air Service

12. Public Workforce System Partner(s): Cape and Islands Workforce Investment Board,
Massachusetts Department of Workforce Development.

13. Other Key Partner(s): Regional Airline Association, Regional Cargo Carriers Association,
Massachusetts Port Authority, Massachusetts Department of Transportation, Massachusetts Space
Grant Consortium/MIT, Bridgewater State University.

14. Public Contact Information: Susan Miller, Vice President, Academic and Student Affairs, Cape
Cod Community College. Phone (508) 362-2131.

**15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased
Program Materials:** Approximately 60% of program materials utilized will be developed as
open educational resources, 10% will be adapted from existing OER resources, and the remaining
30% will be licensed or purchased.

16. Data Tags: Accelerate Progress, Accelerate Learning, Articulation, Aviation, Avionics, Block
Scheduling, Career Pathways, Career and Technical Education, Certificate Attainment,
Competency Assessment, Contextualized Learning, Degree Attainment, Economic Development,
Employer Partnership, Educational Pathways, Industry Partnership, Industry Driven
Competencies, Job placement, Paid Internships, Prior Learning Assessment, Regional Approach,
Simulations, , Skill Assessments, Stackable Credentials, Technology Enabled Learning.

Project Abstract

1. Applicant Name: Massasoit Community College

2. Applicant City/State: Brockton, Massachusetts

3. Consortium Members and Member States: All members below are colleges in Massachusetts.

- Berkshire Community College
- Bristol Community College
- Bunker Hill Community College
- Cape Cod Community College
- Greenfield Community College
- Holyoke Community College
- Massachusetts Bay Community College
- Middlesex Community College
- Mt. Wachusett Community College
- North Shore Community College
- Northern Essex Community College
- Quinsigamond Community College
- Roxbury Community College
- Springfield Technical Community College

4. Areas Served by the Grant: This statewide project serves every county and community in Massachusetts.

5. Total Funding Level Requested: \$20,000,000

6. Sub-total Requested Funding Amount by Consortium Member:

Consortium Member	Requested Funding	Consortium Member	Requested Funding	Consortium Member	Requested Funding
Berkshire CC	\$525,000	Holyoke CC	\$525,000	North Shore CC	\$525,000
Bristol CC	\$525,000	Massachusetts Bay CC	\$525,000	Northern Essex CC	\$525,000
Bunker Hill CC	\$525,000	Massasoit CC (Lead)	\$12,650,000	Quinsigamond CC	\$525,000
Cape Cod CC	\$525,000	Middlesex CC	\$525,000	Roxbury CC	\$525,000
Greenfield CC	\$525,000	Mount Wachusett CC	\$525,000	Springfield Technical CC	\$525,000

7. Project Name: Guided Pathways to Success in STEM (GPSTEM)

8. Project Description and List of Credentials to be Developed: A consortium of all 15 of Massachusetts' community colleges, with their workforce development and industry partners, are advancing a comprehensive approach to address the training and education needs of workers and employers statewide with a focus on articulated pathways to careers in high growth STEM sectors. The proposed project will use the Complete College America Guided Pathways to Success model to achieve the goal of increasing the attainment by TAA-eligible and other workers of STEM degrees and certificates that match the skills needed by employers in Massachusetts' innovation economy. This progressive model focuses on reducing time to completion of certificate and degree programs, resulting in more students entering employment and/or transferring into four-year programs to add to their credentials. Through this project 24 STEM degrees or degree options, and 58 certificate programs, listed below, will be introduced or enhanced. For a comprehensive listing by consortium member, please see Table 9 of the project narrative.

Degrees	Chemistry, Biology, Physics, Lab Science, Biotechnology, Advanced Manufacturing, Architectural & Civil Engineering Technology, Electrical, Electro-Mechanical, Civil/Environmental, & Mechanical Engineering, Engineering Design, Electronics Engineering Technology, Engineering Technology CAD, CIS, Cyber Security, CJ Secure Software Development, Computer Applications, Programming, Networking, IT Technology and Management, Information Assurance, Web Site Development, Veterinary Technician
Certificates	Biotechnology, Biotech Manufacturing, Biological Technician, Advanced Manufacturing, CNC, Plastics,

	PLC, Medical Device Manufacturing, Pre-engineering, Engineering Technology, Reverse Engineering, CAD, Drafting & Manufacturing, Medical Device Manufacturing, Robotics, Project Management, Automated Systems, Green Building, Solar Energy, Surveying & Wind Power, Hospitality/Front Desk, Career Readiness, Serve Safe, Hospitality, IT Administration & Support, Computer Forensics, Network Tech, Software Dev., Programming, Networking, Cyber Security, IT Support Specialist, Microsoft Office, CPT, Central Services and Material Management, Web Designer, Web Developer, Web Master, Help Desk, Telecommunications, Applications Development, Microsoft Office, CIS, IT Security, Networking, Programming, Call Center Support, Health Information Technology, Medical Coding, Medical Billing, Pharmacy Technician, Long-term/Geniatric Care Aids, Ready for Healthcare, Community Health Worker, CNA, Patient Care Coordination, Physical Therapy Assistant, & Surgical Technology
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9. Populations to be Served: TAA-eligible workers, un- and under-employed workers, veterans

10. Targeted Industries: STEM industries including Biotechnology, Information Technology, Private/Cyber Security, Advanced Manufacturing, Life Sciences, Health Care, Engineering, Green Energy, Veterinary Science, Architecture and Green Building, and Telecommunications.

11. Employer Partners: Please refer to Table 10 in the project narrative for a listing by region/site.

- Genzyme, a Sanofi Company
- Ashfield Cheyne Veterinary Service
- CVS Caremark
- Mass Mutual
- Towerwall, Inc.
- Arden Engineering Constructors
- Hydroid, Inc.
- Teledyne Marine Systems
- BETE Fog Nozzle, Inc.
- CIL, Inc.
- Dexter-Russell, Inc.
- Hi-Tech Mold & Tool, Inc.
- Metso Automation, USA Inc.
- North Easton Machine Company
- Onyx Specialty Papers, Inc.
- Smith & Wesson
- The duMont Company, LLC
- Baystate Healthcare
- Reliant Medical Group
- Mass Development
- STEM Advisory Council
- Service Employees International Union 1199
- Loss Prevention Foundation

12. Public Workforce System: The consortium is partnering with the Massachusetts Executive Office of Labor and Workforce Development, all 16 Workforce Investment Boards, and all 30 Career Centers across the Commonwealth.

13. Other Key Partners: Massachusetts Community College Executive Office; Massachusetts Department of Higher Education; Massachusetts State College and Universities; Complete College America; and Central Lakes College of Minnesota. Additional partner on the request to exceed funding cap, focusing on Option 2) Improving statewide data integration and use: Massachusetts Institute of Technology (MIT).

14. Public Contact Information: Hollyce States, Associate Dean of Grants & Sustainability, One Massasoit Blvd., Massasoit Community College, Brockton, MA 02302

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately half (47%) of materials will be developed as open educational resources, and the remaining half (53%) will be licensed or purchased.

16. Data Tags: Accelerated Progress, Achievement Rates, Career Pathways, Certificate Attainment, Degree Attainment, Enhanced Student Services, Industry-driven Competencies, Industry-Recognized Credentials, Online Teaching/Learning, Open Educational Resources, Retention, Personalized Instruction, Real-time Online Interactions, Retention Strategies, Self-paced Learning, Simulations, Skills Assessment, Stackable Credentials, Technology-enabled Learning, Web-based Training.

Project Abstract

1. Applicant Name: Montgomery College (MC)

2. Applicant City/State: Rockville, Maryland

3. Consortium Member(s) and Consortium Member State(s): Allegany College Of Maryland, Anne Arundel Community College, Baltimore City Community College, Carroll Community College, College of Southern Maryland, Community College of Baltimore County, Frederick Community College, Garrett College, Hagerstown Community College, Harford Community College, Howard Community College, Montgomery College, Prince George's Community College, and Wor-Wic Community College. All consortium members are in Maryland.

4. Areas Served by Grant: State: Maryland; **Counties:** Allegany, Anne Arundel, Baltimore City, Baltimore, Calvert, Caroline, Carroll, Cecil, Charles, Dorchester, Frederick, Garrett, Harford, Howard, Kent, Montgomery, Prince George's, Queen Anne's, St. Mary's, Somerset, Talbot, Washington, Wicomico and Worcester. **Pennsylvania: Counties:** Bedford and Somerset **Cities:** Statewide with emphasis on Annapolis, Cumberland, Arnold, Baltimore, Westminster, La Plata, Frederick, McHenry, Hagerstown, Bel Air, Aberdeen, Columbia, Rockville, Largo, and Salisbury Maryland; Bedford, Fayette and Somerset, Pennsylvania.

5. Total Funding Level Requested: \$14,957,899

6. Sub-Total Requested Funding Amount by Consortium Member: MC \$5,371,743; **Allegany College of Maryland** \$803,889; **Anne Arundel CC** \$ 817,368; **Baltimore City CC** \$800,000; **Carroll CC** \$865,292; **College of Southern Maryland** \$826,160; **Community College of Baltimore County** \$773,362, **Frederick CC** \$731,614, **Garrett College** \$448,959, **Hagerstown CC** \$797,916, **Harford CC** \$738,320 **Howard CC** \$824,339, **Prince George's CC** \$ 359,021, **Wor-Wic CC** \$799,916

7. Project Name: Cyber-Technology Pathways Across Maryland (CPAM) Consortium

8. Project Description and List of Credentials to be Developed and Awarded: Maryland is a national center of cybersecurity, yet many low-skilled workers find these careers difficult to enter while companies complain about thousands of unfilled and unfillable job openings. To this end, the Cyber-Technology Pathways Across Maryland (CPAM) Consortium will create linkages and develop mechanisms to clear, cohesive, career pathways, from basic education, through college, leading to good jobs for Marylanders who are TAA workers, veterans, the un- and under-employed, and other low-skilled adults, with special emphasis on bringing women and underrepresented populations into the field.

CPAM is a statewide effort; consisting of 14 of the state's 16 community colleges. Programs of study will be aligned with industry-required knowledge, skills, and abilities and lead to industry-recognized credentials. Student will be able to stack and lattice credentials, and will have transfer opportunities to four-year programs. CPAM participants will receive comprehensive wrap-around supports via on-campus liaisons, a virtual platform, and WIB and Career One Stop centers.

CPAM Guiding strategies include to: (1) Build a statewide Career Pathways system that is clear to navigate and provides accessible on-ramps to training and credentials, and off-ramps to good jobs for workers of all educational and skill levels; (2) Develop a statewide system of requirements, processes and services that attract the target population and help them gain credit for prior learning, build basic skills and

industry knowledge, reduce time to completion, gain occupational credentials and enter career path employment in cyber security; (3) Build a connected statewide information and communication system to assist participants in making informed choices, and provide data driven analyses to inform decision-making, continuous improvement and longer term planning; (4) Employ technology to strengthen quality programming and delivery across the state, particularly access to high-quality curricula, expert instructors, simulations and labs, work-based learning opportunities, academic support and employment and (5) Build strategic partnerships that engage employers, leverage resources, expertise and networks of a variety of agencies to meet participants' needs for support and respond to employers' changing skill needs over time.

CPAM will prepare participants for good-paying careers such as Network Support Specialists, Web Developers, and Information Security Analysts. Colleges will partner with a variety of organizations, including state and local WIBs; Career One Stops; and veterans' offices, to identify, recruit, and support participants. Employers and industry partners will provide critical support to this sector-based strategy leading in cyber security. Credentials to be developed and awarded include: Cyber Technology Certificate (CCNA; CompTIA A+, Network+, Security +, SCNP), Advanced Certificates (Cyber Forensics, Certified Ethical Hacker, Information Assurance, Information Systems/Network Security, Database Systems Admin, Website Development, Programming), Cyber Security A.A.S. and Networking/Network Security A.A.S.

9. Populations to be served: TAA workers, veterans, incumbent workers, low-skilled workers, underrepresented groups, and unemployed workers

10. Targeted Industry(s): Cyber Security **Economic Sector: NAICS:** Information Technology: 51, Professional, Scientific, and Technical Services: 54, Educational Services: 61

11. Employer Partner(s): Over 37 employers, including IBM, Rockwell Collins, Carroll Hospital Center, Skyline, Booz Allen, NAVAIR, MedStar St. Mary's Hospital, Frederick County Workforce Services, Leidos, Raytheon Solipsys, DMI, Lockheed Martin, Peninsula Regional Medical

12. Public Workforce System Partner(s): Maryland State Department of Labor, Licensing and Regulation (DLLR), statewide TAA services entity; Local Workforce Investment Boards and local One-Stops in all participating counties (see above list).

13. Other Key Partner(s): CyberWatch, Tech Council of Maryland, Carroll Tech Council, Tri-County Council for Southern Maryland, Housing Opportunities Commission

14. Public Contact Information: Steve Greenfield, Dean of Instruction, Montgomery College, 240-567-2583, steve.greenfield@montgomerycollege.edu

15. Percentage of OER Program Materials: 80% of program materials will be developed as Open Educational Resources (OER), and the remaining 20% will be licensed or purchased.

16. Data Tags: Accelerated learning, Blended learning, Block scheduling, Career pathways, Certificate attainment, Competency-based training, Contextualized learning, Degree attainment, Digital materials, Employer partnership, Enhanced course articulation, Industry-driven competencies, Industry-recognized credentials, Job placement, Online teaching/learning, Open educational resources, Paid internships, Retention, Self-paced learning, Skill assessments, Stackable credentials, Technology enabled learning, Virtual environments, Web-based training

Project Abstract – TAACCCT 4

1. **Applicant Name:** Kennebec Valley Community College
2. **Applicant City/State:** Fairfield, Maine
3. **Consortium Members:** N/A
4. **Areas Served by Grant:** Kennebec, Somerset and Knox Counties, Maine
5. **Total Funding Level Requested:** \$2,499,977
6. **Sub-total Requested Funding Amount by Consortium Member:** N/A
7. **Project Name:** Advancing Health Care and Construction Careers in Mid-Maine
8. **Project Description and List of Credentials to be Awarded:**

KVCC will replicate or adapt existing evidence-based strategies and promising practices which have been demonstrated to positively influence student retention, persistence and graduation rates. KVCC will integrate prior-learning assessment, dedicated student navigation, online and technology-enabled education and experiential learning into education and training programs which lead to the attainment of industry-recognized credentials and employment. The College will enhance and expand its Mental Health and Medical Assisting programs to increase the number of certified medical assistants and mental health professionals available for employment at local health care providers and social service agencies. KVCC will develop and offer a new program in Sustainable Design/Build which combines traditional construction skills with opportunities to learn about sustainable forestry, joinery, architectural history, restoration, and wood science. Graduates will be prepared to obtain employment within a wide array of sectors businesses including forestry, general contracting, timber frame construction, architecture firms or engineering.

Program of Study	Credential Completed in Two Year or Less
Mental Health	MHRT/Community Provisional Certification (existing)
Mental Health	MHRT/Community Full Certification (existing)
Mental Health	Associate in Applied Science degree (existing)

Medical Assisting	Associate in Applied Science degree (existing)
Medical Assisting	Certified Medical Assistant Certification (existing)
Sustainable Design/Build	Associate in Applied Science degree (planned)
Sustainable Design/Build	Certificate in Joinery (planned)
Sustainable Design/Build	Certificate in Forestry (planned)
Sustainable Design/Build	Certificate in Entrepreneurship (planned)

9. **Populations to be Served:** TAA-eligible and other dislocated workers and adult learners
10. **Target Industries:** Health Care/Social Assistance (NAICS 62) and Construction (NAICS 23)
11. **Employer Partners:** MaineGeneral Health; Inland Hospital; Care & Comfort; Kennebec Behavioral Health; Sheridan Corporation; and, Mainely Trusses.
12. **Public Workforce System Partners:** Maine Department of Labor; Central/Western Maine Workforce Board
13. **Other Key Partners:** Babson College; The Posse Foundation; The Timber Framers Guild; Waterville Area Habitat for Humanity; the Mid-Maine Chamber of Commerce; and the Kennebec Valley Chamber of Commerce
14. **Public Contact Information:** Dr. Richard Hopper, President, Kennebec Valley Community College; 92 Western Avenue; Fairfield, ME 04937; president@kvcc.me.edu; (207)453-5129.
15. **Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials:** 70% OER; 30% licensed or purchased.
16. **Data Tags:** Blended Learning, Career Pathways, Certificate Attainment, Competency-based Training, Degree Attainment, Employer Partnership, Enhanced Student Services, Industry-Recognized Credentials, Job Placement, Learning Communities, Modular Curriculum, Retention Strategies, Simulations, Skill Assessments, Stackable Credentials, Technology Enabled Learning, Web-based Training.

Attachment A

Project Abstract

- 1. Applicant Name:** Alpena Community College – individual applicant
- 2. Applicant City/State:** Alpena, Michigan
- 3. Consortium Member(s) and Consortium Member State(s) (if applicable):** N/A
- 4. Areas Served by Grant (by city, county, and state):**
 - **State:** Michigan. **Counties:** Alcona, Alpena, Cheboygan, Crawford, Iosco, Montmorency, Ogemaw, Oscoda, Otsego, Presque Isle and Roscommon
- 5. Total Funding Level Requested:** \$2,5000,000.00
- 6. Sub-Total Requested Funding Amount by Consortium Member (if applicable):** N/A
- 7. Project Name:** Building Career Pathways in the STEM Cluster: Closing the Skill Gaps in Northeast Michigan

8. Project Description and List of Credentials to be Developed and Awarded

Over the four-year funding cycle, the proposal intends to serve up to 300 unemployed or under-employed adults in the Northeast Michigan region with short-term training leading to employment in the STEM industry cluster, including: (1) aerospace; (2) cybersecurity; (3) green energy/smart grid technology; and (4) advanced manufacturing.

Aerospace	Cyber Security	Green Energy/Smart Grid Technology	Advanced Manufacturing
Apprenticeships Short-term Training Certificates AAS Degrees	Industry Credentials Certificates AAS Degrees	Industry Credentials Certificates AAS Degrees	Apprenticeships Short-term Training Certificates AAS Degrees

- 9. Populations to be Served:** TAA-eligible workers and long term unemployed workers in Northeast Michigan, with special priority of service given for veterans and spouses of certain veterans for the receipt of funded services.

10. Targeted Industry(s):

- STEM Industry Cluster
 - Aerospace
 - Cyber security
 - Green energy and smart grid technology
 - Advanced manufacturing

All four tracks offer promising employment opportunities for Northeast Michigan workers, while providing regional and statewide opportunities across each targeted industry sector. Local, regional, and statewide employers have participated in the community outreach process initiated by the Governor's Prosperity Alliance strategic plan, and indicate growth and demand in each track.

11. Employer Partner(s)

- Kalitta Air, Inc.
- Phoenix Composites
- DTE
- Consumers Energy
- Alpena Power Company
- Besser Company
- Merit, Inc.
- Michigan National Guard & Reserve
- Oceaneering, Inc.

12. Public Workforce System Partner(s)

- Michigan Works! Northeast Consortium Workforce Development Board
- Region 7B Consortium Workforce Development Board
- State of Michigan Workforce Development Agency

13. Other Key Partner(s)

- Michigan Aerospace Manufacturers Association
- Alpena Area Chamber of Commerce
- Michigan Utility Workforce Development Consortium
- Target Alpena Economic Development Agency

14. Public Contact Information: Dr. Donald MacMaster, Vice President of Workforce Development, Alpena Community College, 989-358-7344, macmastd@alpenacc.edu

15. Percentage of OER Program Materials Developed vs. Percentage of licensed or Purchased Program Materials: Approximately 90% of program materials will be developed as open educational resources, and the remaining 10% will be licensed or purchased.

16. Data Tags: blended learning, career pathways, certificate attainment, competency-based training, degree attainment, digital materials, employer partnership, industry-driven competencies, industry-recognized credentials, job placement, online teaching/learning, registered apprenticeships, skill assessments, stackable credentials, web-based training.

Project Abstract

- 1. Applicant Name:** Wayne County Community College District (WCCCD)
- 2. Applicant City/State:** Detroit, MI
- 3. Consortium Member:** N/A
- 4. Areas Served by Grant**
 - State:** Michigan
 - County:** Wayne
 - City:** Detroit
- 5. Total Level Requested:** \$2,499,758
- 6. Sub-total Requested:** N/A
- 7. Project Name:** Wayne County Generation Cyber (WCGC)
- 8. Project Description and List of Credentials to be Developed and Awarded:**

Wayne County Community College District (WCCCD) will implement an evidence-based cybersecurity career pathway program for TAA eligible and other dislocated and unemployed workers to meet the fast-growing demand for a cybersecurity workforce. Using the innovative strategy of *competency assessments to identify aptitudes, prior work experience, and transferable skills* of participants for careers in cybersecurity, WCCCD will offer pathways that feature core foundational IT curriculum that includes industry-recognized entry-level IT certifications which stack and lattice to multiple specialty tracks within the cybersecurity field. This design will allow participants to enter and exit along the pathway. The courses will be created using a competency-based modularized design that includes virtual game design to simulate the cybersecurity work environment. Participants will also receive career guidance and support services and meaningful interactions with employers.

Targeted credentials include: Global Information Assurance Certification (GCIA), Certified Ethical Hacker (CEH), Certified Incident Handling (GCIH), Security Essential Certification (GCIA), Certified Incident Handler (GCIH) Certified Advanced Security Practitioner (CASP), Certified Secure Software Lifecycle Professional (CSSLP), Certified Penetration Tester Engineer (CPTE), Certified Penetration Tester Consultant (CPTC), Certified Incident Handler (GCIH), Computer Security Incident Handler (CSIH), Certified Ethical Hacker (CEH), Certified Forensic Analyst (GCFA), Certified Information Systems Handler (CISA), Systems Network Auditor (GSNA) Security and CE Certified Ethical

Hacker (CEH), Security Leadership Certificate (GSLC), Certified Informational Systems Officer (CISSO), Computer Support Specialist (Comp TIA A+), Computer Network Administrator and Computer Support Specialist (CCNA), Cisco Certified Network Associate (CCNA-Security), Certified Enterprise Defender (GCED), Certified Advanced Security Practitioner (CASP)

9. Populations to be Served: TAA-eligible workers other dislocated workers and unemployed veterans

10. Target Industry: Information Technology—Cybersecurity

11. Employer Partners: GalaxE. Solutions, Verizon Enterprises, Merit Network, Inc., and Southeast Michigan Council of Governments

12. Public Workforce System Partners: Michigan Economic Development Corporation/Michigan Workforce Development Agency and Detroit Employment Solutions Corporation

13. Other Key Partners: National CyberWatch Center and Cyber Aces Foundation

14. Public Contact Information: Dr. Sherry Zylka, Provost, Office of the Chancellor, Wayne County Community College District, (313) 496-2525, szylka1@wcccd.edu

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 90% of program materials will be developed as open educational resources, and the remaining 10% will be licensed or purchased.

16. Data Tags:

- | | |
|-----------------------------------|---------------------------------|
| • Assessment Technology | • Real-time Online Interactions |
| • Career Pathways | • Self-paced Learning |
| • Certificate Attainment | • Simulations |
| • Competency-based Training | • Skill Assessments |
| • Digital Materials | • Aptitude Assessments |
| • Game Design | • Stackable Credentials |
| • Industry Driven Competencies | • Technology Enabled Learning |
| • Industry-Recognized Credentials | • Virtual Environments |
| • Modular Curriculum | • Web-based Training |
| • Online Teaching/Learning | |

Project Abstract

1. **Applicant Name:** Minnesota State Community and Technical College (M State)
2. **Applicant City/State:** Detroit Lakes, Fergus Falls, Moorhead, and Wadena, MN
3. **Consortium Member(s) and Consortium Member State(s):** N/A
4. **Areas Served by Grant (by city, county, and state):**
 - **State:** Minnesota. **Counties:** Becker, Beltrami, Cass, Clay, Clearwater, Crow Wing, Douglas, Grant, Hubbard, Lake of the Woods, Mahnomen, Morrison, Otter Tail, Pope, Stevens, Todd, Traverse, Wadena, Wilkin. **Cities:** Alexandria, Bagley, Baudette, Bemidji, Brainerd, Breckenridge, Detroit Lakes, Elbow Lake, Fergus Falls, Glenwood, Little Falls, Long Prairie, Mahnomen, Moorhead, Morris, Park Rapids, Wadena, Walker, Wheaton.
 - **State:** North Dakota. **County:** Cass. **Cities:** Fargo, West Fargo.
5. **Total Funding Level Requested:** \$2,473,227
6. **Sub-Total Requested Funding Amount by Consortium Member (if applicable):** N/A
7. **Project Name:** *CU Succeed* (Construction and Utilities)
8. **Project Description and List of Credentials to be Developed and Awarded:** The proposed *CU Succeed* program will serve 450 TAA-eligible and similar adults over three years in the West Central Minnesota Workforce Service Area. The program will provide training and certifications to individuals to obtain in-demand careers in the construction and utilities industries through the use of new mobile training units that travel to multiple sites, online workplace readiness and soft skills instruction, and workplace experiences. The following certifications will be awarded: (1) Workplace Readiness Certificate (new; required for all participants); (2) Workplace Safety/OSHA Certificate; (2) Precision Measurements and Blueprint Reading Certificate (new); and/or (3) Commercial Driver's License (CDL) Certificate. Upon successful completion, participants may continue on a related educational pathway in various construction and utilities program tracks for additional certificates,

diplomas, and/or Associate of Applied Science degrees. Workplace experiences and wrap-around supports will be provided throughout the program. Articulation agreements with Minnesota State University Moorhead will provide participants with Bachelor of Science degree options.

9. Populations to be Served: TAA-eligible workers and similarly situated adults

10. Targeted Industries: Construction and Utilities

11. Employer Partners: BTD Manufacturing, Daggett Truck Line, Inc., Dave Anderson Construction, Eid-Co Homes, Foltz Trucking, Kane Transport, KLN Family Brands, Lemke Home Improvements, Otter Tail Power Company, Tecton Products, Todd-Wadena Electric Cooperative, West Central Telephone Association.

12. Public Workforce System Partners: Rural Minnesota Concentrated Employment Programs (RMCEP) and affiliated workforce centers in Detroit Lakes, Fergus Falls, Moorhead, and Wadena, MN; Minnesota Department of Employment and Economic Development (DEED).

13. Other Key Partners: Fargo-Moorhead Home Builders Assoc., Minnesota Telecom Alliance, Tri-State Manufacturers Assoc., Initiative Foundation, West Central Initiative Foundation

14. Public Contact Information: Dr. Carrie Brimhall, Interim Chief Academic Officer, M State, (218)736-1504, carrie.brimhall@minnesota.edu.

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: 75% will be OER and 25% will be licensed or purchased.

16. Data Tags: Accelerate Progress, Accelerated Learning, Basic Skills, Career Pathways, Certificate Attainment, Competency-Based Training, Contextualized Learning, Degree Attainment, Developmental Education, Employer Partnership, Industry-Driven Competencies, Industry-Recognized Credentials, Modular Curriculum, Online Teaching/Learning, Open Educational Resources, Retention Strategies, Simulations, Skill Assessments, Stackable Credentials, Technology Enabled Learning, Virtual Environments, Web-Based Training.

ATTACHMENT A: PROJECT ABSTRACT

1. **Applicant name:** South Central College on behalf of the Minnesota Advanced Manufacturing Partnership (MNAMP)
2. **Applicant city/state:** North Mankato, Minnesota
3. **Consortium members and states:** Bemidji State University (360° Center of Excellence in Manufacturing); Century College; Dakota County Technical College; Lake Superior College; Minneapolis Community & Technical College; MN State Community & Technical College; MN West Community & Technical College; Normandale Community College; Northland Community & Technical College; Ridgewater College; Riverland Community College; South Central College; Saint Paul College; all located in Minnesota.
4. **Areas served by grant: State:** Minnesota. **Counties:** Becker, Beltrami, Blue Earth, Brown, Clay, Dakota, Dodge, Faribault, Freeborn, Goodhue, Hennepin, Jackson, Kandiyohi, Le Sueur, Martin, McLeod, Nicollet, Nobles, Pennington, Ramsey, Rice, Saint Louis, Sibley, Steele, Wadena, Waseca, Watonwan, and Yellow Medicine. **Cities:** Albert Lea, Bemidji, Bloomington, Duluth, Faribault, Granite Falls, Hutchinson, Jackson, Mankato, Minneapolis, Moorhead, North Mankato, Owatonna, Rosemount, Saint Paul, Thief River Falls, White Bear Lake, Willmar, Worthington, as well as all cities in the aforementioned counties.
5. **Total Funding Level Requested:** 14,999,982
6. **Sub-total Requested by Consortium Members:**

Consortium Member	Amount	Consortium Member	Amount
Bemidji State University (360°)	412,044	Normandale Comm College	403,465
Century College	790,770	Northland Comm & Tech College	596,917
Dakota County Tech College	887,057	Ridgewater College	1,451,782
Lake Superior College	908,423	Riverland Comm College	519,120
Minneapolis Comm & Tech College	1,028,749	Saint Paul College	1,382,954
MN State Comm & Tech College	424,351	South Central College (lead)	5,569,615
MN West Comm & Tech College	624,735		

7. **Project name:** Learn, Work, Earn
8. **Project description and list of credentials to be developed and awarded:** MNAMP's *Learn, Work, Earn* program targets TAA-eligible workers, veterans, and other adult learners seeking training to secure and/or maintain employment. The project focuses on providing career pathways in advanced manufacturing in the fields of mechatronics, machining, and welding. Participants will be able to earn stackable, portable industry-recognized credentials while simultaneously working in the industry. Participants will be able to enter academic programs at multiple points based on assessment results that match individual skills.

Career Area	MNAMP Credentials (Certs, Diplomas, Degrees, & Industry-Recognized)
Entry-level	Certified Production Technician (CPT), MSSC
Intermediate	Mechatronics: Certificates: Mechatronics, Robotics, Automation, Industrial Maintenance; Industry Certification: PMMI
	Machining: Certificates: Precision Machining, Industry Certification: NIMS
	Welding: Certificates: welding, soldering, metalworking; Industry certification: AWS
Advanced	Associate Degrees in Advanced Manufacturing Technology and Welding
Professional	Bachelor's Degree in Manufacturing Engineering Technology, Industrial Management

9. Populations to be served: TAA-eligible workers; unemployed, underemployed, and dislocated workers; veterans; incumbent workers, and other adult learners.

10. Targeted Industry: Advanced Manufacturing

11. Employer Partners: Cybex International; Automotive Service Solutions; 3M Company; EI Microcircuits; Nexen Group; Massman Automation Designs; WASP; Advanced Molding Technologies; Modernistic; Absolute Quality Mfg.; Ayrshire Electronics MN; Engineered Products Company; BTB; Sweet Harvest Foods; Altec HiLine; Hydrosolutions of Duluth; South St. Paul Steel Supply Co.; Kurt Manufacturing; Graco; Chandler Industries; AGCO; Kit Masters; Polar Semiconductor; Gamma Vacuum; Marvin Windows & Doors; Central Boiler; Pride Solutions; Midwest Industrial Tool Grinding; Viracon; Lou-Rich; & VistaTek.

12. Public Workforce System Partners: Minnesota local WIBs from Districts 1, 2, 4, 5, 6, 7, 8, 9, 10, 14, 15, and 16; American Job Centers within each WIB; Minnesota Workforce Council Association; Minnesota Department of Employment and Economic Development;

13. Other Key Partners: National Association of Manufacturers, Enterprise Minnesota, Minnesota Chamber of Commerce, Minnesota Precision Manufacturing Association, Minnesota Valley Action Council, Governors Workforce Development Council, Adult Basic Education, and Minnesota Center for Engineering and Manufacturing Excellence.

14. Public Contact Information: Dr. Annette Parker, President, South Central College; 1920 Lee Blvd, North Mankato, MN 56003; (507) 389-7207; Annette.parker@southcentral.edu

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 75% of program materials will be developed as open educational resources, and the remaining 25% will be licensed/purchased.

16. Data Tags: Accelerated Learning; Career Pathways; Certificate Attainment; Competency-Based Training Degree Attainment; Earn and Learn; Employer Partnership; Enhanced Course Articulation; Industry-Driven Competencies; Industry-Recognized Credentials; Job Placement; On-the-Job Training; Registered Apprenticeships; Retention Strategies; Skill Assessments; Stackable Credentials; Technology-Enabled Learning

MoSTEMWINs Project Abstract

1. Applicant Name: Metropolitan Community College for the MoSTEMWINs Consortium

2. Applicant City/State: Kansas City, Missouri

3. Consortium Member(s) and Consortium Member State(s):

COLLEGE	Location	COLLEGE	Location
Crowder Community College (CC)	Neosho, MO	Ozarks Technical College (OTC)	Springfield, MO
East Central College (EC)	Union, MO	St. Charles Community College (SCC)	St. Charles, MO
Jefferson College (JC)	Hillsboro, MO	St. Louis Community College (SLCC)	St. Louis, MO
Metropolitan Community Coll. (MCC)	Kansas City, MO	State Fair Community College (SF)	Sedalia, MO
Mineral Area College (MA)	Park Hills, MO	State Technical Coll. of Missouri (STCM)	Linn, MO
Moberly Area Comm. Coll. (MACC)	Moberly, MO	Three Rivers Community College (TR)	Poplar Bluff, MO
North Central Missouri Coll. (NCMC)	Trenton, MO		

4. Areas Served by Grant (by city, county, and state): State: Missouri Counties: All

5. Total Funding Level Requested:

6. Sub-Total Requested Funding Amount by Consortium Member (as applicable):

COLLEGE	Budget	COLLEGE	Budget
Crowder Community College (CC)	\$810,448	Ozarks Technical Comm. Coll. (OTC)	\$1,005,459
East Central College (EC)	\$515,717	St. Charles Community College (SCC)	\$1,066,861
Jefferson College (JC)	\$1,383,462	St. Louis Community College (SLCC)	\$1,947,591
Metropolitan Community Coll. (MCC) (lead applicant with project admin costs)	\$3,859,988	State Fair Community College (SF)	\$952,120
Mineral Area College (MA)	\$1,192,048	State Technical Coll. of Missouri (STCM)	\$536,587
Moberly Area Comm. Coll. (MACC)	\$345,995	Three Rivers Community College (TR)	\$700,854
North Central Missouri Coll. (NCMC)	\$675,374		

7. Project Name: Missouri STEM Workforce Innovation Networks (MoSTEMWINs)

8. Project Description and List of Credentials to be Developed and Awarded:

MoSTEMWINs will implement three major strategies: 1) Accelerate Entry Into Career Programs, 2) Create Clear Pathways to STEM Fields, and 3) Improve Employment Attainment. The 13 colleges will serve 1,853 participants. The credentials being created or revised include: IT-COMPTIA, Microsoft, Cisco, Cyber Security, Systems Admin & Engineering, Networking; Health Sciences – PharmTech, Ultrasound Tech, Medical Office Assistant, Certified Medical Assistant, Radiology, Certified Associate Healthcare Information and Management Systems;

Transportation – Advanced Driving and CDL; Manufacturing – MSSC-CPT, CLT, Technician and Mobile Mechanic, IFPS, Industrial Tech – Mechatronics, ETA, and AWS; Science – Chemical Technology, Environmental Sciences, Chemical Tech, and Life Sciences Lab Assistant.

9. Populations to Be Served: TAA-eligible workers, long-term unemployed, and other dislocated workers.

10. Targeted Industry(s): Information Technology, Health Sciences, Transportation, Advanced Manufacturing, Life/General Sciences

11. Employer Partner(s): Unilever, Briggs & Stratton, Cerner Corp, Tyson Foods, Crothall Healthcare, Technology Emergency Consultants, Aerofil Technology, Mondi Jackson, Spartan Metals, Modine Mfg., Donaldson Co, Chesnut Labs, SunEdison, SSM Healthcare,

12. Public Workforce System Partner(s): Missouri Workforce Investment Board and each college's regional Workforce Investment Board.

13. Other Key Partner(s): Governor Nixon, MO Dept. of Economic Development, MO Dept. of Higher Ed, Western Governor's University, St. Louis Carpenters Joint Apprenticeship

14. Public Contact Information: Nancy Russell, Exec. Dir. Metropolitan Community College Institute for Workforce Innovation, 3201 Southwest Trafficway, Kansas City, MO 64111
nancy.russell@mcckc.edu (816) 604-1326

15. Percentage of OER Program Materials Developed: Approximately 30% of program materials will be developed as open educational resources.

16. Data Tags (up to 25): Certificate Attainment, Competency-Based Training, Career Pathways, Contextualized Learning, Developmental Education, Employer Partnership, Industry-Driven Competencies, Industry-Recognized Credentials, Modular Curriculum, Paid Internships, Open Educational Resources, Skill Assessments, Stackable Credentials, Online Teaching/Learning

Project Abstract

1. Application Name: East Central Community College (ECCC)
2. Applicant City/State: Decatur, Mississippi
3. NA
4. Areas Served by Grant: State: Mississippi; County: Winston (region to be served)
5. Total Funding Level Requested: \$2,499,950
6. NA
7. Project Name: Winston County Manufacturing Recovery Project
8. Project Description and List of Credentials to be Developed and Awarded:

For the benefit of TAA-eligible, unemployed, and displaced workers, Veterans, and other adults, particularly those displaced by the devastating tornado that hit Winston County in April 2014, the project will: 1) create the Winston County Manufacturing Sector Leadership Team composed of local manufacturers, a regional industry representative, and workforce partners to guide program development, develop work-based learning and internship programs, and help provide employment for program completers; 2) build capacity in Winston County for ECCC to provide contextualized remediation, an industry-recognized manufacturing non-credit training program, and a modularized Electrical Technology CTE program; 3) utilize hybrid and technology-enabled systems to deliver training and education, and support remediation and competency-based program completions; 4) build career pathways from non-credit to university that uses prior learning assessments and articulation agreements; 5) lattice and stack industry-recognized credentials in project programs based on industry input; 6) enhance instructors use of advanced technology, and 7) provide entrepreneur training and manufacturing incubation support for participants wishing to start businesses. Credentials to be developed and awarded include: Career Readiness Certificate, Manufacturing Skills-Basic Certificate (non-credit and credit), OSHA 10-hour Certificate; CPR Certificate; NCCER Core, NCCER Electrical

- Level 1, NCCER Electrical Level 2, ECCC 30-hour, 45-hour, and 60-hour Electrical Technology Certificates.
9. Populations to be Served: TAA eligible workers, Veterans, unemployed individuals, tornado displaced workers, and other adults in the target community of Winston County, MS.
 10. Targeted Industries: Modern Manufacturing Industries (two digit NAICS codes 32 and 33)
 11. Employer Partners: Taylor Machine Works (NAICS 333924), Winston Plywood and Veneer LLC (NAICS 321212).
 12. Public Workforce System Partners: Mississippi Partnership Workforce Investment Board, Mississippi Department of Employment Security and its local WIN Job Center, and the National Strategic Planning and Analysis Research Center (nSPARC) at Mississippi State University.
 13. Other Key Partners: Mississippi Manufacturing Association (regional industry representative); Winston County Economic Development District Partnership; Winston County Business and Industry Incubator; The Montgomery Institute, East Mississippi Community College (Round 3 TAACCCT grantee), the Mississippi Corridor Consortium (Round 1 TAACCCT grantee), Mississippi Community College Board.
 14. Public Contact Information: Dr. Teresa Houston, Vice President for Instruction, East Central Community College, PO Box 129, Decatur, MS 39327-0129
 15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: 81% OER, 19% licensed or purchased.
 16. Data Tags: Accelerated Learning, Basic Skills, Career Pathways, Certificate Attainment, Contextualized Learning, Degree Attainment, Employer Partnerships, Enhanced Articulation, Enhanced Student Services, Entrepreneurship, Industry-Driven Competencies, Industry-Recognized Credentials, Job Placement, Modern Manufacturing, Modular Curriculum, Online Teaching/Learning, On-the-Job Training, Paid Internships, Personalized Instruction, Self-paced Learning, Simulations, Skill Assessments, Stackable Credentials, Technology Enabled Learning, Work-based Learning.

Montana HealthCARE Abstract

1. **Applicant Name:** Missoula College-University of Montana
2. **Applicant City/State:** Missoula, Montana
3. **Consortium Member(s) and Consortium Member State(s):**
Bitterroot College UM, Hamilton, MT; Blackfeet Community College, Browning, MT; City College at MSU-Billings, Billings, MT; Chief Dull Knife College, Lame Deer, MT; Flathead Valley Community College, Kalispell, MT; Gallatin College-MSU, Bozeman, MT; Great Falls College-MSU, Great Falls, MT; Helena College-UM, Helena, MT; Miles Community College, Miles City, MT; Missoula College UM, Missoula, MT; Highlands College of Montana Tech, Butte, MT; University of Montana-Western, Dillon, MT; Montana State University-Northern, Havre, MT; Salish Kootenai College, Pablo, MT; Stone Child College, Box Elder, MT
4. **Areas Served by Grant (by city, county, and state):** State of Montana, All Counties, All Cities
5. **Total Funding Level Requested:** \$14,998,597
6. **Sub-Total Requested Funding Amount by Consortium Member (if applicable):**
Bitterroot: \$158,789; Blackfeet: \$637,940; City: \$637,940; Chief Dull Knife: \$158,789; Flathead: \$637,940; Gallatin: \$158,789; Great Falls: \$637,940; Helena: \$637,940; Miles: \$637,940; Missoula: \$7,934,206; Highlands: \$637,940; Western: \$145,132; Northern: \$637,940; Salish Kootenai: \$386,882; Stone Child: \$158,789.
7. **Project Name:** Montana HealthCARE
8. **Project Description and List of Credentials to be Developed and Awarded:** Credentials to be awarded: Nursing pathway (Certified Nursing Assistant; Licensed Practical Nurse: Associate Degree Registered Nurse, bridge to BSN); Allied Health Certificates (Medical Assistant, Dental



**MONTANA
HealthCARE**
Creating Access to Rural Education

Assistant, Emergency Medical Technician, Pharmacy Technician); Allied Health Degrees (Dental Hygienist, Health Information Technician). Project description: Strategies to address the gap between the state's educational capacity and healthcare employers' demands are: (1) Create statewide **healthcare pathways** characterized by stacked and latticed credentials and contextualized curricula; (2) Address Montana's **nursing** shortages by providing accelerated pathways to credential completion; (3) Increase **success for students** by providing services that better prepare adult learners for college; accelerate credential completion; coach students in pathway navigation; and provide access to distance education; and (4) **Engage the healthcare industry, education, workforce programs** and other stakeholders in healthcare workforce transformation; OJT and apprenticeship opportunities; rapid response cycle regional planning; and data driven approaches. This work will be **supplemented** by development of Core Curricula for administrative and clinical healthcare career pathways.

9. **Populations to be Served**: TAA-eligible workers, long-term unemployed, veterans, adults
10. **Targeted Industry(s)**: Healthcare
11. **Employer Partner(s)**: Welcov Healthcare (statewide); Billings Clinic (Billings)
12. **Public Workforce System Partner(s)**: Montana Department of Labor and Industry
13. **Other Key Partner(s)**: Montana Hospital Association; Montana Center for Advancement of Nursing; Montana Office of Rural Health and the Area Health Education
14. **Public Contact Information**: John Cech, Deputy Commissioner of Higher Education, 2500 Broadway, Helena, MT 59620-3201; (406) 444-0316; jcech@montana.edu
15. **Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials**: 100% of program materials will be developed as open educational resources.
16. **Data Tags**: accelerated learning, competency based training, stackable credentials, apprenticeships, career pathways, enhanced student services.

Project Abstract

- 1. Applicant Name:** Central Piedmont Community College
- 2. Applicant City/State:** Charlotte, NC
- 3. Consortium Member(s) and Consortium Member State(s):** Not Applicable
- 4. Areas Served by Grant:**
 - **State:** North Carolina; **Counties:** Alexander, Anson, Cabarrus, Catawba, Cleveland, Gaston, Iredell, Lincoln, Mecklenburg, Rowan, Stanly, Union; **Cities:** Charlotte, Concord, Cornelius, Gastonia, Hickory, Huntersville, Kannapolis, Monroe, Salisbury, Statesville
 - **State:** South Carolina; **Counties:** Chester, Chesterfield, Lancaster, York; **Cities:** Fort Mill, Lancaster, Rock Hill
- 5. Total Funding Level Requested:** \$2,499,378
- 6. Sub-Total Requested Funding Amount by Consortium Member (if applicable):** Not Applicable
- 7. Project Name:** Mechatronics Re-Envisioned
- 8. Project Description and List of Credentials to be Developed and Awarded:** Central Piedmont Community College's (CPCC) Mechatronics Re-Envisioned will create the next generation, competency-based training model that will deliver more, highly qualified technicians to the Charlotte region's growing Energy sector and its Advanced Manufacturing industry supply chain. In 2008, CPCC was approached by regional Energy and Manufacturing industry partners to introduce Mechatronics training in North Carolina to meet the growing demand for cross-trained technicians capable of troubleshooting and maintaining automated machinery in high-tech production environments. Responding to industry demands, CPCC completed the Mechatronics curriculum that was approved by the State in 2010. As technology continues to revolutionize both the industrial workplace and the traditional classroom for the Mechatronics technician, the curriculum is in need of modernization. CPCC will re-envision the Mechatronics degree to better define the competencies embedded in "What We Teach" and to innovate "How We Teach" in both the classroom and labs and increase the accessibility of the Mechatronics Engineering Technology AAS degree program and new "Fast Track" Industrial Maintenance certificate program to TAA-eligible workers, veterans, and other non-traditional

students. In addition to competency based instruction, the project will incorporate technology-enabled and enhanced learning, comprehensive student support services, and structured programs of study. Students who enroll in the Mechatronics program will have the opportunity to earn nationally recognized credentials such as the NCCER, PMMI Mechatronics, and the SMSCP Siemens Level I and II Mechatronics certifications. Mechatronics Re-Envisioned will also incorporate Festo Mechatronics credentialing as a third-party credentialing option that is nationally recognized and meaningful to employers and manufacturers that support the Energy sector.

- 9. Populations to be Served:** TAA-eligible workers, veterans, unemployed workers and transitioning workers
- 10. Targeted Industry:** Energy
- 11. Employer Partners:** Siemens Energy, Bosch Rexroth
- 12. Public Workforce System Partners:** NC Department of Commerce, Charlotte Works, Centralina Workforce Development Board
- 13. Other Key Partners:** National Association of Manufacturers, Jobs For the Future, Centralina Council of Governments, Center for Energy Training
- 14. Public Contact Information:** Michael Horn, Associate Vice President, Government Relations and Grants, Central Piedmont Community College, P.O. Box 35009, Charlotte, NC 28235, (704) 330-5963, Michael.Horn@cpcc.edu
- 15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials:** 100% of program materials will be developed as open educational resources.
- 16. Data Tags:** Accelerated Learning, Career Pathways, Certificate Attainment, Competency-based Training, Digital Materials, Enhanced Student Services, Industry-Driven Competencies, Industry-Recognized Credentials, Modular Curriculum, Personalized Instruction, Retention Strategies, Self-paced Learning, Stackable Credentials

Abstract

1. Applicant Name: Bismarck State College, Lead Institution for TREND Consortium
2. Applicant City/State: Bismarck, North Dakota
3. Consortium members: North Dakota Single State - Sitting Bull College (SBC), Turtle Mountain Community College (TMCC), and Williston State College (WSC).
4. Areas served by the Grant (State, Counties, Cities): North Dakota; Burleigh, Sioux, Rolette, Williams; Bismarck, Fort Yates, Belcourt, Williston; all other ND Counties; and all other States served by online programs.
5. Funding Level Requested: \$9,926,410
6. Sub-total: BSC: \$4,136,052; SBC: \$1,692,539; TMCC: \$2,117,101; WSC: \$1,980,718
7. Project Name: Training for Regional Energy in North Dakota (TREND), Phase II
8. Project Description and List of Credentials to be Developed and Awarded. TREND will train participants in four sectors with delivery models that articulate and map education and career pathways, provide stackable credentials and a framework of best practices for each program area, including outreach materials as follows:

• Provide stackable credentials, where possible, for seamless entry and exit into employment while reinforcing self-exploration and career exploration through Individual Career and Academic Plans (ICAPs).
• Provide training and professional development for faculty, career navigators, and data collection staff.
• Expand BSC Electrical Power Generation, Renewable Energy Generation, Geographic Information Systems and Water and Wastewater programs, including online simulations and lab equipment.
• Enhance Petroleum Production Technology, Instrumentation and Control, Mechanical Maintenance, Process Plant Technology and Lineworker programs, including additional lab and other equipment at BSC.
• Develop new Soil and Mineral Management and Electrical Technician certificate options as part of the Petroleum Production program, and expand Business Services curriculum at WSC.
• Research the feasibility of an online Lineworker Apprenticeship program at BSC.
• Develop additional Welding certifications, including TIG, Pipe, and auto-process welding as well as provide additional flexible program options at WSC, SBC, and TMCC.
• Expand and enhance the Building and Construction Trades Technology Program at TMCC and SBC to prepare students to work in the construction industry using NCCER standards.
• Expand the Commercial Driving License (CDL) programs at BSC (through Lineworker Technology Program), SBC, and TMCC to provide more flexible delivery options, upgraded equipment, and simulations to prepare students for jobs in the oil industry and other sectors. TMCC will also add a new Highway Construction certificate program.

9. Populations to be served within the communities identified. TAA-eligible workers, Native Americans, veterans, and other adult workers
10. Targeted Industries: Energy (Oil & Gas, Utility); Transportation; Construction
11. Employer Partners: **Energy-Oil & Gas:** North Dakota Petroleum Council, Murex Petroleum Corporation, Tesoro, WBI Energy, Inc., Bakken Safety Training. **Utility:** Basin Electric Power Cooperative, Montana Dakota Utilities. **Building and Construction Trades:** North Central Farmers Elevator, Turtle Mountain Housing; **Transportation:** Tractor and Equipment Co., Interstate Power Systems, Turtle Mountain Transportation.
12. Public Workforce System Partners: Job Service North Dakota; Tribal Employment Rights Offices (TERO) at Standing Rock Sioux Tribe and Turtle Mountain Band of Chippewa.
13. Other Key Partners: North Dakota Petroleum Council, North Dakota Department of Commerce Office of Workforce Development, and Colorado Online Energy Training Consortium (COETC) funded Round One, TAACCCT Grantee
14. Public Contact Information: Kari Knudson, Vice President, National Energy Center of Excellence, Bismarck State College, Kari.L.Knudson@bismarckstate.edu, 701-224-5604
15. Percentage of Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Two new program curriculum: 60% OER; 40% licensed/purchased. Enhancements to Welding and Building and Trades programs: 100% OER. All other expansions and enhancements: 70% OER; 30% licensed/purchased.
16. Data Tags:

Accelerated Learning	Job Placement	Simulations
Achievement Rates	Energy Related Industries	Web-Based Training
Block Scheduling	Industry-Driven Competencies	Stackable Credentials
Career Pathways	Online Energy Training	Modular Curriculum
Certificate Attainment	Prior Learning Assessment	Blended Learning
Degree Attainment	Retention Strategies	Mentoring

Project Abstract
Nebraska Precision Agriculture Center of Excellence (N-PACE)
A proposal by Central Community College

1. Applicant Name: Central Community College

2. Applicant City/State: Grand Island, NE

3. Consortium Member(s) and Consortium Member State(s): N/A

4. Areas Served by Grant: **State:** Nebraska. **Counties:** Adams, Boone, Buffalo, Butler, Clay, Colfax, Dawson, Franklin, Furnas, Gosper, Greeley, Hall, Hamilton, Harlan, Howard, Kearney, Merrick, Nance, Nuckolls, Phelps, Platte, Polk, Sherman, Valley, and Webster Counties. **Cities:** Columbus, Grand Island, Hastings, Kearney, Ord, Holdrege, Lexington

5. Total Funding Level Requested: \$2,499,779

6. Sub-Total Requested Funding Amount by Consortium Member: N/A

7. Project Name: Nebraska Precision Agriculture Center of Excellence (N-PACE)

8. Project Description and List of Credentials to be Developed and Awarded:

N-PACE will design a blended delivery Precision Agriculture Technician degree program of stacked and latticed credentials, mapped to industry skills certifications to better align with industry needs and ensure students will earn portable credentials. N-PACE will provide valuable skills training in high-demand high-wage emerging occupations. The blended delivery approach will allow the curriculum to be delivered both real-time and asynchronously. N-PACE will also develop and deliver short-term customized training to meet the needs of employers and agriculture producers to upgrade their skills and knowledge of precision agriculture and stay abreast of the quickly changing technology. The curriculum will be adapted from existing open educational resources to the greatest extent possible, primarily from previously funded TAACCCT grant projects, and required academic and general education courses will be contextualized with examples and learning objects from agriculture. Career focused curriculum will be enhanced with technology-enabled learning, such as 3D/4D simulations and game design. Simulations will be used extensively throughout the curriculum as learning tools and for simulation-based performance testing.

The program will be designed to support the unique needs of TAA-eligible and other adult workers and improve retention and completion rates. Enhanced coaching will focus on reducing any barrier to academic success, including in-school and out-of-school issues such as work-life balance, personal finances, and family issues, with at least four coach/participant interactions per month. Upon acceptance, knowledge, skills, abilities and other characteristics assessments will be provided to help the participants make informed training and career decisions and providing a tool for the coaches in mentoring the participants. Remedial education will be provided, when indicated, in an accelerated format, using Academic Skill Builder Workshops, a promising practice from a previous TAACCCT grant project. Success coaches will assist students in accessing support services, as needed, offered by the college, workforce development and other community-based organizations.

N-PACE will be a highly collaborative project, strategically aligned with a wide range of stakeholders. Three industry employers will play an active role in project leadership and have a high level of commitment to assist the project in designing the curriculum and aligning it to industry certifications, providing internships to program participants and interviewing and hiring qualified participants. In addition, the industry employers will support education and training by providing access to precision equipment and software, helping to make the program more cost efficient and ensuring students have access to the most current technology available. Workforce development will also be engaged at all levels. Representatives from the TAA for Workers Program, Nebraska Department of Labor and the local American Job Centers will be asked to serve on the N-PACE advisory board and workforce eligible participants will be co-enrolled.

Initial visits and conversations with previously funded TAACCCT projects have already yielded many benefits in program design planning and collaborations will continue upon award. Both Lake Region State College (ND) and Southeast Community College (NE) have agreed to share curriculum, best practices and contribute to an online repository of precision agriculture learning objects library. Both colleges will work with N-PACE to host two Precision Agriculture Education Summits designed to improve precision agriculture education nationwide. N-PACE will work with Lake Region and Southeast, specifically, and other precision agriculture programs to articulate precision agriculture courses, improving transferability. The project will also work to develop articulation agreements with at least two 4-year institutions.

List of Credentials to be Developed and Awarded:

- | | |
|---|--|
| 1) Industry Certifications | 2) Diploma (32 semester hours of credit) |
| 3) Associate Degree (64 semester hours of credit) | 4) Super-Certificates |

9. Populations to be Served: TAA-eligible workers, unemployed, and underemployed adult workers.

10. Targeted Industry(s): Agriculture.

11. Employer Partner(s): Aurora Cooperative; Titan Machinery; Greenline Equipment; Hansen Agri-Placement

12. Public Workforce System Partner(s): Greater Nebraska Workforce Investment Board; Nebraska Department of Labor TAA Program Office; One Stop Career Center/American Job Center Career Center

13. Other Key Partner(s): Round 2 TAACCCT Grantee – Lake Region State College, Devil's Lake, North Dakota; Round 3 TAACCCT Grantee – Southeast Community College, Lincoln, Nebraska

14. Public Contact Information: Dr. Gregory P. Smith, College President, Grand Island, NE
Central Community College, (308) 398-7300, gpsmith@cccneb.edu

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 80% OER, and 20% will be licensed or purchased.

16. Data Tags: accelerated progress, accelerated learning, blended learning, career pathways, competency based training, certificate attainment, contextualized learning, degree attainment, developmental education, employer partnership, game design, industry-recognized credentials, learning communities, modular curriculum, online teaching/learning, open educational resources, paid internships, retention strategies, simulations, skill assessments, stackable credentials, technology enabled learning

Metropolitan Community College – Omaha, Nebraska
Single Institution Applicant - TAACCCT Round 4 – SGA/DFA PY-13-10

PROJECT ABSTRACT

- (1) Applicant Name:** Metropolitan Community College (MCC)
- (2) Applicant City/State:** Omaha, Nebraska
- (3) Consortium Member(s) and Consortium Member State(s):** N/A
- (4) Areas Served by Grant: State:** Nebraska. **Counties:** MCC's 4-county service area includes: Dodge, Douglas, Sarpy, and Washington. **Cities:** All inclusive
- (5) Total Funding Level Requested:** \$2,491,960
- (6) Sub-Total Requested Funding Amount by Consortium Member:** N/A
- (7) Project Name:** Project Proto (Providing Realistic On-ramps to Technology Occupations)
- (8) Project Description and List of Credentials to be Developed and Awarded:** Project Proto is designed to provide TAA-eligible workers with an accessible, experiential entry into an IT career pathway (within MCC's state-of-the-art Fabrication Lab) that leads participants into existing and emerging high-demand IT and IT-enabled occupations. **Credentials to be Developed:** Portable Work Readiness Certificate; Fast Track IT Certificate; and Industrial IT Specializations: Prototype Design & Production, Robotics, and Smart Objects. **Existing Credentials to be Awarded:** IT Career Certificate; IT Certificate of Achievement; IT Specialist Associate's Degree; and Commercial IT Specializations: Business Analytics, Security, Programming, Web Development, Support Specialist, Office Professional. **Latticed Credentials in IT-Enabled, Existing Pathways:** Computer-Aided Manufacturing, Precision Machine Technology, Logistics, Welding, and Web Multimedia Production.
- (9) Populations to be Served:** TAA-impacted workers, unemployed, long-term unemployed, incumbent and other eligible adults, including those traditionally underrepresented in IT occupations (women, minorities), and veterans.

Metropolitan Community College – Omaha, Nebraska
Single Institution Applicant - TAACCCT Round 4 – SGA/DFA PY-13-10

PROJECT ABSTRACT

- (10) **Targeted Industry:** Information Technology – Industrial IT and Commercial IT occupations, as well as industries enabled by IT skills, such as Advanced Manufacturing, Transportation Distribution, and Logistics, Healthcare, Finance, and Government.
- (11) **Employer Partners:** Alvine Engineering, Kiewit Corporation, Omaha Public Power District, White Lotus, Trane, TACKarchitects, and Greater Omaha Chamber of Commerce.
- (12) **Public Workforce System Partners:** Heartland Workforce Solutions – American Job Center (Local WIB); Nebraska Department of Labor (State Office)
- (13) **Other Key Partners:** Goodwill Industries Career One-Stop, Previous TAACCCT grant recipients – Iowa Western Community College (IA), Sinclair Community College (OH), Midwest Center for Information Technology (MCIT) community college consortium funded by the National Science Foundation.
- (14) **Public Contact Information:** Dr. Tom Pensabene, Executive Director Workforce Innovation Division & Dean of Information Technology and E-Learning, tpensabene@mccneb.edu, (402) 457-2676
- (15) **Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials:** 85% of materials will be accessed as Open Education Resources or developed as Open Education Resources.
- (16) **Data Tags:** Information Technology, Contextualized Learning, Internships, Earn and Learn, Employer Partnership, Career Pathways, Industry-Recognized Credentials, Industry-Driven Competencies, Stackable Credentials, Technology Enabled Learning, Open Education Resources, Scenario-Based Learning, Workplace Readiness, Basic Skills, Skill Assessments, Retention Strategies, Mentoring, Career Navigators

TAACCCT IV Abstract

(1) Applicant name: NHTI - Concord's Community College

(2) Applicant City/State: Concord, NH

(4) Areas Served by Grant (by city, county, and state): State: NH; County: All; Cities: All

(5) Total Funding Level Requested: \$2,500,000

(7) Project Name: Get IT! Growing the Economy through Information Technology

(8) Project Description and List of Credentials to be developed and Awarded: The Get IT! project is a statewide project to develop, improve, and expand adult educational training pathways to careers in multiple industries that require certified information technology skills and knowledge. In addition to three existing associate degree programs and three existing certificate programs, five new certificate programs (Voice Over IP; Linux; Microsoft Operating System; Networking; Hardware/Software) and six yet-to-be determined certificate and/or degree programs will be developed and offered. These new certificate and degree programs will be developed in such a way that learning objects can be utilized in a variety of course delivery models including accelerated, online, hybrid/low residency, competency-based and face-to-face. NHTI will work with its six sister colleges within the Community College System of New Hampshire to create a Common Core IT Curriculum from which they can develop their own stacked and/or latticed academic and career pathways. A comprehensive career counseling and advising model will be developed and implemented.

(9) Population to be Served: TAA-eligible workers, Veterans, adult learners, unemployed and underemployed

(10) Target Industry(s): Sector 54. Professional, Scientific, and Technical Services

(11) Employer Partner(s): Disco Pixel; DSCI; Hybrid Minds; Little Worlds; Owlchemy; Red

River; Retro Affect; Robot Loves Kitty; RTM; Single Digits; Vermont Digital Arts; Zapdot

(12) Public Workforce System Partner(s): NH Governor's Office; NH Office of Workforce Opportunity (OWO); NH Department of Resources and Economic Development (DRED); NH Employment Security (NHES); NH Department of Labor (NHDOL); NH Department of Education (NHDOE); NH High Tech Council (HTC)

(13) Other Key Partner(s): Southern New Hampshire University; Moraine Valley Community College

(14) Public Contact Information: Pamela M. Langley, LP.D., Vice President of Academic Affairs, NHTI, 31 College Drive, Concord, NH 03301, 603-230-4020, plangley@ccsnh.edu

(15) Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 75% of program materials will be developed as open educational resources, and the remaining 25% will be licensed or purchased.

(16) Data Tags: Accelerate Progress; Accelerated Learning; Assessment; Career Pathways; Certificate Attainment; Competency-based Training; Degree Attainment; Digital Materials; Employer Partnership; Enhanced Course Articulation; Enhanced Student Services; Game Design; Industry-Driven Competencies; Industry-Recognized Credentials; Job Placement; On-the-Job Training; Online; Open Educational Resources; Registered Apprenticeships; SCORM; Skill Assessments; Stackable Credentials; Web-based Training

PROJECT ABSTRACT

1. Applicant Name: Bergen Community College

2. Applicant City/State: Paramus, New Jersey

3. Consortium Member(s) and Consortium Member State(s): Bergen Community College, Brookdale Community College, County College of Morris, Essex County College, Hudson County Community College, Mercer Community College, Middlesex County College, Ocean County College, Passaic County Community College, Raritan Valley Community College, Sussex County Community College, Union County College, all in State of New Jersey

4. Areas Served by Grant (by city, county, and state): State: New Jersey. Counties: Bergen, Essex, Hudson, Hunterdon, Mercer, Middlesex, Monmouth, Morris, Ocean, Passaic, Somerset, Sussex, Union. All cities and municipalities in counties served.

5. Total Funding Level Requested: \$15,000,000.

6. Sub-Total Requested Funding Amount by Consortium Member: Bergen Community College, \$6,101,147; Brookdale Community College, \$820,400; County College of Morris, \$774,488; Essex County College, \$819,100; Hudson County Community College, \$822,910; Mercer Community College, \$732,777; Middlesex County College, \$825,000; Ocean County College, 824,450; Passaic County Community College, \$836,144; Raritan Valley Community College, \$817,163; Sussex County Community College, \$822,048; Union County College, \$804,372.

7. Project Name: New Jersey Health Professions Pathways to Regional Excellence Project (NJ-PREP)

8. Project Description and List of Credentials to be Developed and Awarded: NJ-PREP is a partnership whose foundation was established under previous federal funding and includes 12 community colleges, over 20 employers, 10 local WIBs, who have come together in New Jersey to create and build a blueprint for a regional healthcare career pathways system that coordinates and aligns strategic partnerships, resources, funding, policies, data and accountability measures and that ultimately, ensures that TAA-impacted, veterans, unemployed, and other low-skilled workers successfully access and complete health profession programs to gain family sustaining wage jobs in the healthcare sector. The proposed project will serve more than 2,000 participants. Credentials include: National Council of State Boards NCLEX for Practical Nursing Licensure; National Registry of Emergency Technicians (NREMT); Certified

Home Health Aide (CHHA); Certified Nurse Assistant (CNA); Mental Health Associate Certificate Program; Medication Aide, New Jersey Board of Nursing; National Certified Patient Care Technician (NCPCT); Registered Medical Assistant (RMA); Certified Pharmacy Technician; Massage Therapist, state license; Certified Medical Administrative Assistant; Certified Phlebotomy Technician, National Health Association; Certified EKG Technician; Certified Billing and Coding Specialist; Holistic Health and Wellness certificate; American Health Information Management Association

9. Populations to be Served: TAA-eligible workers, long-term unemployed, veterans, and underemployed

10. Targeted Industry(s): Health Professions

11. Employer Partner(s): CVS Caremark Work Initiatives, Bayada Home Health Care, Barnabas Health

Clara Maass Medical Center, Loving Care Agency, Inc., Exam One, Hunterdon Health Care, Hunterdon

Regional Community Health, Robert Wood Johnson University Hospital, Concentra, The Atlantic Club,

Cherry Hill OB/GYN, St. Joseph's Health Care System, Trinitas Regional Medical Center, The Wright

Choice, Professional Medical Staffing, Arista Care Health Services, Gates Manor, Meridian Health

12. Public Workforce System Partner(s): New Jersey Department of Labor and Workforce Development;

NJ State Employment and Training Commission Workforce Investment Board and One-Stop Career

Centers of thirteen New Jersey Counties

13. Other Key Partner(s): Commerce and Industry Association of New Jersey; Round 3 TAACCCT

Grantees Passaic County Community College, Round 2 grantee Camden County Community College;

Community Affairs and Resource Center, Asbury Park, NJ; New Jersey Hospital Association, Princeton, NJ

14. Public Contact Information: B. Kaye Walter, Ph.D., President, Bergen Community College, 400

Paramus Road, Paramus, NJ 07652-1595; kwalter@bergen.edu; (201) 447-7235.

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased

Program Materials: 80% open educational resources; 20% will be licensed or purchased.

16. Data Tags: accelerated learning, certificate and degree attainment, job placement, on-the-job training,

open educational resources, stackable credentials, career ladders and lattices, web-based training.

Project Abstract

Applicant Name: Santa Fe Community College (Lead)

Application City/State: Santa Fe, NM

Consortium Members and Funding Amount for Each: The project total is \$14,999,863. The lead institution, Santa Fe Community College, will receive \$5,682,378. Consortium members as sub-recipients: Central New Mexico Community College, \$1,983,779; San Juan College, \$1,366,921.00; Eastern New Mexico University Branch Campus', Roswell, \$1,145,445; Ruidoso, \$576,767; New Mexico State University, Alamogordo, \$807,012.00; University of New Mexico Branch Campus' - Taos, \$688,983.00; Valencia, \$788,029.00; Los Alamos, \$579,961.00; Gallup, \$866,967.00, Mesalands Community College, \$553,623.00.

Areas Served by Grant: Santa Fe, Bernalillo, San Juan, Valencia, Chaves, Lincoln, Otero, Taos, Los Alamos, McKinley, and Quay counties; and the cities of: Santa Fe, Albuquerque, Farmington, Los Lunas, Roswell, Ruidoso, Alamogordo, Taos, Los Alamos, Gallup, and Tucumcari.

Project Name: New Mexico Skill UP Network: Pathways Acceleration in Technology and Healthcare (SUN PATH).

Project Description: SUN PATH will (1) expand and improve the delivery of healthcare career pathways; (2) increase attainment of degrees, certifications, and industry recognized credentials; (3) align education and workforce systems resulting in improved employment outcomes. The project will build on activities developed in the TAACCCT round 1 funded Skill UP Network (SUN) by expanding I-BEST, utilizing the online course sharing network, implementing credit for prior learning policies and procedures, and expanding on the IT curriculum. Additional strategies include implementing industry recognized credentials that are stacked and latticed,

enhancing technology enabled learning, delivery of modularized curriculum competency based assessments, career guidance support aligned with the public workforce system, and enhancing data and accountability systems.

List of Credentials to be Developed and Awarded: Certified Community Health Care Workers (CCHCW), Certified Medical Assistant (CMA), Certified Nursing Assistant (CNA), CompTIA Healthcare IT Technician, National Council Licensure Examination for Registered Nurses (NCLEX-RN), Registered Health Information Technician (RHIT®).

Populations to be served: TAA-affected workers, veterans, low-skilled adults.

Targeted industry(s): Allied Health, Health Information Technology (HIT), and Emergency Medical Services (EMS).

Industry Partners: 23 employer partners, 17 industry representatives, including Presbyterian Healthcare Services, Deep Dive Coders, Encompass Home Health, Lovelace Hospital, Cristus St Vincent Regional Medical Center, Holy Cross Hospital, New Mexico Direct Caregivers.

Public Workforce Partners: Department of Workforce Solutions: Central, Eastern, and Northern Regional Workforce Investment Boards.

Public Contact Information: Ann Black, Director, Grants & Contract Training, Santa Fe Community College, 6401 Richards Avenue, Santa Fe, NM 87508, ann.black@sfcc.edu.

OER Program Materials Developed vs. Licensed: OER - 90%, licensed or purchased -10%.

Data Tags: Basic Skills Training, Career Pathways, Competency-based Training, Contextualized Learning, Employer Partnership, Industry-Recognized Credentials, Job Coaching, Modularized Curriculum, Simulation Training, Skills Assessments, Stackable Credentials, Technology Enabled Learning, Online Courses, Prior Learning Assessment, Health IT, Health Informatics, Healthcare Careers.

Project Abstract

- 1. Applicant Name:** Western Nevada College
- 2. Applicant City/State:** Carson City, Nevada
- 3. Consortium Members and Consortium Members State:** College of Southern Nevada; North Las Vegas, NV, Truckee Meadows Community College; Reno, NV, Great Basin College; Elko, NV
- 4. Areas Served by Grant (by city, county, and state):** **State:** Nevada. **Counties:** Carson, Churchill, Clark, Douglas, Elko, Esmeralda, Eureka, Humboldt, Lander, Lincoln, Lyon, Mineral, Nye, Pershing, Storey, Washoe, White Pine **Cities:** All Nevada Cities
- 5. Total Funding Level Requested:** \$9,921,831
- 6. Sub-Total Requested Funding Amount by Consortium Member (if applicable):** Western Nevada College: \$4,406,143; College of Southern Nevada: \$1,746,49; Truckee Meadows Community College: \$1,748,643; Great Basin College: \$2,020,553
- 7. Project Name:** Nevada Community College Consortium
- 8. Project Description and List of Credentials to be Developed and Awarded:** The NCCC will meet the workforce needs of NV, and serve 988 TAA-eligible displaced workers throughout the State, with special emphasis on veterans and active duty military personnel.

The educational and training programs (and their associated credentials) offered are:

Machine Tool/CNC	Nat'l Career Readiness (NCRC); OSHA; NIMS: Measurement, Materials, & Safety; NIMS: Job Planning, Bench work, & Layout; NIMS: CNC Lathe Operations; NIMS: CNC Mill Operations; NIMS: CNC Lathe Set-Up & Programming; NIMS: CNC Mill Set-Up & Programming Certificate of Achievement (CA)
Welding Technology	NCRC; OSHA; AWS Industry Certification (GMAW, FCAW); CA; Associate of Applied Science (AAS)
Diesel Technology	NCRC; OSHA; Skills Certificates (NEW); CA
Business Admin.	Associate of Business; AAS; AAS-Human Resource Emphasis; AAS-International Business Mgmt. Emphasis; AAS-Small Business Mgmt. Emphasis
Information	CISCO Certified Network Associate; CISCO Certified Network Professional;

SGA/DFA PY-13-10

CFDA: 17.282

Department of Labor Employment and Training Administration

Trade Adjustment Assistance Community College and Career Training Grants Program - 4

Project Abstract

Technology	Comp TIA A+; Comp TIA Network Project+; Comp TIA Security+; Microsoft Office Specialist; Microsoft Certified IT Professional
Healthcare	Nursing Assistant Certification; CA-Practical Nursing; Eligibility to apply for Nat'l Licensure Exam-Practical Nurse to become Licensed Practical Nurse (LPN)

9. Populations Served: Veterans, active military, TAA-eligible workers, returning adult students

10. Targeted Industries: Machine Tool/CNC; Welding Technology; Diesel Technology;

Business; Information Technology and Healthcare

11. Employer Partners: Micromanipulator; NV Heat Treating; Click Bond; SIMLV, Northern

NV Operating Engineers; Desert View Hospital; Golden Valley Medical Center; Humboldt

General Hospital; JOIN; Pahrump Health and Rehabilitation Center.

12. Public Workforce System Partners: Governor's Office of Economic Development; Nevada

Department of Employment, Training and Rehabilitation; Nevadaworks (No. NV WIB);

Workforce Connections (So. NV WIB); Nevada JobConnect

13. Other Key Partners: American Council on Education; the Green Zone Veterans Initiative

14. Public Contact Information: Dr. Robert Wynegar; Vice President, Academic and Student

Affairs; Western Nevada College; (775) 445-4431, ext. 4416; Robert.wynegar@wnc.edu

15. % of OER Program Materials Developed vs. Percentage Licensed/Purchased:

Approximately 80% of program materials OER. 20% will be licensed or purchased.

16. Data Tags (up to 25, see table below): Accelerate Progress; Accelerated Learning;

Assessment Technology; Block Scheduling; Career Pathways; Certificate Attainment;

Contextualized Learning; Degree Attainment; Digital Materials; Employer Partnership;

Enhanced Course Articulation; Enhanced Student Services; Industry-Driven Competencies;

Industry-Recognized Credentials; Job Placement; Modular Curriculum; Online

Teaching/Learning; Open Educational Resources; Paid Internships; Retention Strategies;

Skill Assessments; Stackable Credentials; Technology Enabled Learning; Veterans Services

Abstract

(1) Applicant Name: Onondaga Community College (OCC); **(2) Applicant City/State:** Syracuse, NY

(3) Consortium: N/A; **(4) Area Served:** New York: Cayuga, Cortland, Madison, Onondaga, Oswego

(5) Total Funding Level Requested: \$2,499,477; Leveraged: \$2,020,418 **(6) Consortium Member:** N/A

(7) Project Name: CNY Future Opportunities Onondaga Delivers Pathway Initiative (CNYFOOD)

(8) Project Description, List of Credentials to be Developed & Awarded: The CNY Regional Economic Development Council (CNYREDC) appointed by the Governor identified the Agribusiness and Food Industry as one of CNY's priority industry clusters. To support the sector, Onondaga Community College (OCC) proposes to partner with employers, nonprofits, and the NY workforce system to develop CNYFOOD, a dual-client, sector-based workforce program featuring employer-driven training and a collaborative approach to recruitment and career placement. CNYFOOD will build upon the region's Work Train model, which grew out of a series of programs linking Syracuse residents with employers in construction and health care. CNYFOOD will launch a DACUM process to fully engage employers in developing five competency-based learning programs: 1) Food science, safety, quality assurance, 2) Food production, processing, 3) Distribution and logistics, 4) Train-the-Trainer/Supervisory Training, and 5) Hospitality and Food Service. Together, these align with over 2,400 annual openings in CNY and 12,687 jobs by 2020 at wage rates that exceed regional averages for entry- and medium-skilled workers.

CNYFOOD will employ the following strategies to prepare skilled workers to meet the hiring needs of employers: 1) accelerate remediation through contextualized coursework; 2) adapt the highly successful ASAP model to the program by adopting an intrusive, case management model using career coaches and an Educational Advisor who will engage students from enrollment to completion and job placement, and a Business Outreach Manager to connect students with local employers for experience and post-completion jobs; 3) conduct prior learning assessments to accelerate completion; 4) develop and implement modularized, competency-based curricula; 5) use competency-based assessments to determine student

mastery; 6) develop interconnected curricula across the five content areas, supporting students' vertical and lateral movement within available occupations; 7) engage local employers and national industry associations in curriculum design, validation and evaluation to assure relevance of training in the region and beyond; 8) establish articulation agreements with colleges, including Cornell University, Morrisville College, and SUNY-ESF; and 9) use online and blended instructor-led/technology-based learning tools to enhance access and improve learning. Students will receive wraparound services through community partners. Job placement will be supported by employer partners – who project more than 1,200 openings in the next two years alone – and a shared, full-time Career Coach who will be stationed with the local WIB. Global Food Protection Institute and Grocery Manufacturers Association will assist with national portability.

(9) Populations Served: TAA-eligible workers, Veterans, refugees, unemployed New Yorkers

(10) Targeted Industry(s): Agribusiness and Food Processing

(11) Employer Partner(s): Agrana Fruit, American Food & Vending, Byrne Dairy, Decorated Cookie Co., Food Bank of Central New York, G&C Foods, Giovanni Food Co., HP Hood LLC, Tops Friendly Markets

(12) Public Workforce System Partners: CNY Works (houses local WIB), NYS DOL (TAA Coordinator)

(13) Other Key Partner(s): CenterState CEO, Work Train, Catholic Charities, Southwest Community Center, Small Business Development Ctr, JobsPlus!, Workforce Development Institute; Cornell University College of Agriculture and Life Sciences, Morrisville State College, SUNY ESF; Global Food Protection Institute, International Food Protection Training Institute, Grocery Manufacturers Association (GMA) Science & Education Foundation, Manufacturer's Association of CNY (MACNY), Onondaga Farm Bureau.

(14) Contact: Amy Kremenek, Vice President, OCC; 315.498.2988; kremenea@sunyocc.edu

(15) Percentage of OER Materials Developed vs. Percentage Licensed or Purchased: OCC expects 90% of program materials to be developed and be OER. The remaining 10% will be licensed or purchased.

(16) Data Tags: Accelerated, Blended, Career Pathways, Certificate Attainment, Competency-Based, Contextualized, Industry-Driven, Job Placement, Modular, Retention, Stackable, Technology Enabled.

Abstract

1. Applicant Name: Cincinnati State Technical and Community College

2. Applicant City/State: Cincinnati, Ohio

3. Single Institution Project

4. Areas Served by Grant (by city, county, and state):

- **State:** Ohio **Counties:** Hamilton, Butler, Warren, Clermont. **Cities:** Cincinnati, Middletown, Harrison, Hamilton, Fairfield, Sharonville, Blue Ash, Milford, Batavia
- **State:** Kentucky **Counties:** Boone, Kenton, Campbell. **Cities:** Covington, Newport, Erlanger, Florence
- **State:** Indiana **Counties:** Franklin, Ohio, Dearborn. **Cities:** Lawrenceburg, Rising Sun

5. Total Funding Level Requested: \$2,498,888.00

6. Sub-Total Requested Funding Amount by Consortium Member (as applicable): n/a

7. Project Name: Greater Cincinnati *Supply Chain Career Development Center (SCCDC)*

8. Project Description and List of Credentials to be Developed and Awarded:

SCCDC will address a critical regional employer need by creating flexible, modularized career pathways in supply chain management and logistics for trade-impacted workers, veterans and other adults. The project will include the development of a much-needed regional materials handling learning training laboratory, and will take to scale in the region best practices developed in Cincinnati State's two previous TAACCCT projects. Credentials to be awarded include the National Career Readiness Certificate (NCRC); core technical certificates for entry-level material handlers and forklift drivers; specialized certificates to be developed in supply chain / logistics / material handling that are competency based, meet employer needs, correlate to industry recognized credentials, and are stackable for attainment of an associate degree; an associate degree in supply chain management, with optional materials handling technician track.

9. Populations to be Served: TAA-eligible workers, Veterans, Other Displaced Workers, Other Adults Underrepresented in Supply Chain and Logistics

10. Targeted Industry(s): Supply Chain Management and Logistics; Manufacturing (Project has IMCP Designation from Southwest Ohio Aeronautics Region IMCP.)

11. Employer Partner(s): CTL Aerospace, Sysco Cincinnati, LeanCor, Quality Associates, Cincinnati Barge and Rail, and others.

12. Public Workforce System Partner(s): Ohio Department of Job & Family Services, Southwest Ohio Region Workforce Investment Board and Butler County WIB

13. Other Key Partner(s): Partners for a Competitive Workforce; Council of Supply Chain Management Professionals; City of Middletown; City of Cincinnati; Cincinnati State Round 1 and Round 3 TAACCCT projects.

14. Public Contact Information: Lawra J. Baumann, Ph.D., Director of Grant Administration, Cincinnati State Technical & Community College, 3520 Central Parkway, Cincinnati, OH 45223-2690, (513) 569-1233, lawra.baumann@cincinnatiastate.edu. www.CincinnatiState.edu

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 75% of program materials will be developed as open educational resources and the remaining 25% will be licensed or purchased.

16. Data Tags: Accelerated Learning, Achievement Rates, Assessment Technology, Career Pathways, Certificate Attainment, Competency-based Training, Contextualized Learning, Degree Attainment, Developmental Education, Employer Partnership, Enhanced Student Services, Industry-Driven Competencies, Industry-Recognized Credentials, Job Placement, Online Teaching/Learning, Open Educational Resources, Personalized Instruction, Retention Strategies, Self-paced Learning, Skill Assessments, Stackable Credentials, Technology Enabled Learning.

Clark State Community College – TAACCCT Round IV – Project Abstract

Applicant Name: Clark State Community College

Applicant City/State: Springfield, Ohio

Consortium Members: Single Institution Proposal from Clark State Community College – Ohio

Areas Served by Grant (by City, County and State): The City of Springfield, and Clark, Champaign, Clinton, Greene, Logan, Montgomery, and Union Counties in the State of Ohio.

Total Funding Level Requested: \$2,497,885

Project Name: “Advancing Manufacturing to Compete in a Global Economy”

Project Description and List of Credentials to be Developed and Awarded: Working with local manufacturers as part of a well-designed employer engagement process, CSCC will develop new or redesigned stackable certificate programs in Welding (new), CNC (redesigned), Additive Manufacturing (new), Industrial Maintenance (redesigned), and Supervisory Control and Data Acquisition (SCADA - new). These two semester certificate of proficiency programs will enable the transfer of credits to existing associate degree programs at CSCC and will present a variety of expanded career pathway options for students. The College will expand its instructional technology, internet-based/online course offerings and will develop an “I-BEST like” model program that combines developmental education with core manufacturing foundations instruction using a team teaching approach. CSCC will work with local employers to develop one or two credit hour internship opportunities for students in the program as well as employment opportunities for graduates. Students completing the CNC program will be prepared to earn up to 11 stackable credentials from the National Institute for Metalworking Skills (NIMS) under Level 1 criteria. Students completing the Welding Program will be prepared to apply and sit for the American Welding Society’s – Certified Welders examination.

Population to be Served: Veterans and military personnel within six months of honorable discharge, TAA-eligible workers, long-term unemployed, unemployed and under employed adults.

Targeted Industries: NAICS Code 33 – Manufacturing Industries are primarily targeted for the project

Employer Partners: Tech II, Weidmann, Valco Industries, SelectTech GeoSpatial, seepex.com, Heroux Devtek (HDI Landing Gear), and the Dayton Development Coalition.

Public Workforce System Partners: The Ohio Department of Job and Family Services (ODJFS) and the Ohio Area 7 Workforce Investment Board and American Job Centers/OhioMeansJobs Centers in Springfield and Greene County (both under the auspices of Ohio Area 7 and ODJFS).

Other Key Partners: Wright State University – Center for Manufacturing Sciences, Wright State University, the University of Dayton, Springfield City Schools, Springfield-Clark Career and Technical Center, Greene County Career Center, and the Ohio Hi-Point Career Center will work with CSCC staff and the Employer Engagement Team (EET) to develop well defined career pathways in manufacturing and advanced manufacturing. Key collaborators include: the Springfield Chamber of Commerce, Dayton Area Chamber of Commerce, Clark County Economic Development, and Greene County Economic Development who will promote the program to employers throughout the region in terms of creating awareness, identifying internship and employment opportunities for students and identifying additional employer representatives for the EET. CSCC will also collaborate with several similar TAACCCT Round II and III grantees.

Public Contact Information: Catie Stipe, Clark State Community College, 100 South Limestone Street, Springfield, OH 45501-0570. Phone: (937) 328-8070. Email: stiphec@clarkstate.edu.

Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased

Program Materials: 15% OER and 85% Licensed or Purchased Program Materials will be used.

Data Tags: additive manufacturing, 3D printing, robotics, mechatronics, industrial maintenance, CNC, CAD, welding, I-BEST, integrated training, employer engagement, job placement, career navigator, internships, stackable credentials, open educational resources, accelerated learning, modular curriculum, industry-driven competencies, industry-recognized credentials, developmental education, career pathways, blended learning, stackable credentials, retention.

Attachment A: Abstract

1. **Applicant Name:** Eastern Gateway Community College
2. **Applicant City/ State:** Steubenville, Ohio
3. **N/A**
4. **Areas Served by Grant:**

State: OH. Counties: Ashtabula, Belmont, Carroll, Columbiana, Geauga, Harrison, Jefferson, Mahoning, Portage, Stark, Trumbull. Cities: Steubenville, Youngstown-Warren-Boardman MSA

State: PA. Counties: Beaver, Lawrence, Mercer

State: WV. Counties: Brooke, Hancock, Ohio
5. **Total Funding Level Requested: \$2,493,616**
6. **N/A**
7. **Project Name:** Eastern Gateway Community College TAACCCT
8. **Project Description and List Credentials to be Developed and Awarded:** This project serves Eastern Gateway Community College (EGCC) and seeks to: (1) create a new manufacturing training center to meet unmet demand for training, (2) deepen systemic integration among EGCC, agencies, and employers, and (3) build stacked and latticed credentials and integrate evidence-based strategies to serve TAA-eligible workers. Credentials include industry certifications, short-term (less than 6 months) and intermediate-term (at least 6 months) postsecondary certificates, and associate degrees in Manufacturing Technology, Welding Technology, and Industrial Maintenance.
9. **Populations to be Served:** TAA-eligible workers, veterans, unemployed individuals, and adult community college students
10. **Targeted Industry:** Manufacturing

- 11. Employer Partners:** CMI Industry Americas Inc., Kiraly Tool and Die Inc., Specialty Fab Inc., Brilex Industries Inc., Starr Manufacturing, Warren Screw Machine, Butech Bliss, Compco. Industries, BOC Water Hydraulics Inc., Gasser Chair Inc., Taylor Winfield Technologies, Enertech Electrical, Quality Machine Inc., Amrod Bridge and Iron, M-7 Technologies Inc., Hunter Lift Ltd., Howland Machine, Barclay Machine, Steelcon, Quality Switch
- 12. Public Workforce System Partners:** Mahoning and Columbiana Training Association, Trumbull County Department of Job and Family Services, Ohio Department of Job and Family Services
- 13. Other Key Partners:** Columbiana County Career and Technical Center, Choffin Career and Technical Center, Mahoning County Career and Technical Center
- 14. Public Contact Information:** Jerry Klinesmith, Dean of Business, Engineering, & Information Technology, Eastern Gateway Community College, 740-264-5591 ext.1707, jklinesmith@egcc.edu
- 15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials:** Approximately 55 percent of program materials will be developed as open educational resources, and the remaining 45 percent will be purchased.
- 16. Data Tags:** Career Pathways, Certificate Attainment, Civic and Community Engagement, Employer Partnership, Industry-Recognized Credentials, Retention Strategies

Project Abstract

- 1. Applicant Name:** Lorain County Community College
- 2. Applicant City/State:** Elyria, Ohio
- 3. Consortium Member(s) and Consortium Member State(s):**
 - Cincinnati State Technical and Community College, Cincinnati, OH
 - Columbus State Community College, Columbus, OH
 - Cuyahoga Community College, Cleveland, OH
 - Eastern Gateway Community College, Steubenville, OH
 - Lakeland Community College, Kirtland, OH
 - Owens Community College, Findlay, OH
 - James A. Rhodes State College, Lima, OH
 - Sinclair Community College, Dayton, OH
 - Stark State College, North Canton, OH
 - Zane State College, Zanesville, OH
- 4. Areas Served by Grant (by city, county, and state)**

State: Ohio. **Counties:** Adams, Allen, Ashland, Ashtabula, Athens, Auglaize, Belmont, Brown, Butler, Carroll, Champaign, Clark, Clermont, Clinton, Columbiana, Coshocton, Crawford, Cuyahoga, Darke, Defiance, Delaware, Erie, Fairfield, Fulton, Greene, Guernsey, Hamilton, Hancock, Hardin, Harrison, Henry, Highland, Holmes, Huron, Jackson, Jefferson, Lawrence, Logan, Lorain, Lucas, Madison, Mahoning, Marion, Medina, Meigs, Mercer, Miami, Monroe, Noble, Ottawa, Perry, Pickaway, Pike, Portage, Putnam, Ross, Sandusky, Scioto, Seneca, Shelby, Stark, Summit, Trumbull, Tuscarawas, Union, Van Warren, Washington, Wayne, Williams, Wood, Wyandot. **Cities:** Akron, Canton, Cincinnati, Cleveland, Columbus, Dayton, Findlay, Lima, Lorain, Toledo, Youngstown, Zanesville
- 5. Total Funding Level Requested:** \$15,000,000
- 6. Sub-Total Requested Funding Amount by Consortium Member:**
 - Cincinnati State Technical and Community College, \$1,000,000
 - Columbus State Community College, \$1,000,000
 - Cuyahoga Community College, \$855,396
 - Eastern Gateway Community College, \$999,988
 - Lakeland Community College, \$1,000,522
 - Lorain County Community College, \$5,144,094
 - Owens Community College, \$1,000,000
 - Rhodes State College, \$1,000,000
 - Sinclair Community College, \$1,000,000
 - Stark State College, \$1,000,000
 - Zane State, \$1,000,000
- 7. Project Name:** Ohio Technical Skills Innovation Network (Ohio TechNet)

- 8. Project Description and List of Credentials to be Developed and Awarded:**
With industry input, 11 colleges in **Ohio TechNet** will develop an advanced manufacturing competency model that promotes job readiness, prior learning assessment, basic skill development, pathways to certificates/degrees, employer involvement, online/hybrid courses, and work-based learning. It will leverage business links with employers contributing to curriculum and identification of skill needs. Participants will enter at multiple points based on skills and needs. Colleges will offer new or modified credentials and degree programs including: Allen Bradley Advanced Automation Certificate; CNC Machining; Career Readiness Certificate; Certified Welding Educator; Computer-Aided Manufacturing; Food Safety Certificate; Food Technology Certificate; Industrial Maintenance; Mitsubishi PLC Certificate; OSHA Safety Certificates; Professional Safety Certificate; Tool and Die Certificate; Welding Certificates (MIG, Stick, TIG, Flux-cored).
- 9. Populations to be Served:** TAA-eligible workers, veterans, and long-term unemployed
- 10. Targeted Industries:** Advanced manufacturing such as: CNC/Machining; Welding; Industrial Maintenance; Digital Design/Industrial Automation; and Occupational Safety
- 11. Employer Partners:** Advanced Design Solutions; Howden; Superior Die, Tool & Machine; Arcelor Mittal; General Motors; Lincoln Electric; CMI Industry Americas; Kiraly Tool and Die; Risk Control 360; Specialty Fab Inc.; VEC; Air Technical Industries; A.J. Rose Manufacturing; AutoGate; Bettcher Industries; Crane Aerospace; General Plug and Mfg.; Safety Controls Technology; Bob Evans Farms; Dannon; Gasdorf Tool; Proctor&Gamble; Dayton Lamina; Engenetics Aerospace; F&P America Mfg.; Makino; SGS Tool; Technibus; Bi-Con Services; Island Aseptics; Patriot Stainless; Pioneer Pipe; Quanex IG; US Bridge.
- 12. Public Workforce System Partners:** Ohio Department of Job and Family Services; Lorain County OhioMeansJobs (OMJ) Workforce Development Agency; WIB/OMJ -Allen, Butler, Cuyahoga, Franklin, Guernsey, Jefferson, Morgan, Noble Counties; WIB-Areas 7 & 8; Workforce Board of SW Ohio; Noble County Dept. of Job/Family Services.
- 13. Other Key Partner(s):** Southwest Ohio Aerospace Region – IMCP Manufacturing Community; Ohio Board of Regents; Ohio State Apprenticeship Council; Manufacturing Institute; Ohio Manufacturers Association; America Makes; ALMII; EWI; Community College Workforce Consortium; National Institute for Metalworking Skills; American Welding Society; multiple regional manufacturing & industry councils.
- 14. Public Contact Information:** Terri Burgess Sandu, Executive Director, Workforce Development, Lorain County Community College, (440) 366-4215, tsandu@lorainccc.edu
- 15. Percentage of OER Program Materials Developed v. Percentage of Licensed or Purchased Program Materials:** An estimated 25% of materials will be developed as open educational resources and the remaining 75% will be licensed or purchased.
- 16. Data Tags:** accelerated learning, basic skills, career pathways, competency-based training, developmental education, employer partnership, industry-recognized credentials, on-the-job training, skill assessments, stackable credentials, technology-enabled learning

ABSTRACT

1. **Applicant Name:** Northwest State Community College
2. **Applicant City/State:** Archbold, OH
3. **Consortium Member:** N/A
4. **Areas Served by the Grant:**
 - State: Ohio.
 - Counties: Defiance, Fulton, Henry, Lucas, Paulding, Van Wert and Williams Counties
 - Cities: Greater Toledo Area (Bryan, Defiance, Napoleon, Paulding, Van Wert, Wauseon)
5. **Total Funding Level Requested:** \$2,499,588
6. **Sub-Total Requested Funding Amount by Consortium Member:** N/A
7. **Project Name:** Industrial Automation Manufacturing innovative Strategic Training
Achieving Results: (*I AM iSTAR*)



8. Project Description and List of Credentials to be Developed and Awarded:

I AM iSTAR is an initiative focused on the Industrial Automation Manufacturing industry where competency-based curriculum will be developed and aligned with employer needs, and deployed through short-term certificates and degrees that lead to high-wage, high-skill employment. A process for evaluating Prior Learning and a hybrid instructional delivery model will be developed focused on Advanced Manufacturing programs shortening the time to completion of industry recognized credentials, certificate(s), or degree(s). The National Association of Manufacturing (NAM) endorsed certifications will be embedded into the curriculum based on employer input. These certifications may include but not limited to:

- NCRC (National Career Readiness Certificate),
- ISA CST (Certified Systems Technician) Associate Program,
- SMRP CMRT (Certified Maintenance & Reliability Technician),
- MSSC (Manufacturing Skill Standards Council),
- NIMS (National Institute for Metalworking Skills),
- AWS (American Welding Society) and
- IFPS (International Fluid Power Society).

In addition, Career Coaches will be implemented through an experienced community based organization (i.e. Community Action Agency) to guide TAA eligible, veterans and other adult participants through TAA/WIA training and supportive services.

The *I AM iSTAR* initiative will blend advanced technology with enhanced learning through new or expanded online courses, online interactive simulations and virtual environments. Hands-on learning is critical in equipment intensive curriculum, thus students will learn, and be assessed on

hardware simulators that directly emulate industrial grade equipment. A flexible laboratory scheduling process will be created that will allow students to acquire skill in college labs at times based on their schedule versus a standard college schedule.

9. Populations to be Served: TAA-eligible workers, veterans, long term unemployed and other adults.

10. Targeted Industries: Advanced Manufacturing

11. Employer Partner: Campbell Soup Company, ConAgra Foods, General Motors, International Automotive Components (Wauseon, OH), Menards, Inc (Montpelier, OH), Sauder Woodworking Company (Archbold, OH), Toledo Molding and Die, Inc., and Worthington Industries (Delta, OH)

12. Public Workforce System Partners: Ohio Department of Job and Family Services; Williams County One Stop, WSOS Community Action, and Area 7 Workforce Investment Board

13. Other Key Partners:

Round One TAACCCT Grantee:

- Robeson Community College, North Carolina

14. Public Contact Information: Melissa J. Rupp, Director of Grants Development and Administration, Northwest State Community College, Phone: 419-267-1335, Fax: 419-267-5588
Melissa.rupp@northweststate.edu

15. Percentage of OER Program materials Developed vs. Percentage of Licensed or Purchased Program Materials: 75% of program materials will be developed as open educational resources, and the remaining 25% will be licensed or purchased

16. Data Tags: Accelerated Progress, Accelerated Learning, Assessment Technology, Career Pathways, Certificate Attainment, Competency-based Training, Contextualized Learning, Degree Attainment, Employer Partnerships, Enhanced Course Articulation, Industry-driven Competencies, Industry-Recognized Credentials, Job Placement, Mobile Devices, Modular Curriculum, Online Teaching/Learning, Real-time Online Interactions, SCORM, Self-paced Learning, Simulations, Skill Assessments, Stackable Credentials, Technology Enabled Learning, Virtual Environments, Web-based Training.

Project Abstract

- 1. Applicant Name:** Oklahoma City Community College (OCCC)
- 2. Applicant City/State:** Oklahoma City, Oklahoma
- 3. Consortium Member(s) and Consortium Member State(s):** None
- 4. Areas Served by Grant:**
 - **State:** Oklahoma, then scaled nationally. **Counties:** (In OK) Canadian, Cleveland, Grady, Lincoln, Logan, McClain, and Oklahoma. **Cities:** (in OK) Oklahoma City, Midwest City, Moore, and Norman.
- 5. Total Funding Level Requested:** \$2,497,340
- 6. Sub-Total Requested Funding Amount by Consortium Member:** None
- 7. Project Name:** Commercial Food Equipment Service Technician (CFEST)
- 8. Project Description and List of Credentials to be Developed and Awarded:** OCCC will provide training for middle-skilled technical workers in a Science, Technology, Math and Engineering (STEM) related occupation by developing and implementing a new career pathway that includes nationally scaled education and credentialing with a Registered Apprenticeship program called the Commercial Food Equipment Service Technician (CFEST) program. The CFEST program will improve, expand and accelerate learning in the Engineering Career Pathway beginning in central Oklahoma and scaling nationally for TAA-eligible workers and other adults via expanded engagement flexibility; redesigned remedial education to include acceleration and contextualization; Prior Learning Assessment (PLA); latticing programs and stacking new and enhanced employer recognized credentials; advanced online and technology-enabled learning; strategic alignment with the workforce system and other stakeholders including alignment with previously-funded TAACCCT projects, utilizing sector strategies and substantial employer engagement. Emphasis will be placed on offering flexible class scheduling and various delivery systems including advanced technical online and hybrid courses.

Credentials to be developed include four industry certifications, one journeyman certification and a Registered Apprenticeship.

9. **Populations to be Served:** TAA-eligible workers, under- and un-employed workers, with an emphasis on veterans and their eligible spouses.
10. **Targeted Industry:** Commercial and Industrial Machine and Equipment Sector (NAICS 81)
11. **Employer Partner(s):** Commercial Food Equipment Service Association (national industry representative), Hagar Restaurant Supply, Duffy's Equipment Service, Inc., Commercial Kitchen Parts & Service, Pine Tree Food Equipment Inc., AIS Parts & Service of Buffalo, FESCO (Food Equipment Services Company), Pierce Parts and Service, Inc., Ecolab Equipment Care (GCS Service Inc.), Cobblestone Ovens Inc., Commercial Parts & Service Inc., Elmer Schultz Services Inc., AR Repairs Baker's Kneads Inc., and Whaley Foodservice.
12. **Public Workforce System Partner(s):** Oklahoma Department of Commerce, Governor's Economic and Workforce Development Council (state workforce board), Oklahoma Employment Security Commission (also houses TAA program), and the Central Oklahoma Workforce Investment Board.
13. **Other Key Partner(s)** TAACCCT Grantees: Macomb Community College, Anne Arundel Community College, Northern Wyoming Community College, and Henry Ford Community College. 36 community college partners in the Global Corporate College. DOL ETA Office of Apprenticeship. TEEM, Upward Bound, The Coalition to End Homelessness, and The United Way of Central Oklahoma.
14. **Public Contact Information:** Joe Swalwell, Director of Contracts and Grants, Oklahoma City Community College, 405-682-1611 x7317, jswalwell@occc.edu.
15. **Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials:** Approximately 90% of program materials will be developed as open educational resources, and the remaining 10% will be licensed or purchased.
16. **Data Tags:** Accelerated Learning, Basic Skills, Blended Learning, Career Pathways, Certificate Attainment, Competency-Based Training, Contextualized Learning, Digital Materials, Earn and Learn, Employer Partnership, Game Design, Industry-Recognized Credentials, Job Placement, Modular Curriculum, On-the-Job Training, Online Community of Practice, Paid Internships, Retention, Registered Apprenticeships, SCORM, Simulations, Skill Assessments, Stackable Credentials, Technology-Enabled Learning, and Web-Based Training.

Project Abstract

1. Applicant Name: Northampton Community College

2. Applicant City/State: Bethlehem, Pennsylvania

3. Consortium Member(s) and Consortium Member State(s):

Lehigh Carbon Community College (LCCC), Schnecksville, Pennsylvania

Luzerne County Community College (Luzerne CCC), Nanticoke, Pennsylvania

Northampton Community College (NCC), Bethlehem, Pennsylvania

4. Areas Served by Grant (by city, county, and state):

State: Pennsylvania. **Counties:** Carbon, Columbia, Lackawanna, Lehigh, Luzerne, Monroe, Northampton, Northumberland, Pike, Schuylkill, Susquehanna, Wayne, Wyoming. **Cities:** Allentown, Bethlehem, Easton, Hazleton, Jim Thorpe, Nanticoke, Pittston, Schnecksville, Shamokin, Stroudsburg, Tamaqua, Tannersville, Towanda, Tunkhannock, Wilkes-Barre

5. Total Funding Level Requested: \$10,000,000

6. Sub-Total Requested Funding Amount by Consortium Member (as applicable):

Lehigh Carbon Community College:	\$1,809,350
Luzerne County Community College:	\$1,836,214
Northampton Community College:	\$6,354,436
(Inclusive of lead agency costs of \$4,050,193 and NCC project site specific costs of \$2,304,243)	

7. Project Name: Northeast PA Community College Consortium (NPCCC) for Integrated Learning

8. Project Description and List of Credentials to be Developed and Awarded: The Northeast PA Community College Consortium for Integrated Learning project employs a best practice Learning Community model to ensure evidence of student academic success, to advance the effectiveness of the three partner colleges, and to align with the expectations of regional employers. The Learning Community (LC) model will create collaborative teams, (shared communities of practice) for consortium-wide activities across three dimensions: *Contextualized Remediation, Technology-Enhanced Learning* and *Strategic Employer Engagement*. Shared best practices will be applied to high-priority occupational training in three industry sectors with documented skill demands verified by subject matter experts and regional employers: *Advanced Manufacturing, Healthcare, and Logistics/Transportation*. Documenting academic and employment success in these sectors will support the efficacy of implementing the Learning

Communities framework in other programs. Credentials to be developed and awarded and also eligible for prior learning credit include: Healthcare Office Specialist, Healthcare Office Coordinator, Pharmacy Technician Specialist, Healthcare Billing & Coding Specialist, Machinery Repair Diploma, Instrumentation Technician Diploma, Advanced Manufacturing/Integrated Systems Technology degree, Welding A.A.S., Welding Specialized Diploma, and Diesel Engine Specialist Certificate.

9. Populations to be Served: Pennsylvania's TAA and TAA-like populations. A total of 4,013 Pennsylvanians were eligible to receive TAA assistance in PY2012.

10. Targeted Industry(s): Advanced Manufacturing, Healthcare, and Transportation & Logistics.

11. Employer Partner(s): Airgas, B. Braun Medical, Inc., Blue Mountain Health Systems, Fisher Clinical Services, Fresh Pet Kitchens, Just Born Inc., K-Fab, Inc., Lehigh Valley Health Network, Linde Corporation, Machining Technologies, Mack Trucks, Martz Group, Medico Industries, Ocean Spray, Pocono Medical Center, St. Luke's Hospital Miner's Campus, St. Luke's Physician Group, Victaulic, Waste Management.

12. Public Workforce System Partner(s): PA Department of Labor & Industry and their JobGateway and PA CareerCoach programs. The Business Services Teams at the local CareerLinks. Lackawanna, Lehigh Valley, Luzerne/ Schuylkill, Northern Tier, and Pocono Counties Workforce Investment Boards.

13. Other Key Partner(s): CanDo of Greater Hazleton, Greater Lehigh Valley Chamber of Commerce Manufacturing Council, Lehigh Valley Economic Development Corporation, Lehigh Valley WIB Healthcare Industry Partnership, Manufacturers Resource Center (MRC), NEPIRC, Skills in Scranton, TAACCCT 1 Grantee – Community College of Philadelphia, and TAACCCT 2 Grantee – Montgomery County Community College.

14. Public Contact Information: Dr. Paul E. Pierpoint, Vice President, Community Education/Dean, Southside Center, PPierpoint@northampton.edu, (610) 861-5580.

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 55% of program materials will be developed as open educational resources, 40% will be licensed or purchased and 5% other.

16. Data Tags:

Articulation, Career Pathways, Contextualized Remediation, Community of Practice, Employer Engagement, Evidence-Based Design, Modular Curriculum, Job Placement, Learning Communities, Prior Learning Assessment, Retention, Sector, Stackable Credentials, Latticed Credentials, Technology-Enhanced.

ABSTRACT

1. Applicant Name: Universidad Metropolitana (UMET). **2. Applicant City/State:** San Juan, Puerto Rico. **4. Areas Served by Grant:** Commonwealth of Puerto Rico. **5. Total Funding Level Requested:**

7. Project Name: New Horizons: Puerto Rico Lasers and Photonics Career Pathways

8. Project Description and List of Credentials to be Developed and Awarded: The *New Horizons* initiative presents an opportunity to develop new and highly-applicable skills for the 21st century. UMET's Puerto Rico Photonics Institute offers education and training in Lasers, Optics and Photonics not available anywhere else in Puerto Rico, yet it is applicable to a wide variety of careers. The curriculum for this program will be adapted from the highly-successful NSF-ATE-supported National Center for Photonics Education. Course and laboratory components will also be built on online interactive notebooks being developed in collaboration with the University of Arizona. General education elements will be embedded.

The proposed project impacts workforce displaced by trade-agreement related closures and other job losses in PR. The offerings respond to requirements in manufacturing and R&D in three growing industries, Aerospace, Medical Devices, and Communications. They also prepare an already well-educated workforce to attract new industries that employ Lasers, Optics and Photonics, including green technologies. Materials developed will be open source, and they will be disseminated through open-source platforms such as BigBlueButton and Department of Labor's Virtual Career Network (VCN).

The Credentials to be awarded are through an ETA-Certified Professional Certificate entitled Photonics, Lasers and Fiber Optics Technical Specialist (PTS)

9. Populations to be served: Current Puerto Rico TAA-qualified workforce, numbering 674,

veterans and other adults.

10. Targeted Industries: Aerospace Technologies and Manufacturing, Medical Device Manufacturing, Communications, Pharmaceuticals.

11. Employer Partners: Medtronic Corporation

12. Public Workforce System Partners: North-Central (Manatí-Dorado) WIA Board, Labor Development Administration (State WIA Board)

13. Other Key Partners: National Center for Optics and Photonics Education – OP-TEC; North Technological Initiative; Puerto Rico Small Business Technology Development Center; Puerto Rico Manufacturing Extension; Northeast Technological Initiative; Puerto Rico TechnoEconomic Corridor; University of Arizona; College of Lake County, IL; Puerto Rico Industrial Development Company; Puerto Rico Science, Research and Technology Trust; .

14. Public Contact Information: Dr. Carlos M. Padín, Chancellor, Universidad Metropolitana, 787-766-1717 x6400, cpadin@suagm.edu.

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 80/20 Licensed/Developed. Much of the 80% “licensed or purchased” comes from OP-TEC and is public domain.

16. Data Tags: Accelerate Progress, Achievement Rates, Career Pathways, Certificate Attainment, Competency-based Training, Contextualized Learning, Degree Attainment, Digital Materials, Employer Partnership, Industry-Driven, Industry-Recognized Credentials, Job Placement, Online Teaching/Learning, Open Educational Resources, Real-time Online Interactions, Simulations, Stackable Credentials, Technology Enabled Learning, Virtual Environments, Web-based Training.



ABSTRACT

- 1. Applicant Name, City/State:** New England Institute of Technology, East Greenwich, RI
- 2. Areas Served by Grant:** the state of Rhode Island, all counties and cities in Rhode Island.
- 3. Total Funding Level Requested:** \$2,500,000
- 4. Project Name:** S.A.M.I. (Shipbuilding/Marine Trades and Advanced Manufacturing Institute)
- 5. Project Description:** The New England Institute of Technology (NEIT) will add five additional industry-recognized credential programs to its existing two core programs of Shipbuilding/Marine Trades and Advanced Manufacturing, which represent some of the largest sources of employment in the state. These are Shipfitting, Pipe Welding, Sheetmetal, Pipefitting, and Robotics. These trades have been specifically identified as the top unmet trades with employer partners who are projecting significant openings now and in the next three years. The occupational training activities within the shipbuilding and advanced manufacturing industries will provide entry-level skills and advanced skills sought by the private sector partners to 200 Rhode Island unemployed, underemployed individuals, TAA-eligible, veterans, and recent high school graduates. These programs have been carefully designed and developed with the input and cooperation of the following private sector partners. The curriculum, instruction, learning settings, and training closely matches the work-place competencies and skills needed not only for these employers but for each industry occupation, as well as employer partner work-sites and expectations. Training completers will acquire entry-level skills, industry-based credentials, and/or academic credit while beginning their career path journey. This is a straightforward approach to training individuals for jobs in the private sector and, with the nation's highest unemployment rate, has a high likelihood of directly reducing the unemployment rate in Rhode Island. NEIT received a \$2.5 million U.S. Department of Labor TAACCCT 2 Grant to establish a Shipbuilding/Marine Trades and Advanced Manufacturing Institute (SAMI). With this

funding, NEIT has built and equipped two training/evaluation laboratories for welding and machining to provide individuals with the relevant hard and soft skills necessary to prepare them for employment in the private sector. SAMI participants will also receive appropriate supportive services through wraparound case management, work readiness activities, intense “hands-on” industry-based job skills evaluation activities, OSHA 10 safety certification, and employment placement assistance. SAMI programs create a more coordinated and cost effective vehicle to move an individual initially unsure of the opportunities available in these career areas to an entry-level job. SAMI will serve 200 participants. This innovative program will provide a cost effective and more reliable method of training the right people for the right jobs.

6. Populations to be Served: TAA-eligible workers, long-term unemployed, under-employed, recent high school graduates, and veterans.

7. Targeted Industries: Shipbuilding, Marine Trades, Advanced Manufacturing, Manufacturing

8. Partners: General Dynamics Electric Boat, Guill Tool & Engineering (Employers); RI Department of Labor and Training, Workforce Partnership of Greater Rhode Island, Workforce Solutions of Providence & Cranston, and the Governor’s Workforce Board (Workforce); RI Marines Trades Association, RI Manufacturers Association, RI Department of Education, The Community College of Rhode Island (TAACCCT Round 1), and the Rhode Island Foundation.

9. Public Contact Information: Steven Kitchin, Vice President for Corporate Education and Training, New England Institute of Technology, 401.739.5000 X 3343, skitchin@neit.edu.

10. Percentage of OER Program Materials: 90% OER

11. Data Tags (up to 25): shipbuilding, marine trades, advanced manufacturing, manufacturing, industry-recognized credentials, trade adjustment, employment, Rhode Island, New England Institute of Technology, S.A.M.I., career pathways, blended learning, employer partnership, job training, job placement, employment retention, personalized instruction, stackable credentials, real-world learning, on-the-job training, workforce, education, certificate attainment, veterans.



Project Abstract

1. **Applicant Name:** Aiken Technical College
2. **Applicant City/State:** Aiken, South Carolina
3. **Consortium Members:** Single Institution Applicant
4. **Areas Served by Grant:**
 - **State:** South Carolina. **Counties:** Aiken, Allendale, Barnwell, Bamberg, Calhoun, Orangeburg
 - **State:** Georgia. **Counties:** Richmond
5. **Total Funding Level Requested:** \$2,455,839
6. **Sub-Total Requested Funding Amount by Consortium Member:** Not Applicable
7. **Project Name:** Individuals Safely Training to Achieve Climber Credentials (iSTACC)
8. **Project Description and List of Credentials to be Developed and Awarded:**

The Aiken Technical College (ATC) iSTACC program will train and place low-skilled workers, TAA-certified workers, and others in-demand jobs in the tower industry.

iSTACC will also reduce fatalities in an unnecessarily dangerous industry, and create a replicable model for other community colleges. The program will expand an existing and nationally unique tower training program at ATC which produces entry-level authorized climbers who earn 16 semester hours of college credit over 5 weeks. The expanded program will increase the size of this Tower Technician I Certificate (TT1C) program, and will also create new stackable credentials for industry leading to an Associate of Applied Science degree. These new credentials after TT1C, will be offered utilizing advanced technology-enabled online learning, and will allow the TT1C graduate the opportunity advance in the field while employed. This strategy will allow ATC to meet

the employment and training needs of a population needing such an opportunity, while providing trained and safe workers in an advanced industry sector where workforce needs are great and existing training is inadequate. Present training liability-oriented, and focuses on the safety hazards of the occupation. As a result, training is minimal in scope and provides inadequate safety training as evidenced by the industry's record of injury and fatalities. iSTACC credentials will include: Tower Technician I (authorized climber); Tower Technician II (competent climber); Tower Technician III (foreman); and Associate Degree in Applied Science in Wireless Technology (with specialization).

- 9. Populations to be Served:** TAA workers, unemployed and underemployed.
- 10. Targeted Industries:** Communications and Construction
- 11. Employer Partners:** Advanced Technology Group, Georgia-Carolina Tower, Midland Communications, Wireless Estimator,
- 12. Public Workforce System Partners:** South Carolina Department of Employment and Workforce (TAA agency), Workforce Investment Board
- 13. Other Key Partners:** Public Schools Adult Education, Warriors4Wireless, Aiken Warrior Project, Goodwill Industries, and Our Lady of the Valley
- 14. Public Contact Information:** Ben Jones, Director of Grants, Aiken Technical College, (803) 508-7275, jonesbe@atc.edu
- 15. Percentage of OER Program Materials Developed vs. percentage of Licensed or Purchased Program Materials:** 90%/10% open resources versus licensed.
- 16. Data Tags:** accelerated learning, certificate attainment, employer partnership, enhanced student service, student services, modular curriculum, online teaching/learning, open educational resources, stackable credentials, technology enabled learning.

Appendix A: Abstract Format

Project Abstract

1. Applicant Name: Lake Area Technical Institute

2. Applicant City/State: Watertown, SD

3. Areas Served by Grant (by city, county, and state):

State: SD

Counties: Beadle, Brookings, Brown, Campbell, Clark, Codington, Day, Deuel, Edmunds, Faulk, Grant, Hamlin, Hand, Hughes, Hyde, Kingsbury, Marshall, McPherson, Potter, Roberts, Spink, Sully, Walworth

Cities: Watertown, Aberdeen, Brookings

4. Total Funding Level Requested: \$2,500,000

5. Sub-Total Requested Funding Amount by Consortium Member (as applicable): NA

6. Project Name: Transforming Education for Advanced Manufacturing in South Dakota (TEAM SD)

7. Project Description and List of Credentials to be Developed and Awarded: TEAM SD will implement the following strategies designed to expand and enhance the education and training strategies in the advanced manufacturing courses to provide rural or and other adults living in communities supported by manufacturing the opportunity to continue to work while building a portfolio of stackable credentials. Many of the courses in this program lattice allowing students the opportunity to switch programs or add to their credentials.

1) Develop a marketing plan, with input of employer partners, that updates the image of manufacturing and targets the non-traditional student; 2) Create a competency based education model that includes performance based assessments and internship opportunities; 3) Examine and incorporate advanced technology applications that support learners in developing new skills, provides hands-on learning activities, and allows students to complete learning outside of traditional classroom settings; and 4) Improve the employment outcomes of participants. The following credentials will be awarded: Electronic Systems Technology A.A.S degree, Energy Operations A.A.S. degree, High Performance Engine Machining Diploman and A.A.S. degree, Precision Machining A.A.S. degree, Robotics A.A.S. degree, and Welding Diploma and A.A.S. degree.

8. Populations to be Served: TAA-eligible workers and the unemployed, under-employed, veterans, recent high school graduates, dislocated and incumbent workers

9. Targeted Industry(s): Advanced Manufacturing

10. Employer Partner(s): Daktronics, 3M, Angus Palm, Big Stone Power Plant, and CNC MotorSports

11. Public Workforce System Partner(s): SD Department of Labor and Regulation, Pierre; SD Workforce Investment Board, Pierre; American Job Center in Watertown

12. Other Key Partner(s): SD Green Energy Production, Round 1 TAACCCT Grantee;

Appendix A: Abstract Format

Consortium for Healthcare Education Online, Round 2 TAACCCT Grantee, SD Allied Health Training Consortium, Round 3 TAACCCT Grantee, Watertown Economic Development Corporation, Absolutely! Aberdeen, Brookings Economic Development Corporation, SD Department of Education, Pierre

13. Public Contact Information: Michael D Cartney, President, Lake Area Technical Institute, Watertown, SD, (605) 882-5284, cartneym@lakeareatech.edu

14. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 75% of program materials will be developed as open educational resources, and the remaining 25% will be licensed or purchased.

15. Data Tags: Accelerate Progress, Assessment Technology, Certificate Attainment, Competency-based Training, Degree Attainment, Employer Partnerships, Enhanced Course Articulation, Enhanced Student Services, Hybrid Learning, Industry-Driven Competencies, Industry-Recognized Credentials, Job Placement, Learning Communities, On-the-Job Training, Online Teaching/Learning, Open Educational Resources, Paid Internships, Retention Strategies, Simulations, Skill Assessments, Stackable Credentials, Technology Enabled Learning

Project Abstract

1. Applicant Name: Mitchell Technical Institute
2. Applicant City/State: Mitchell, South Dakota
3. Consortium Member(s) and Consortium Member State(s): not applicable
4. Areas Served by Grant: state of South Dakota
5. Total Funding Level Requested: \$ 2,478,232
6. Sub-Total Requested Funding Amount by Consortium Member: not applicable
7. Project Name: *South Dakota Energy Career Pathways*
8. Project Description and List of Credentials to be Developed and Awarded: Mitchell Technical Institute (MTI) will build our capacity by enhancing and expanding Energy Production and Transmission programs supporting TAA-eligible and low-skilled workers throughout our rural state. MTI, along with our project partners, will address the increased workforce demand for energy/utility technicians due to high attrition, employee retirements, and the expanding industry. This proposal will follow the 3 principles of Center of Workforce Development's (CEWD's) "Get Into Energy Career Pathway" model: 1) targeted outreach and support - from recruitment through employment, 2) career pathways that include training through attainment of stackable and latticed credentials, as well as determination of prior learning skills through competency-based skill assessment, and 3) employer involvement in all phases of workforce development.

The program will impact 404 participants. All program participants will have an opportunity to obtain the National Career Readiness Certificate (NCRC), Energy Industry Fundamentals Certificate, and a Commercial Driver's License. Individual program specific certificates include: Industrial Facilities Maintenance Certificate; OSHA 10 Construction Safety; Energy U – Natural Gas Certification; Propane Education and Research Council – Certified Employee Training Program (CETP) Certificates: Basic Principles & Practices, Bobtail Delivery Operations, Propane Delivery Operations & Cylinder Delivery, Placing Vapor Distribution Systems and Appliances into Operation, Designing and Installing Exterior Vapor Distribution Systems, and Basic Plant Operations; Propane & Natural Gas Technician Certificate; Power line Construction & Maintenance Certificate; and Associates of Applied Science (AAS) Degrees in Utilities Technology, Electrical Utilities & Substation Technology, and Industrial Maintenance Controls Technology.

*South Dakota Energy Career Pathways
2014 US DOL TAACCCT Grant Program CFDA 17.282*

9. Populations to be Served: TAA-eligible workers Veterans, unemployed, underemployed, rural, Native American, Women
10. Targeted Industry: Energy/Utilities
11. Employer Partners: Black Hills Corporation, Montana-Dakota Utilities Company, South Dakota Rural Electric Association
12. Public Workforce System Partner: SD Department of Labor and Regulation
13. Other Key Partner(s): Center for Workforce Development, Governor's Office of Economic Development, Arizona Sun Corridor Get into Energy Consortium (TAACCCST Round 2 grantee)
14. Public Contact Information: John Heemstra, Outreach Coordinator;
john.heemstra@mitchelltech.edu (605) 995-7204
15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 65% of program materials will be developed as open educational resources, and the remaining 35% will be licensed or purchased.
16. Data Tags (up to 25): assessment technology, blended learning, career pathways, certificate attainment, competency-based training, contextualized learning, degree attainment, employer partnership, enhanced student services, industry-driven competencies, industry recognized credentials, learning communities, online teaching/learning, open educational resources, prior learning assessment, retention, retention strategies, simulations, skill assessments, stacked credentials, technology-enabled learning

Project Abstract

1. Applicant Name: Southwest Tennessee Community College

2. Applicant City/State: Memphis, TN

3. Consortium Member: N/A

4. Areas Served by Grant

State: Tennessee **Counties:** Fayette and Shelby Counties **City:** Memphis

5. Total Level Requested: \$2,387,247

6. Sub-total Requested: N/A

7. Project Name: Advance Your Career in Healthcare (ADVANCE Southwest)

8. Project Description and List of Credentials to be Developed and Awarded:

Southwest Tennessee Community College's *ADVANCE Southwest* program will expand its nursing and allied health programs utilizing evidence-based practices in academic and career advising to provide participants with intensive support in order to improve program completion. ADVANCE Southwest will create a special pre-program prior to participation in order to expose participants to allied health curriculum, occupations, workplace environment and employer expectations. Furthermore, the college will immerse students in an intensive simulation learning environment to increase critical thinking skills and improve retention rates, and provide intensive career counseling support throughout the duration of the program. Through these methods, Southwest Tennessee will improve its persistence, graduation, and job placement rates.

Targeted credentials include: Nationally Registered Emergency Medical Technician (NREMT) and TN RN Licensure (based on NCLEX-RN)

9. Populations to be Served: TAA-eligible and other dislocated workers and underrepresented minority adults

10. Target Industry: Healthcare (Nursing and Allied Health)

11. Employer Partners: Baptist Health Care and EMHC

12. Public Workforce System Partners: Workforce Area Investment Network (LWIA 13)

Project Abstract

13. Other Key Partners: The Tennessee Department of Health, Office of Emergency Medical Services, Memphis Delta Regional Office

14. Public Contact Information:

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 90% of program materials will be developed as open educational resources, and the remaining 10% will be licensed or purchased.

16. Data Tags:

- Blended Learning
- Career Guidance
- Career Pathways
- Certificate Attainment
- Contextualized Learning
- Degree Attainment
- Developmental Education
- Enhanced Student Services
- Industry Driven Competencies
- Industry-Recognized Credentials
- Retention Strategies
- Simulations
- Skill Assessments
- Stackable Credentials
- Technology Enabled Learning

Project Abstract

1. Applicant Name: Richland College
2. Applicant City/State: Dallas, TX
3. Consortium Members: N/A –single institution applicant
4. Areas Served by Grant (by city, county, and state): Dallas, Dallas County, TX
5. Total Funding Level Requested:
6. Sub-Total Requested Funding Amount by Consortium Member: N/A –single institution applicant
7. Project Name: The Veterans-Focused Engineering Technology Project (VFETP)
8. Project Description and List of Credentials to be Developed and Awarded: The VFETP will address advanced manufacturing industries, those requiring trained workers in electronics technology/mechatronics. These industries are major employers and economic mainstays of the Dallas Fort Worth Metroplex served by Richland College (RLC). The VFETP will leverage Richland College's existing programs, robust commitments from employers, and TAACCCT dollars to meet these needs. The College will conduct outreach to, train, and support gainful employment for, discharged armed forces veterans enrolled in the Pentagon's Transitions to Veterans Program (TVP), as well as TAA-eligible and other participants.

Table 1: Credentials

<i>Main Request</i>
Associate in Applied Science (AAS) Degree-Aligned Nationally Recognized Credentials
National Institute for Metalworking Skills – Level 1
International Society of Certified Electronics Technicians – Certified Electronics Technician (Associate level)
Stackable certificates
Advanced Design
Supervisory Control and Data Acquisition PLC (SCADA PLC)
Electromechanical Maintenance
<i>Supplemental Request</i>
NIMS Level 2
NIMS Level 3

9. **Populations to be Served:** TAA-eligible workers, veterans, long-term unemployed, others.
10. **Targeted Industries:** Advanced manufacturing/mechatronics/electronics manufacturing.
11. **Employer Partners:** Alexandria Industries; Atlas Copco; City of Richardson, TX; DW Distribution; Garland Power & Light; Kenney Industries; Oncor; QT Manufacturing; Raytheon; Romeo Engineering; Smart GeoMetrics; Texas Instruments; UT Southwestern Medical; North Texas Chapter, National Tooling & Machining Association; Metroplex Technology Business Council
12. **Public Workforce System Partner(s):** Texas Workforce Commission (TWC); Workforce Solutions Greater Dallas (WFSDallas)
13. **Other Key Partner(s):** Community College Workforce Consortium, including previous TAACCCT grantees (William Rainey Harper College, Des Moines Area CC, and others); National Institute for Metalworking Skills (NIMS); International Society of Certified Electronics Technicians (ISCET)
14. **Public Contact Information:** Garth Clayton, Dean of Resource Development, Richland College, Dallas, TX, 972-238-6357, gclayton@dcccd.edu
15. **Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials:** Approximately 50% of program materials will be developed as open educational resources, and 50% will be licensed or purchased.
16. **Data Tags:** accelerate progress, accelerated learning, career pathways, certificate attainment, competency-based training, degree attainment, digital materials, employer partnership, enhanced student services, industry-driven competencies, industry-recognized credentials, job placement, online teaching-learning, retention, simulations, stackable credentials, technology enabled learning, virtual environments, web-based training.

Project Abstract

- 1. Applicant Name:** Texas State Technical College (single institution applicant)
- 2. Applicant City/State:** Waco, Texas
- 3. Areas Served by Grant:** **State:** Texas **County:** McLennan, Freestone, Limestone, Bosque, Falls, Hill, Milam, Bell, Coryell, Hamilton, Lampasas, Mills, San Saba, Gregg, Cherokee, Anderson, Camp, Harrison, Henderson, Marion, Panola, Rains, Rush, Smith, Upshur, Van Zandt, Wood
Cities: Waco, TX; Marlin, TX; Hillsboro, TX; Teague, TX; Emory, TX; Pittsburg, TX; Canton, TX; Quitman, TX; Tyler, TX; Jacksonville, TX; Henderson, TX; Gilmer, TX; Longview, TX; Carthage, TX; Marshall, TX; Jefferson, TX; Palestine, TX; Athens, TX; Killeen, TX; Lampasas, TX; Rockdale, TX; Temple, TX; and Fort Hood, TX
- 4. Total Funding Level Requested:** \$2,378,924
- 5. Project Name:** Accelerated Career and Education Pathway Program (ACEPP)
- 6. Project Description and List of Credentials to be Developed and Awarded:**

Texas State Technical College (TSTC) seeks funding to expand the college's ability to deliver education and career training programs in a competency based, accelerated learning platform. Structured to support rapid deployment of training connected to employment in the state's growing manufacturing sector, the Accelerated Career and Education Pathway Program (ACEPP) will provide entry points for TAA-eligible, the unemployed and veterans to access career pathways in manufacturing-related employment as welders, industrial maintenance mechanics and CNC Operators/machinists. Credentials will be stacked and latticed so that the target participant population can receive industry-recognized certifications embedded in associate degree programs, all linked directly to occupational opportunities. ACEPP will utilize the Texas Workforce Commission's College Credit for Heroes program to connect veterans with competency assessments followed by accelerated learning programs designed to move them quickly into available manufacturing jobs.

Credentials Developed and/or Awarded: AWS Sense Level 1; AWS Certified Welder; Combination and Structural Welding Certificates; Associate's Degrees (Welding, Industrial Systems Engineering, and Mechanical Engineering); NIMS Machining 1; CNC Programming, Turning and Milling Certificates; Certified CNC Operator; Machining Certificate; Industrial Mechanic Certification; Industrial Wiring Certification; PLC Certification; and Production Technician.

Project Abstract

- 7. Populations to be Served:** TAA-eligible workers, dislocated workers and unemployed veterans
- 8. Targeted Industry:** Manufacturing
- 9. Employer Partner(s):** SpaceX, Nucor Steel, L-3 Communications, Bechtel Corporation, Vossloh, A.R. Machining, American Welding Society (AWS), National Institute for Metalworking Skills (NIMS), and Baylor Research & Innovation Collaborative (BRIC)
- 10. Public Workforce System Partner(s):** Texas Workforce Commission, Heart of Texas Workforce Solutions, East Texas Workforce Solutions, Central Texas Workforce Solutions
- 11. Other Key Partner(s):** Greater Waco Chamber of Commerce, Texas College Credit for Heroes
- 12. Public Contact Information:** Carliss Hyde, Vice President / Sponsored Programs. Texas State Technical College. 3801 Campus Drive. Waco, Texas 76705. 254.867.4843. carliss.hyde@tstc.edu
- 13. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials:** Approximately 90% of program materials will be developed as open educational resources, and the remaining 10% will be licensed or purchased.
- 14. Data Tags:** Alignment, Articulation, Aviation, Avionics, Career Clusters, Career Pathways, Career and Technical Education, Competency Assessment, Competency-based Technology, Community Partnerships, Degree Attainment, Economic Development, Education Crosswalk, Educational Pathways, Industry Partnership, Innovation, Paid Internships, Prior Learning Assessment, Regionalism, Skill Assessments, Stackable Credentials

Abstract

- 1. Applicant Name:** Salt Lake Community College
- 2. Applicant City/State:** Salt Lake City, Utah
- 3. Consortium Member(s) and Consortium Member State(s):** N/A
- 4. Areas Served by the Grant:**
 - **State:** Utah **Counties:** Salt Lake County, Davis County, Summit County, Tooele County, Utah County, Weber County **Cities:** Salt Lake City, Ogden, Provo, Park City, Tooele
- 5. Total Funding Level Requested:** \$2,500,000
- 6. Sub-Total Requested Funding Amount by Consortium Member:** N/A
- 7. Project Name:** Utah Adult Competency-based Education Design
- 8. Project Description and List of Credentials to be Developed and Awarded:** Utah ACED is a transformative, innovative effort to create a new cross-disciplinary, scalable model for technical education at Salt Lake Community College. The delivery method will include a hybrid, competency-based platform specifically designed to meet the needs of TAA workers, veterans and other adults. This effort is designed to fundamentally advance the understanding and implementation of competency-based education. The School of Applied Technology (SAT) within SLCC provides technical, industry-driven education in a format geared toward adult learners. The goal of this project is to significantly increase the number of adult learners who obtain high-wage, high-demand jobs in six Utah industries by re-engineering four SAT career clusters to a competency-based system. The four career clusters, Healthcare, Information Technology, Manufacturing, and Professional and Administrative Services, contain 20 programs for which credentials will be developed.
- 9. Populations to be Served:** TAA Workers, Veterans, Other Adults
- 10. Targeted Industries:** Healthcare, Information Technology, Manufacturing, Skilled Trades Professional Services, Administrative Support Services
- 11. Employer Partner(s):** Prime Trucking, L-3 Communications, Aerospace Tooling, Utah Department of Health, C.R. England, Cookiecree Bakeries, Tool Design, SME Steel, Tiki Multimedia, The Summit Group, Lotus International, Intermountain Healthcare, Jerry Seiner Car Dealerships, Intermountain Healthcare, PC Laptops, University of Oklahoma, Personal Family Physicians
- 12. Public Workforce System Partner(s):** Utah Department of Workforce Services
- 13. Other Key Partners:** Competency-based Education Network (C-BEN), Western Governor's University
- 14. Public Contract Information:** Kevin Brockbank, School of Applied Technology, Salt Lake Community College, 801-957-5009, kevin.brockbank@slcc.edu

- 15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials:** Approximately 90% of the materials developed will be as open educational resources; the remaining 10% will be licensed or purchased.
- 16. Data Tags:** Competency-based Training, Accelerated Learning, Employer Partnership, Enhanced Course Articulation, Enhanced Student Services, Industry-Drive Competencies, Industry-Recognized Credentials, Online Teaching/Learning, Open Educational Resources, Self-paced Learning, Skill Assessments, Stackable Credentials, Technology Enabled Learning

Project Abstract – Retooling America

1. Applicant Name: Danville Community College

2. Applicant City/State: Danville, Virginia

4. Areas Served by Grant: Primary: City of Danville, counties of Halifax & Pittsylvania
Secondary: Entire Commonwealth of Virginia (then national)

5. Total Funding Level Requested: \$2,500,000

7. Project Name: Retooling America: *Retooling its Workforce, Retooling its Educational Programs*

8. Project Description and List of Credentials to be Developed and Awarded: *Retooling*

America's innovative methodology incorporates workplace experiential learning in an educational setting. Whereas most programs train employees on one piece of equipment at a time,

Retooling America's Capstone Manufacturing concept involves developing a full-scale manufacturing work flow cell to enable realistic, fully integrated training experiences. Phase 1 of this project will develop a Precision Machining Technology Capstone Manufacturing model.

Through a partnership with the National Institute for Metalworking Skills (NIMS), *Retooling America* will also develop a nationally recognized industry credential in metrology.

Partnerships with Goodwill and adult ed services enable the program to reach targeted populations ranging from pre-GED through post-degreed skill levels. These multi-level training opportunities and innovative flow cell concepts are supported through DCC's partnership with former TAACCCT recipient colleges to support incorporation of various models of TAACCCT best practices (e.g., career coaching, prior learning assessments, apprenticeship-like employee-in-training experiences, accelerated learning modules, entrepreneurship opportunities).

Retooling America has worked collaboratively with employers and industry organizations (with over \$1M in commitments, including \$650K in equipment from Haas Automation), to develop

the proposed flow cell Capstone concept. This model will be shared on a nationwide basis for incorporation at any college or workforce training center that is interested in taking their workforce development program to the next level. **Capstone Level Credentials:** CNC Turning Operator (NIMS Level I & II certifications); CNC Milling Operations (Level I & II); CNC Cylindrical Grinding (Level II); CNC EDM/Plunge Wire (Level II); CAD/CAM Advanced Modeling; CNC Tool Setting; Metrology CNC CMM; and Metrology CMM Set-Up & Operation and Quality Technician (both to be developed with NIMS). **Additional Credentials Offered:** National Career Readiness Certificate; Precision Machining Technology Diploma; Advanced Manufacturing Certificate; and OEM certificates from SandvikCoromant and Mitutoyo.

9. Populations to be Served: TAA-eligible workers; veterans; other adult workers (incumbent and unemployed)

10. Targeted Industries: Advanced Manufacturing (Precision Machining Technology; secondarily Welding and Industrial Maintenance/Mechatronics)

11. Employer Partners: North American Mold Technology; Babcock & Wilcox, Piedmont Precision Machining; Rolls-Royce; Goodyear; Intertape Polymer Group

12. Public Workforce System Partners: West Piedmont WIB; Virginia Employment System

13. Other Key Partners: Goodwill Industries of South Central Virginia; Region 12 ABE; Haas Automation; National Institute for Metalworking Skills

14. Public Contact Information: Troy Simpson, Dir. of Advanced Manufacturing, Danville Community College, 434-797-8558 tsimpson@dcc.vccs.edu

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: 90% developed; 10% licensed/purchased

16. Data tags: capstone * advanced manufacturing * precision machining * work flow cell* accelerated learning * career pathways * industry-recognized credentials * NIMS * multi-level training * employer engagement * competency-based * employee-in-training * apprenticeship-like experiences * stackable credentials * latticed credentials * technology-enabled learning * career coaches * open entry/re-entry * entrepreneurship training * contextualized learning *

Project Abstract

1. Applicant Name: Lord Fairfax Community College

2. Applicant City/State: Middletown, VA

3. Consortium Member(s) and Consortium Member State(s): N/A

4. Areas Served by Grant (by city, county, and state): **State:** Virginia **Counties:** Frederick, Fauquier, Page, Shenandoah, Clarke, Warren, and Rappahannock, **City:** Winchester

5. Total Funding Level Requested:

6. Sub-Total Requested Funding Amount by Consortium Member (if applicable): N/A

7. Project Name: Knowledge to Work: A Portal for Competencies and Individualized Learning

8. Project Description and List of Credentials to be Developed and Awarded:

Knowledge to Work (K2W) offers: (1) a portal/website with a new type of educational search engine; (2) individualized learning plans and portfolios; (3) competency-based education with direct assessment; (4) prior learning assessment; (5) badges and industry credentials; and (6) customized, wrap-around support through student services, career coaches, a WIB workforce navigator, and a full-time ABE instructor. In addition to new badges, LFCC will offer an Individualized Studies/Direct Assessment track to earn: (1) the Associate of Applied Science degree in Administrative Support Technology, Health Information Management, and Information Systems Technology; (2) a Certificate in Administrative Support Technology, Medical Billing/Coding, Hospital Facility Coding, and Health Science; and (3) a Career Studies Certificate in Information Processing Technician, Supervision, Home Health Technician, Cyber Security, Database Administration Specialist, Information Technology Foundations, Networking Specialist, Software Development, and Web Design and Applications Development. LFCC will offer apprenticeship programs, including electrical, HVAC, plumbing, and multi-craft technician

(industrial maintenance). Noncredit programs will also be offered.

9. Populations to be Served: TAA-eligible workers, veterans, other unemployed adults/learners

10. Targeted Industry(s): Healthcare; Advanced Manufacturing; and Information Technology

11. Employer Partner(s): Valley Health and Fauquier Hospital in Healthcare; Evolve Manufacturing, O'Sullivan Films, Ashworth Bros., and Kraft Foods in Advanced Manufacturing; and Frederick County Public Schools, Winchester City Public Schools, Shentel, and The Shockey Companies for Information Technology

12. Public Workforce System Partner(s): Advisor for Workforce Training – Office of the Governor (Virginia), State Trade Act Program Manager - Virginia Employment Commission, State Trade Act Representative – VEC Winchester Office, Shenandoah Valley Workforce Investment Board / WIA IV, and Goodwill of the Valleys – one-stop provider.

13. Other Key Partner(s): Horizon Goodwill Industries. Microsoft and the American Health Information Management Association's Foundation for Research and Education are national partners that will help scale the model for competencies and credentials such as badges to scale.

14. Public Contact Information: John Milam, Ph.D., Director of Planning and Institutional Effectiveness, Lord Fairfax Community College, (540) 868-7249, jmilam@lfcc.edu.

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: 5%

16. Data Tags: Accelerated learning, badges, career pathways, competencies, competency-based education, contextualized remediation, credentials, developmental education, direct assessment, individualized study, industry recognized credentials, job placement, learning communities, learning objects, modularized curriculum, Title IV, training, online learning, open educational resources, portfolios, registered apprenticeships, skill assessment, stackable credentials.

Project Abstract

1. **Applicant Name:** Southwest Virginia Community College
2. **Applicant City/State:** Richlands, VA
3. **Consortium Member(s) and Consortium Member States(s):** N/A
4. **Areas Served by Grant (by city, county, and state):** Tazewell, Russell, Buchanan and Dickenson counties in Virginia
5. **Total Funding Level Requested:** \$2,500,000
6. **Sub-Total Requested Funding Amount by Consortium Member (as applicable):** N/A
7. **Project Name:** "SWCC PluggedIn and Ready to Work"
8. **Project Description and List of Credentials to Be Developed and Awarded:**

Southwest Virginia Community College will partner with the VA Dept. of Education's Office of Adult Education and Literacy, VA Employment Commission's State TAA Office, and Southwest Regional Adult Education Office to expand the **PluggedInVA** program. PluggedInVA is an innovative, six-month accelerated program that combines GED curriculum contextualized for a targeted occupation and provides opportunities for participants to earn a college-level certificate from a selected program of study and industry-recognized certifications, such as Microsoft Digital Literacy Certificate. Utilizing the PluggedInVA model, SWCC will develop stackable credentials that align with existing programs in middle-to-high-skill, high-wage industries in Welding, Mechatronics, CNC/Machinists, and Carpentry. In addition, PluggedInVA will be expanded to include **three levels of training** to truly meet the needs of **ALL** TAA-eligible workers: **PIVA Pathways** (Grade equivalent 0-3.9); **PIVA Workforce** (Grade Equivalent 4-8.9) and **PIVA Occupational** (Grade Equivalent 9-12.9).

This program will target advanced manufacturing and carpentry occupations and establish a pathway for adults to obtain their GED while also earning college credit. SWCC has also partnered with four-year institutions in the region to build on current articulation agreements for those students who want to further their education after completing these programs. State-of-the-art technology and simulations will be utilized

in the program development, in conjunction with instructional technology tools and methods that are proven to support learners and create engaging, hands-on experiences. Access to SWCC's PluggedInVA courses will be expanded through implementation of online coursework and development of flexible scheduling options for students. In addition to the community-strengthening supports in place with PluggedInVA, students will be supported by a dedicated PluggedInVA Program Coach and adult career coaches and will have full access to an array of student support services to help ensure a successful transition into higher education.

9. Populations to Be Served: TAA-eligible workers, long-term unemployed or dislocated workers, adults with similar characteristics, veterans, low-wage/less-skilled populations

10. Targeted Industry(s): Advanced Manufacturing and Carpentry

11. Employer Partner(s): Steel Fab; Tadano Mantis Cranes; Pyott Boone Electronics; Consol Energy; Titan Wheels; West River Conveyors; Twin Enterprises, Inc.; and Kim Davis Construction

12. Public Workforce System Partner(s): Virginia Community College System; VA Workforce Investment Board; Local Workforce Investment Board Area One; VA Department of Education, Office of Adult Education and Literacy; State TAA Program, VA Employment Commission; Southwest Regional Adult Education.

13. Other Key Partner(s): VA Manufacturing Association Military2Manufacturing; United Way; OEI

14. Public Contact Information: Mark Estepp, President, Southwest Virginia Community College, email: Mark.Estepp@sw.edu, phone: 276/964-7588.

15. Percentage of OER Program Materials Developed: Over 90% of program materials will be developed as open educational resources, and less than 10% will be licensed or purchased.

16. Data Tags: Career Pathways, Stackable Credentials, Contextualized Learning, Accelerated Learning, Enhanced Articulation, Industry-Recognized Credentials, Retention, Simulations, Technology-Enabled Learning, Basic Skills, Competency-Based Training, Employer Partnership, Job Placement, TAA-eligible workers, Web-Based Training, PluggedInVA

**Rapid Employment in Advanced Integrated Manufacturing
Project Abstract**

1. Applicant Name: Thomas Nelson Community College

2. Applicant City/State: Hampton/Virginia

3. Consortium Members and Consortium Member States N/A

4. Areas Served by the Grant:

- **State:** Virginia. **Counties:** James City & York. **Cities:** Hampton, Newport News, Poquoson & Williamsburg

5. Total Funding Level Requested: \$2,476,840

6. Sub-Total Requested Funding Amount by Consortium Member (as applicable): N/A

7. Project Name: Rapid Employment in Advanced Integrated Manufacturing (RE-AIM)

8. Project Description and List of Credentials to be Developed and Awarded:

Thomas Nelson Community College proposes developing and implementing an industry-driven, scalable education and training system that will deliver a credentialed workforce in advanced manufacturing in an accelerated time-frame.

Credentials being awarded: Virginia Manufacturing Association (VMA) Manufacturing Specialist

Certification (MS1), a subset of the Manufacturing Technician 1 (MT1); Siemens Mechatronics System

Certification Program (SMSCP) Level 1 and Level 2; Industry-Recognized Career Studies Certificates in areas such as robotics, additive manufacturing, composites; Microsoft Digital Literacy Certificate; Career Readiness Certificate.

9. Populations to be Served: The target population to be served is the TAA-eligible worker, unemployed veterans, other dislocated workers, and other adults in the Local Workforce Investment Board Area XIV.

10. Targeted Industry(s): Advanced Manufacturing.

11. Employer Partner(s): ALCOA-Howmet, Canon Virginia, Continental AG, Liebherr Mining Equipment, Newport News Shipbuilding (NNS).

12. Public Workforce System Partner(s): Greater Peninsula Workforce Investment Board (LWIB XIV) and its staff organization (Peninsula Council for Workforce Development), Virginia Community Colleges System (VCCS), Virginia Employment Commission (VEC), Southeast Virginia Rapid Response Office.

13. Other Key Partners(s): Peninsula Regional Education Program, Virginia Peninsula Advanced Manufacturing Collaborative (VPAMC), Center for Occupational Research and Development (CORD), Virginia Manufacturing Association (VMA), Fabricators and Manufacturers Association International (FMA), and Goodwill Industries.

14. Public Contact Information: John Calver, Director, Advanced Manufacturing, Thomas Nelson Community College, 757-865-5846, email calverj@tncc.edu.

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: 100% of program materials will be developed as open educational resources.

16. Data Tags: Accelerated Learning, Career Pathways, Certificate Attainment, Competency-based Training, Contextualized Learning, Digital Materials, Industry-Driven Competencies, Industry-Recognized Credentials, Job Placement, Modular Curriculum, On-the-Job training, Retention Strategies, Registered Apprenticeships, Simulations, Skill Assessments, Stackable Credentials, Technology Enabled Learning

Project Abstract

Applicant Name: Virginia State University

Applicant City/State: Petersburg, VA

Areas Served by Grant (City, County, and State): Central, VA - Charles City County, Chesterfield County, Colonial Heights, Dinwiddie County, Emporia, Goochland County, Greenville, Hanover County, Henrico County, Hopewell, New Kent County, Petersburg, Powhatan County Prince George County, Richmond, Surry County, and Sussex County.

Total Funding Level Requested:

Project Name: Accelerating Wireless Education for Capitol and Crater Regions (*AWE4CCR*)

Project Description and List of Credentials to be Developed and Awarded: The workforce of Central Virginia has been negatively affected by the prominence of foreign trade. This proposal seeks to create flexible, individualized career pathways for workers (particularly TAA-eligible workers and veterans) who need to be trained and back in the workforce when the unexpected happens. In cooperation with regional and national employers, AWE will employ the following strategies: (1) accelerate credential completion, (2) implement new models of instruction to enhance learning, (3) bolster online and technology-enabled learning, (4) build student supports, (5) increase employment engagement, and (6) implement apprenticeships. Credentials to be awarded include Wireless Technician I and II certificates, Associates of Science (various specialties), and Bachelors of Science (Engineering Technology or Information Logistics Technology).

Populations to be Served: TAA-eligible workers and veterans

Targeted Industry: Wireless Industry

Employer Partner(s): Advanced Engineering, American Tower, Black and Veatch, Community Wireless Structure, CH2DA, MUTI, Ronson Network Services, SBA, Virginia Wireless Association, Wigdahl Electric, Fullerton, Goodman Networks, Crown, Industrial Tower & Wireless LLC, Mas Tec, T-Mobile, JDH Contracting, Insite Wireless

Public Workforce System Partner(s): Crater Workforce Investment Board, Capitol Workforce Investment Board

Public Contact Information: Dr. Keith Williamson, Dean of School of Engineering, Virginia State University, (804)524-1141, kwilliamson@vsu.edu

Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased

Program Materials: Approximately 30% of program materials will be developed as open educational resources, and the remaining 70% will be licensed or purchased.

Data Tags: Accelerate Progress, Accelerated Learning, Self-paced Learning, Career Pathways, Competency-based Training, Contextualized Learning, Stackable Credentials, Technology Enabled Learning, Virtual Environments, Web-based Training, Degree Attainment, Earn and Learn, Industry-Driven Competencies, Industry-Recognized Credentials, Job Placement, Employer Partnership, Open Educational Resources, Blended Learning, Certificate Attainment, On-the-Job training, Online Teaching/Learning, Registered Apprenticeships, Skill Assessments

Project Abstract: Washington integrated Sector for Employment

1. Applicant Name: Centralia College

2. Applicant City/State: Centralia, WA

3. Consortium Members:

Centralia College (Lead)	Bates Technical College	Renton Technical College
Shoreline Community College	South Seattle Community College	Walla Walla Community College
Everett Community College	Green River Community College	

4. Areas Served by Grant:

Lewis County	King County	Snohomish County
Pierce County	Walla Walla County	

5. Total Funding Requested: \$9,994,854

6. Sub-totals Requested:

Centralia College	\$1,848,384	Renton Technical College	\$1,267,165
Everett Community College	\$1,415,776	Green River Community College	\$1,193,417
Shoreline Community College	\$1,223,141	Walla Walla Community College	\$1,220,667
South Seattle College	\$687,664	Bates Technical College	\$1,138,642

7. Project Name: Washington Integrated Sector Employment (WISE)

8. Project Description and List of Credentials

The Washington Integrated Sector Employment (WISE) Consortia brings together the manufacturing, clean energy, and construction sectors to create employment opportunities for TAA impacted workers and other participants. Using stacked and latticed credentials and pathways, the consortia seeks to accelerate the time for workers to return to employment in family wage jobs. Based on previous skills, gaps in education, and career interests, participants will find employment in technical customer service positions, skilled trade apprenticeships, or advanced manufacturing jobs.

Recognizing that the modern workforce requires constant learning, the consortium creates a lifelong learning loop for these workers to earn associate and bachelor degrees as they gain new industry experience. Additionally, the consortia will leverage the skills participants bring to the program by implementing competency based learning and prior learning assessments where possible.

9. Populations Served: TAA Eligible Workers, Veterans and Spouses, Women in non-traditional fields

10. Targeted Industries: Manufacturing (NAICS 32 and 33), Energy (NAICS 22) Construction (NAICS 23)

11. Employer Partners

Tacoma Power	Puget Sound Energy	Avista
City of Seattle	City of Tacoma	Royell Manufacturing
PTI Machining	Absher Construction	Spokane Home Builders
Veneer Chip Transport	AGC Apprenticeship Center	Pacific Northwest Economic Region
Aerospace Joint Apprenticeship Training Committee	Seattle King County Construction Trades Council	Northwest Laborers Employers Training Trust
Washington State Labor Council (AFL CIO)	Center for Energy Workforce Development	Dominos
CIMTECH	Emerald Cities	

12. Public Workforce Partners

Office of the Governor (WA)	Spokane WDC	Employment Security
Workforce Training and Education Board	Eastern Washington Partnership	Workforce Central
Workforce Central	Workforce Snohomish	

13. Other Key Partners: Regional Education and Training Center, Washington State University

14. Public Contact Information: Barbara Hins-Turner, Executive Director, Pacific Northwest Center of Excellence for Clean Energy, Centralia College, 360-736-9391 x477, bhins-turner@centralia.edu

15. Percentage of OER Program Materials Developed: 90%+ will be open source

16. Data Tags: manufacturing, competency based learning, prior learning assessment, apprenticeship, pre-apprenticeship, internships, clean energy, construction, lifelong learning, online learning, customer service, career pathways.

ATTACHMENT – ABSTRACT

1. Applicant Name: Clover Park Technical College

2. Applicant City/State: Lakewood, Washington

3. Consortium Members: Not applicable

4. Areas Served by Grant:

- **State:** Washington; **Counties:** Pierce, King; **Cities:** all cities in Pierce and King Counties including Lakewood, Tacoma, Renton, Fife, Federal Way, Auburn, Kent

5. Total Funding Request: \$2,499,973

6. Subtotal for Consortium: Not applicable

7. Project Name: *Connecting Competencies to Employers (C2E)*

8. Project Description: The *Connecting Competencies to Employers (C2E)* project will develop a core pathway into advanced manufacturing and industrial technology careers that can branch off into specialized areas that align with current and future industry demand. The core pathway (Mechatronics Technician) will provide a basis to integrate learning outcomes from adjacent advanced manufacturing career paths like Material Science and Manufacturing Technologies to create specialized certificates to fill projected employment gaps in high-wage, high-demand careers. The C2E project will develop a competency database that links employer-defined KSAs (Knowledge, Skills and Abilities) for a specific job to course competencies in the Mechatronics Technician degree program and linked certificates.

Credentials to be Developed and Awarded: The C2E project will create a pathway with stackable certificates that leads to an Associate's degree in Mechatronics Technician and will directly articulate into Clover Park Technical College's Bachelor of Applied Science – Manufacturing Operations degree.

9. Populations to be Served: Primary target recipients will be Trade Adjustment Act (TAA) impacted workers in Western Washington, concentrated in Pierce and adjacent counties. Secondary populations include long-term unemployed, incumbent workers and veterans/transitioning military.

10. Targeted Industry: Advanced manufacturing

11. Employer Partners: The Boeing Company, James Hardie Building Products, and Breed Production Tooling & Design LLC

12. Public Workforce System Partners: WorkForce Central, Washington State Labor Council

13. Other Key Partners: Association of Washington Business Institute (AWBI), Center for Advanced Manufacturing Puget Sound (CAMPS)

14. Public Contact Information: Bryan Powell, Coordinator of Grant Development, Clover Park Technical College, 253-589-5501, bryan.powell@cptc.edu

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 20% of program materials will be open educational resources, and the remaining 80% will be licensed or purchased.

16. Data Tags: Career Pathways, Certificate Attainment, Degree Attainment, Industry-Driven Competencies, Industry-Recognized Credentials, Job Placement, Contextualized Learning, Enhanced Student Services, Employer Partnership, Blended Learning, Retention, Technology Enabled Learning, Accelerate Progress, Digital Materials, Modular Curriculum

Project Abstract

- 1. Applicant Name:** Chippewa Valley Technical College (CVTC)
- 2. Applicant City/State:** Eau Claire, Wisconsin
- 3. Consortium Member(s) and Consortium Member State(s):** Blackhawk Technical College (BTC) (Janesville, WI), Fox Valley Technical College (FVTC) (Appleton, WI), Gateway Technical College (GTC) (Kenosha, WI), Lakeshore Technical College (LTC) (Cleveland, WI), Madison Area Technical College (MC) (Madison, WI), Mid-State Technical College (MSTC) (Wisconsin Rapids, WI), Milwaukee Area Technical College (MATC) (Milwaukee, WI), Moraine Park Technical College (MPTC) (Fond du Lac, WI), Nicolet Area Technical College (NATC) (Rhineland, WI), Northcentral Technical College (NTC) (Wausau, WI), Northeast Wisconsin Technical College (NWTC) (Green Bay, WI), Southwest Wisconsin Technical College (SWTC) (Fennimore, WI), Waukesha County Area Technical College (WCTC) (Pewaukee, WI), Western Technical College (WTC) (La Crosse, WI), and Wisconsin Indianhead Technical College (WITC) (Shell Lake, WI).
- 4. Areas Served by Grant:** State of Wisconsin: all cities and counties
- 5. Total Funding Level Requested:**
- 6. Sub-Total Requested Funding Amount by Consortium Member:** BTC (\$572,606), CVTC (\$4,592,510), FVTC (\$45,000), GTC (\$792,542), LTC (\$552,388), MC (\$1,212,953), MSTC (\$555,972), MATC (\$1,461,961), MPTC (\$641,776), NATC (\$461,531), NTC (\$668,328), NWTC (\$948,187), SWTC (\$528, 867), WCTC (\$740, 225), WTC (\$676,365), and WITC (\$593,789).
- 7. Project Name:** Advancing Careers and Training (ACT) for Healthcare
- 8. Project Description and List of Credentials to be Developed and Awarded:** ACT for Healthcare is a statewide project with participation from all 16 colleges in the Wisconsin Technical College System to develop, improve, and expand adult education training pathways to careers in healthcare related occupations. The following credentials will be developed and awarded: Allied Health Geriatrics Adv. Tech. Cert., BSN Preparation Cert., Central Service Technician, Dementia Care Adv. Tech. Cert., Dental Assistant Tech. Diploma, Dental Hygienist Associate Degree, Emergency Medical Technician, Geriatric Nursing Adv. Tech. Cert., Gerontology Certificate, Gerontology Associate Degree, Gerontology Specialist Cert. Embedded Tech. Diploma, Hazard Analysis and Critical Control Points (HACCP) Cert., Interventions to Reduce Acute Care Transfers (INTERACT) Cert., Laboratory Food Science Technician Diploma Embedded Tech. Diploma, Licensed Practical Nurse Tech. Diploma, Massage Therapy Assistant Tech. Diploma, Medical Assistant Tech. Diploma, Medical Coding, Medical Insurance Cert., Medical Office Receptionist Cert., Nursing Assistant, Nursing Associate Degree, Palliative Care Adv. Tech. Cert., Paramedic Technician Tech. Diploma, Paramedic to Nursing Associate Degree, Personal Care Worker to Certified Nursing Assistant, Pharmacy Services Management Associate Degree, Pharmacy Technician Tech. Diploma, Physical Therapist Assistant Associate Degree, Respiratory Therapy Technician Associate Degree, Substance Abuse Peer Specialist, and Surgical Technologist Tech. Diploma.

9. Populations to be Served: The target populations are TAA-eligible and other dislocated workers, Veterans, and adult learners.

10. Targeted Industry(s): Healthcare

11. Employer Partner(s): Agnesian HealthCare, Align LLC, Alzheimer's Association, Aspirus Senior Health, American Geriatrics Society, Aurora Health Care, Bellin Medical Group, Brentwood Senior Living, Inc., Brookside Care Center, Coulee Council on Addictions, Dove Healthcare West, East Troy Manor Skilled Nursing Facility, Fosnow Adult Family Homes, Fox Valley Workforce Development Board, Golden Living Center-Superior, Greater Green Bay Healthcare Alliance, Green County EMS, Inc., Holton Manor, Hospice Alliance, Interim HealthCare, Lutheran Homes of Oconomowoc, Marshfield Clinic, Mayo Clinic Health System, Meister Cheese Company, Memorial Medical Center, Mercy Health System, Meriter-UnityPoint Health, Milwaukee Health Services, Inc., Ministry Health Care, Ministry Medical Group, Monroe Clinic, Planned Parenthood, Prevea Health, ProHealth Care, Rennes Health and Rehab Centers, Riverview Medical Center, Rural Wisconsin Health Cooperative, Sacred Heart Hospital, Scenic Rivers Health Education Center, Shopko, St. Elizabeth Hospital, Stoney River Assisted Living and Rehab, Upland Hills Health Inc., UW Health, Zablocki Veterans Administration Medical Center.

12. Public Workforce System Partner(s): Department of Workforce Development, North Central Wisconsin Workforce Development Board (WDB), Milwaukee Area Workforce Investment Board (WIB), Northwest Wisconsin WIB, Southwest Wisconsin WDB, Walworth County WDB, West Central Wisconsin WDB on behalf of the Regional Healthcare Sector Alliance, Western Wisconsin WDB, Wisconsin Workforce Development Association, WDB of South Central Wisconsin, and Workforce Resource, Inc.

13. Other Key Partner(s): Wisconsin Technical College System, ARIS LLC, and Wisconsin Department of Veterans Affairs.

14. Public Contact Information: Margaret Dickens, Director of College Effectiveness, Chippewa Valley Technical College, 715-833-6419, mdickens@cvtc.edu.

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 90% of program materials will be developed as open educational resources, and the remaining 10% will be licensed or purchased.

16. Data Tags (up to 25): Accelerated Learning, Career Pathways, Cognitive Tutors, Competency-based Training, Contextualized Learning, Degree Attainment, Digital Materials, Employer Partnership, Enhanced Student Services, Game Design, Industry-Driven Competencies, Industry-Recognized Credentials, Job Placement, Learning Communities, Mentoring, Modular Curriculum, Open Educational Resources, Paid Internships, Retention, Simulations, Skill Assessments, Stackable Credentials, Technology Enabled Learning, Virtual Environments.

Heroes for Hire: Putting Experience to Work Consortium Project Abstract

1. **Applicant Name:** Mountwest Community and Technical College
2. **Applicant City and State:** Huntington, West Virginia
3. **Consortium Members and Consortium Member States:** Blue Ridge Community and Technical College, Martinsburg, West Virginia; Southern West Virginia Community College, Mt Gay-Shamrock, West Virginia
4. **Areas Served by Grant (City, county and state):** Cities: Martinsburg, g, Mt Gay-Shamrock, Huntington; Counties: Berkeley, Boone, Cabell, Clay, Jefferson, Kanawha, Lincoln, Logan, McDowell, Mason, Mingo, Morgan, Putnam, Wayne, and Wyoming. State: West Virginia
5. **Total Funding Level Requested:** \$9,461,288
6. **Sub-Total Requested Funding Amount by Consortium Member:** Blue Ridge Community and Technical College: \$2,382,632; Southern West Virginia Community College: \$1,677,724; Mountwest Community and Technical College: \$5,400,932 (includes individual program costs plus all administrative and indirect costs for the four years of the project)
7. **Project Name:** *Heroes For Hire: Putting Experience to Work*
8. **Project Description and List of Credentials to be Developed and Awarded:** *The Heroes For Hire: Putting Experience to Work* consortium will focus on improving student support services, cultivating a technology-based learning environment with a focus on professional development and pedagogy, and tailoring the use of Prior Learning Assessments for the target population to award college credit for previous work and military experience. Credentials to be developed and awarded in the Health Information Technology, Health Professions, Chemical Technology, and Geospatial Science and Technology career pathways include the following:

Heroes for Hire: Putting Experience to Work Consortium Project Abstract

<ul style="list-style-type: none"> • Associates of Applied Science: Health Information Technology; Chemical Technology; Health Science, Nursing concentration; Paramedic Science; Information Technology, Geospatial Science and Technology concentration • Certificate of Applied Science: Applied Science; Chemical Technology; Health Information Technology; Health Science; Certified Coding Specialist 	<ul style="list-style-type: none"> • Credentials: Patient Care Tech; EMT; Medical Billing and Coding; Certified Nurse Aide; EKG; Phlebotomy; Home Health Aide; ArcGIS Desktop; ArcGIS Desktop; ArcGIS Desktop Developer; Web Application Developer; Enterprise Geodatabase Management; Enterprise System Design; Enterprise Administration
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9. **Populations to be Served:** TAA-eligible and military service members and veterans, a TAA-like population
10. **Targeted Industries:** Health Care and Social Assistance (NAICS Code 62); Manufacturing (NAICS Code 31); and Professional, Scientific, and Technical Services (NAICS Code 54)
11. **Employer Partner(s):** Cabell County Planning Commission, Cabell-Huntington Hospital, Essroc Italcementi Group, Genesis Rehab Services, HealthNet Aeromedical Services, Logan Regional Medical Center, St. Mary's Medical Center, University Healthcare, Valley Health System, Huntington Regional Chamber of Commerce, Logan County Chamber of Commerce, and Martinsburg-Berkeley County Chamber of Commerce
12. **Public Workforce System Partner(s):** WorkForce West Virginia, West Virginia Trade Adjustment Assistance Unit; WorkForce West Virginia, Veteran's Services; South Western West Virginia Region 2 Workforce Investment Board; and the Region 7 Workforce Investment Board
13. **Other Key Partner(s):** Bridging the Gap, TAACCCT Round 3 grantee; BEACON, TAACCCT Round 1 grantee; American Legion, Post 16; Veterans of Foreign Wars, Post 9738
14. **Public Contact Information:** Sheanna Spence, Director of Development, Mountwest Community and Technical College; spences@mctc.edu; 304-710-3271
15. **Percentage of OER Program Materials Developed vs. Purchased Licensed Program Materials:** 80% vs. 20%
16. **Data Tags:** blended learning, career pathways, certificate attainment, competency based training, contextualized learning, degree attainment, digital materials, earn and learn, employer partnerships, enhanced course articulation, enhanced student services, industry-driven competencies, industry-recognized credentials, job placement, mentoring, modular curriculum, on-the-job training, online teaching/learning, open educational resources, retention strategies, self-paced learning, skill assessments, stackable credentials, technology enabled learning, virtual environments



Wyoming Energy Sector Technology

July 7, 2014

- (1) Applicant Name: Casper College
- (2) Applicant City/State: Casper, Wyoming
- (3) NA
- (4) Areas Served by Grant: State of Wyoming
- (5) Total Funding Level Requested: \$ 2,499,917.00
- (6) NA
- (7) Project Name: WEST-Wyoming Energy Sector Technology
- (8) Project Description and List of Credentials to be Developed and Awarded: The purpose of this project is to create an integrated energy program that addresses the workforce needs of Wyoming's energy industry in eight disciplines. The subject areas are welding, extractive technology, electronics technology, GIS (mapping and surveying), process technology, diesel power technology, geology, and renewable energy (specifically wind). The program will focus on meeting industry standards and enhancement of CC's current energy programs with the introduction of learning strategies such as technology-enabled learning, project-based learning, and learning communities. The program will also address recruitment, retention, and individual student needs through enhanced student services. Stacked and lattice career pathways will be introduced where appropriate. Successful students will earn a certificate or AAS degree. All of the programs can be completed in two years or less. Successful graduates can earn nationally recognized credentials in most of these fields. Two cohorts of 40 unique individuals each will be trained (total 80 participants).
- (9) Population to be Served: TAA eligible adults, veterans, unemployed and underemployed, low-income, and workers who have been injured and return to school to retrain in another field of the energy industry.

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- (10) Targeted Industry: Mining, Quarrying, and Oil and Gas Extractive Industry (NAICS 21) and related employment opportunities.
- (11) Employer Partners: Halliburton, Pepper Tank and Contracting CO, Esri, and Automation Electronics
- (12) Public Workforce System Partner: State of Wyoming, Department of Workforce Services
- (13) Other Key Partners: NA
- (14) Public Contact Information: Katie McMillan, CC Grants Coordinator, 307-268-2488, kmcmillan@caspercollege.edu, 125 College Drive, Casper, WY 82601-4612
- (15) Percentage of OER Program Materials Developed V Percentage of Licensed or Purchased Program Materials: Approximately 40% of program materials will be developed as open educational resources. The remaining 60% will be purchased.
- (16) Data Tags: Accelerated Progress, Career pathways, Certificate Attainment, Competency-based Training, Degree Attainment, Developmental Education, Digital Materials, Employer Partnership, Enhanced Student Services, Industry-Driven Competencies, Job Placement, Learning Communities, Mobile Devices, Retentions, Retention Strategies, Simulations, Skill Assessments, Stackable Credentials, Technology Enabled Learning, Virtual Environments, Web-based Training, Job Shadowing