

Attachment 1: Project Abstract

1. **Applicant Name:** South Arkansas Community College (consortium applicant)
2. **Applicant City/ State:** El Dorado, AR
3. **Consortium Members and Consortium Member States:** College of the Ouachitas; Malvern, AR, (2) Cossatot Community College of the University of Arkansas; De Queen, AR, (3) National Park Community College; Hot Springs, AR, (4) Rich Mountain Community College; Mena, AR, (5) Southern Arkansas University Tech; Camden, AR, and (6) University of Arkansas Community College at Hope; Hope, AR.

4. Areas Served by Grant

State: AR. Counties: Ashley, Bradley, Calhoun, Chicot, Clark, Cleveland, Columbia, Dallas, Drew, Garland, Grant, Hempstead, Hot Spring, Howard, Lafayette, Little River, Miller, Montgomery, Nevada, Ouachita, Perry, Pike, Polk, Saline, Scot, Sevier, Union, Yell

5. Total Funding Level Requested: \$8,419,390

6. Sub-Total Requested Funding Amount by Consortium Member

South Arkansas Community College: \$3,904,256

College of the Ouachitas: \$1,801,912

Cossatot Community College of the University of Arkansas: \$450,000

National Park Community College: \$1,003,800

Rich Mountain Community College: \$300,000

Southern Arkansas University Tech: \$417,800

University of Arkansas Community College at Hope: \$541,622

7. **Project Name:** South West Arkansas Community College Consortium: Re-Engineering Employer Engagement

- 8. Project Description and List Credentials to be Developed and Awarded:** South West Arkansas is among the poorest regions of the country - a place where poverty and unemployment are endemic. This proposal seeks to ignite the untapped potential of the region's employers to widen postsecondary access channels and drive even more postsecondary educational attainment. In partnership with regional manufacturing employers, three strategies are pursued: (1) Engage regional employers in sector partnerships to enhance one or more sets of stacked and latticed credentials, (2) Significantly leverage employers to integrate "in-plant" work-based learning opportunities into systems of stacked and latticed credentials, and (3) Enhance student advisement and career counseling systems in partnership with employers. Credentials to be awarded include non-credit and credit certificates, associate degrees, and industry-certified credentials.
- 9. Populations to be Served:** TAA-eligible workers, veterans, long-term unemployed, adults
- 10. Targeted Industries:** Advanced Manufacturing
- 11. Employer Partners:** Flakeboard, Domtar Industries, Berry Plastics Corp., Evraz Stratcor, Sterling Machinery, Brodix, El Dorado Chemical, Great Lakes Solutions, Clean Harbors, Georgia-Pacific, Martin Operating Partnership, Excalibur Transportation, Temple Inland
- 12. Public Workforce System Partners:** Western Arkansas Workforce Investment Area; West Central Arkansas Workforce Investment Area; Southeast Arkansas Workforce Investment Area; Southwest Arkansas Workforce Investment Area.
- 13. Other Key Partners:** TAACCCT projects (Mid-South Community College, Pathways to Accelerated Completion and Employment); Council for Adult and Experiential Learning
- 14. Public Contact Information:** Cynthia Reyna, Director of Institutional Advancement and Foundation, South Arkansas Community College, 870.864.7130, creyna@southark.edu.

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

Purchased Program Materials: Approximately 85 percent of program materials will be developed as open educational resources, and the remaining 15 percent will be purchased.

16. Data Tags: Accelerated progress, assessment, career pathways, certificate attainment, degree attainment, employer partnership, industry-driven, industry-recognized credentials, online, simulations, technology-enabled learning, sector partnership, stackable credentials

Project Abstract

1. Applicant Name: Long Beach City College (single institution applicant)

2. Applicant City/State: Long Beach, California

3. Single Institution Project Option: Single Institution Option #2: Work-based training opportunities.

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

State: California **Counties:** Los Angeles, Orange **Cities:** Bell Gardens, Bellflower, Carson, Cerritos, Compton, Cudahy, Downey, El Segundo, Gardena, Hawaiian Gardens, Hawthorne, Hermosa Beach, Inglewood, La Habra Heights, La Mirada, La Puente, La Verne, Lakewood, Lomita, Long Beach, Lynwood, Manhattan Beach, Norwalk, Palos Verdes Estates, Paramount, Rancho Palos Verdes, Redondo Beach, Santa Fe Springs, Signal Hill, South El Monte, South Gate, Torrance, Wilmington; Buena Park, Cypress, Fountain Valley, Garden Grove, Huntington Beach, La Habra, La Palma, Los Alamitos, Orange, Santa Ana, Seal Beach, Stanton, Villa Park, Westminster.

5. Total Funding Level Requested: \$2,750,000

6. Sub-Total Requested Funding Amount by Consortium Member: Not applicable

7. Project Name: Alternative Pathways to Engineering Education and Careers

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

Long Beach City College (LBCC) proposes to deliver alternative pathways to engineering education and careers, by expanding existing programs with skills competencies, incorporating online virtual simulation and labs, building on a proven model from a Round 2 TAACCT project, enhancing curriculum with employers' input, and creating stacked and latticed credentials that lead to associate degrees in engineering technology and electrical technology. The proposed project is in response to the re-education needs of our displaced, TAA-eligible worker, and the specific training needs of our industry partners – Boeing, Oceaneering International, Pacific Maritime Association (PMA), and TABC Inc.

Challenge and Opportunity – Southern California is home to major employers and companies in the Construction, Manufacturing, Transportation and Warehousing, and Professional, Scientific and Technical Services industry sectors, with much of business activities linked to the Ports of Long Beach and Los Angeles, two major economic engines of the region. Employers have expressed having a shortage of trained skilled technicians to fill their open jobs, and some employers such as Boeing, have repeatedly approached LBCC to revitalize its engineering

Project Abstract

technology program to produce more skilled technicians, and transfers to 4 year engineering programs at nearby California State Universities, Long Beach, Los Angeles, and Dominguez Hills. Other employers needs in the region necessitates that LBCC realign curriculum to address skills and competencies for manufacturing operations jobs.

In the past two years, LBCC has been working on restructuring enrollment and student support models to increase student success and completion. These foundational changes have allowed us to now focus on reconfiguring and building programs that directly lead to jobs in demand in the region.

Alternate Engineering Education Pathways

LBCC will utilize the proven and successful model created by Edmonds Community College (Edmonds CC) in Washington (in partnership with Boeing and 180 Skills), a consortium member of the Wichita Area Technical College's National Aviation Consortium (NAC) awarded in TAACCCT Round 2. LBCC's proposed project will utilize existing online modules created by 180 Skills for Edmond CC to build a core technical training program delivered online to provide basic foundational technical knowledge and skills to TAA eligible participants, veterans, students and incumbent workers, and to increase progression to engineering education pathways that lead to internships and jobs identified by the employer partners.

Core Technical Foundational Training (online & Credit-by-Exam option): Blueprint Reading Fundamentals, Introduction to Electricity, Introduction to Safety, Measurement Basics and Precision Instruments, Tools and Machine Safety.

Core Certificates (18 – 21 units) leading to careers and AS Degrees: Electrical Technology, Engineering Technology, and Mechanical Maintenance Technology.

Specialty Certificates (18 – 21 units) leading to careers and AS Degrees: AutoCAD Professional, CATIA or Solidworks Professional, Manufacturing Technology, and Remote-Operated Vehicles (ROV).

AS Degrees: Engineering Technology, Electrical Technology

The project goals and outcomes are to:

- Address gaps in curriculum and design programs and training to that allow students to complete in a shorter timeframe, leading to jobs
- Create a model that increases student success and completion utilizing predictive analytics, remedial (Math) and intervention methods that can be adopted institution wide

Project Abstract

- Introduce new modes of online delivery that allow students to complete at their own pace, and accelerate program completion for adult learners and incumbent workers
- Expand employer engagement to increase internship and job placement rates of LBCC students
- Professional development for faculty to incorporate new approaches to enhancing employer engagement in curriculum reviews and updates, and deploy new approaches to program delivery

9. Populations to be Served: TAA-eligible workers, incumbent workers, veterans, students, unemployed and under employed.

10. Targeted Industry(s): Aerospace and automobile manufacturing, Engineering, Technical and Professional Services, and other industries.

11. Employer Partner(s): Boeing Company, Oceaneering International, Pacific Maritime Association, and TABC.

12. Public Workforce System Partner(s): Pacific Gateway Workforce Investment Network (PGWIN - local WIB and One-Stop Career Center) and State Employment Development Department (EDD).

13. Other Key Partner(s): Round 2 TAACCCT Grantee – Edmunds Community College, 180 Skills (vendor partner with Edmunds CC), RP Group (External Evaluators).

14. Public Contact Information: Lou Anne Bynum, Executive Vice-President, College Advancement and Economic Development, Long Beach City College. (562) 938-5015. Lbynum@lbcc.edu.

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

16. Data Tags (up to 25, see table below): Accelerated Learning, Alternative Education Pathways, Blended Learning, Career Pathways, Competency-based Training, Certificate Attainment, Paid Internships, Degree Attainment, Employer Partnership, Enhanced Courses, Industry-Driven Competencies, Job Placement, Job Retention, On-the-job Training, Online Teaching/Learning, Open Educational Resources, Personalized Instruction, Retention Strategies, Skill Assessments, Stackable Credentials, Web-based training, Virtual Environments.

Project Abstract

1. Applicant Name: Los Angeles Trade-Technical College (consortium applicant)

2. Applicant City/State: Los Angeles, CA

3. Consortium Members: Los Angeles Trade-Technical College, Los Angeles City College, East Los Angeles College, Los Angeles Harbor College, Los Angeles Mission College, Pierce College, Los Angeles Southwest College, Los Angeles Valley College, West Los Angeles College

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

State: California **Counties:** Los Angeles County **Cities:** The City of Los Angeles

5. Total Funding Level Requested:

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

Consortium College
Los Angeles Trade-Technical College
Los Angeles City College
East Los Angeles College
Los Angeles Harbor College
Los Angeles Mission College
Pierce College
Los Angeles Southwest College
Los Angeles Valley College
West Los Angeles College

7. Project Name: *The Los Angeles Healthcare Competency to Career Consortium (LA H3C)*

8. Project Description and List of Credentials to be Developed and Awarded: The *LA H3C* is a multi-college consortium project among all nine colleges that comprise the Los Angeles Community College District. A consortium of the community colleges, trade impacted companies, sector intermediaries, the workforce system, and employers in the healthcare industry sector will join forces to create an innovative training model for trade-impacted workers and other long-term unemployed in the Greater Los Angeles area. The primary focus of the project will be to build upon the progress of prior year TAACT grant projects to develop competency-based, stacked and latticed programs of study, including a common foundation credential, certificates of achievement, and A.A./A.S. degrees related to the health science professions.

Competency Specialty	Credentials to Be Awarded (New, Existing, Expanding, Strengthening)
1. <i>*Athletic Training and Sports Medicine</i>	Certificate (<i>New</i>)

2. <i>Community Health Aides (certified nurse assistants, *geriatric care technicians, *patient navigators, etc.)</i>	Certificates (<i>New and Expansion</i>)
3. <i>Dental Technician</i>	Associate Degrees (<i>Expansion</i>)
4. <i>Emergency Medical Technician</i>	National Registry Cert. (<i>Expansion</i>)
5. <i>Health Information Technology (coding specials, medical billing, medical office assistants, etc.)</i>	Associate Degrees and Certificates (<i>Expansion</i>)
6. <i>Medical Assistant</i>	Credential: Cal. Health Dept. Certification (<i>Expansion</i>).
7. <i>*Medical Lab Technician (including Sterile Processing Technician)</i>	Associate Degree (<i>New</i>)
8. <i>Pharmacy Technician</i>	Certificate (<i>Strengthening</i>)
9. <i>Radiological Technician</i>	Certificate (<i>Strengthening</i>)
10. <i>Registered Nursing (including LVN to RN bridge programs)</i>	Associate Degree-Nursing (<i>Strengthening</i>)
11. <i>Respiratory Therapy</i>	Certificate/Associate Degree (<i>Strengthening and Expanding</i>)

*new programs

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

10. Targeted Industry(s): Health Sciences, Allied Health, Nursing and Health Information Technology

11. Employer Partner(s):

1. Achievable Clinic
2. AltaMed
3. American Diabetes Association
4. The Community Clinic Association of L.A. (51 clinics, 176 primary care sites)
5. Children's Hospital Los Angeles
6. Los Angeles Trust for Children's Health
7. Hospital Association of Southern California
8. UCLA Ronald Reagan Medical Center
9. UCLA Health
10. CareMore
11. Kaiser Permanente
12. South Central Family Health Center
13. Southside Coalition of Community Health Centers (7 clinics)
14. St. Vincent Medical Center
15. Monterey Park Hospital

12. Public Workforce System Partner(s): Los City Workforce Investment Board, South East Los Angeles County Workforce Investment Board (SELACO) and Managed Career Solutions (MCS), which operates ten American Job Centers.

13. Other Key Partner(s): Round 1 TAACCCT Grantee, Cincinnati State Technical and Community College's H2P; Round 2 TAACCCT grantee Northern Virginia Community College's "Credentials to Career" Program; Los Angeles Area Chamber of Commerce; Twenty Million Minds Foundation; Community College

Consortium for Open Resources; LA B Sync; The Allied Health Workforce Pipeline Project; Southside Coalition of Community Healthcare, Community Clinic Association of Los Angeles County, and the Hospital Association of Southern California.

14. Public Contact Information: Leticia Barajas, Vice President of Academic Affairs and Workforce and Economic Development, Los Angeles Trade-Technical College, (213) 763-7385, barajal@lattc.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, see table below): accelerated learning, certificate attainment, degree attainment, open educational resources, stackable credentials, web-based training, industry-driven competencies, industry-recognized credentials, career pathways, competency-based training, on-line teaching/learning, web-based training, technology-enabled learning, common core curriculum,

Project Abstract

1. **Applicant Name:** MiraCosta Community College District (Single Applicant)

2. **Applicant City/State:** Oceanside, California

3. **Single Institution Project:**

Option #1: Leveraging Previously-Funded TAACCCT Projects

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

Cities: Oceanside, Bonsall, Carlsbad, Cardiff, Del Mar, Encinitas, Escondido, Fallbrook, Poway, San Marcos, Rancho Bernardo, Solana Beach, Vista. **County** of San Diego, **State** of California

5. **Total Funding Level Requested:**

6. **Sub-Total Requested Funding Amount by Consortium Member:** Not applicable

7. **Project Name:** Technology Career Institute (TCI)

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

MiraCosta College will develop a comprehensive training facility that will prepare, through fast-track training, Trade Adjustment Assistance (TAA) participants, returning veterans, the unemployed, and other non-traditional learners for high-wage, high-skill employment. Training will respond to critical industry demand for workers capable of advancing in the modern industrial high tech environment within local manufacturing, maritime technology, and biotech manufacturing industries. The Technology Career Institute will be located in the northern portion of San Diego County.

TCI will expand MiraCosta College's successful industry-recognized machinist certificate program, and create industry-recognized electronics engineering and robotics/automation certificate programs. MCC will work with industry to create an accelerated training approach that quickly trains qualified workers, increases student retention rates and connects participants with jobs much more quickly than a traditional training program. Within 12 weeks, TCI participants will have a credential that will help them find a job and move up a career ladder in their chosen field. Courses in certificate

programs may also articulate toward credit technical certificates and associate degree programs in defined subject areas.

Certifications will include a National Career Readiness Certificate, International Society of Automation Certification, Electronics Technicians Association Certification, National Institute for Metalworking Skills (NIMS) Certification, and OSHA 10 Certification. Key project outcomes will include:

1. TCI will enroll 695 participants, helping 627 complete training, and award 780 credentials.
2. TCI will lead to a projected 615 participants being placed in full-time employment.
3. TCI will help TAA workers, veterans and others upgrade or increase job skills, and obtain a credential in 12 weeks or less. Participants will quickly be able to obtain a credential that will qualify them for good paying jobs and will have opportunities to build upon those skills.
4. TCI will develop accelerated career training modules that are stacked, latticed and articulated.
5. TCI's accelerated training will be aligned with and responsive to industry needs.
6. TCI will provide currently employed workers with the educational opportunities, work experience and internships that will allow them to acquire and/or enhance existing workplace skills and knowledge.
7. TCI will help participants find and retain jobs, and advance along their chosen career pathway.
8. Employers will hire trained TCI workers that respond to regional industry needs.
9. **Populations to be Served:** TAA-eligible workers, veterans, the unemployed, underemployed, displaced workers, incumbent workers.
10. **Targeted Industry(s):** High-Tech Manufacturing, Maritime Technology, Biotech Manufacturing
11. **Employer Partner(s):** Alphatec Spine, CA Metals, California Manufacturing Technology Consulting, DIG Corp., RNG Precision, Solar Turbines, SW Green, Waterjet West.
12. **Public Workforce System Partner(s):** Local TAA Agency, San Diego Workforce Partnership (WIB), North County Coastal Career Center.

- 13. Other Key Partner(s):** Round One and Two TAACCCT grantees, North County Small Business Development Center, Interfaith Community Services, SD North Economic Development Council, Veterans 360 and Marine Corps, Camp Pendleton.
- 14. Public Contact Information:** Linda Kurokawa, Director of Community Services and Business Development, (760)795-6824, lkurokawa@miracosta.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 (up to 25):** Accelerated Progress, Accelerated Learning, Assessment Technology, Basic Skills, Blended Learning, Block scheduling, Career Pathways, Certificate Attainment, Cognitive Tutors, Competency-based Training, Contextualized Learning, Employer Partnership, Hands-on Learning Labs, Immersion Training, Industry-Driven Competencies, Industry-Recognized Credentials, Modular Curriculum, On-the-Job training, Personalized Instruction, Retention Strategies, Simulations, Skill Assessments, Stackable Credentials, Technology Enabled Learning.

Saddleback College: Trade Adjustment Assistance Community College & Career Training Grant
Orange County Health Care Career Transitions (OCHC²T) *Fast Track to Success*

PROJECT ABSTRACT

1. Applicant Name: Saddleback College

2. Applicant City/State: Mission Viejo, California

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

Single Institution Project

Option #3 Innovative Technology Enhancements that Support Program Acceleration

4. Areas Served by Grant (by city, county, and state): This grant will serve all cities, towns, and municipalities primarily in Orange County but also within the region including Los Angeles, Riverside, San Bernardino, and San Diego. The grant will primarily serve the state of California.

5. Total Funding Level Requested: \$2,749,999

6. Sub-Total Requested Funding Amount by Consortium Member (as applicable): Not Applicable

7. Project Name: Orange County Health Care Career Transitions (OCHC²T) “Fast Track to Success”

8. Project Description and List of Credentials to be Developed and Awarded: Continued growth in healthcare, along with the promise of high-wage, high-skill jobs, is leading to increased opportunities in the field of allied health. “Fast Track to Success” will prepare dislocated and TAA affected workers for transition to meaningful employment in high demand allied health careers. This project will enhance and streamline existing allied health training programs and develop new programs to respond to emerging career opportunities resulting from the Affordable Care Act.

The Orange County Health Care Career Transitions (OCHC²T) program will deliver an innovative Health Career Readiness program and utilize cutting-edge technology to streamline and enhance allied health training programs. The Health Career Readiness program will address sector specific basic skills through a contextualized approach to medical mathematics, professional communication, medical terminology, critical thinking, career transition planning, and study skills to enhance student success and improve retention and reduce time to completion of training. The health career readiness component will be available through traditional face-to-face methods as well as online, self-paced, modular instruction.

In order to address unmet and projected needs of employers, *Fast Track to Success* will develop programs and provide credentials and certificates in three healthcare areas: I) Pathways to High Paying Jobs (Stepped Certificates); II) Emerging Roles in the Wake of Accountable Care; and 3) Top of Practice skills for Incumbent workers.

I. Stepped Certificates: These stepped certificates provide career pathways to high-paying jobs. Existing programs will be enhanced through the implementation of hybrid and online methods of instruction that will improve program efficiency and increase student access to the training programs. These programs will also be streamlined through articulation agreements with regional high schools, Regional Occupation Programs (ROPs), and four-year institutions. Veterans who meet program criteria will be provided with priority acceptance into the college’s nursing program, and

qualified veteran students will receive assistance with licensure exam preparation and transfer. Credentials to be developed and awarded include: 1) Administrative Medical Assistant; 2) Phlebotomist; 3) Certified Coder; 4) Licensed Vocational Nurse; 5) Associate's Degree in Nursing; 6) Associate's Degree Health Information Technology; 7) Associate's Degree Medical Laboratory Technology.

- II. Emerging Roles for New Entrants: Recent legislation such as the Patient Protection and Affordable Care Act, the HITECH Act, the Health Insurance Portability and Accountability Act, and ICD-10 is driving massive changes in the fields of care delivery and health information technology. A number of new accountable care roles have been identified, such as health coaches, home health aides, chronic care and co-morbidity chronic care coordinators. Community-based (not-for-credit) programs will be developed and implemented for these emerging healthcare career opportunities. Specific credentials to be awarded will be validated through input from employer partners but are anticipated to include 1) Health Coach; 2) Home Health Aide; 3) Disease Specific Chronic Care Coordinator; 4) Co-Morbidity Chronic Care Coordinator.
- III. Skills Upgrades for Incumbent Workers: As a result of the recent legislation, licensed care providers will need to obtain additional skillsets in order to be able to do more within their scope of practice. The skills in demand include soft skills such as leadership and critical thinking as well as targeted clinical refreshers in dozens of skills. Top-of-license practice roles include inter-professional team leader positions as well as cross-trained providers in health information technology. Specific credentials to be awarded will be validated through input from employer partners but are anticipated to include 1) Chronic Disease Specialist; 2) Electronic Medical Records Implementation 3) Clinical Mobile Apps Specialist; and 4) Accountable Care Project Manager.

While these new programs will initially be implemented at the main campus of Saddleback College, they will ultimately be based at the \$107 million Advanced Technology and Education Park on 68 acres of a repurposed Marine Corps Air Station in Tustin, California. This South Orange County Community College District project will include a Center for Innovation in Healthcare Education which will provide training for TAA-eligible workers and other adults throughout the region.

This project contains the following core elements:

- 1) Evidence-based design: The design of this project is based upon research pointing to a need for contextualized basic skills education for persons entering an allied health training program as well as educational research previously conducted by program faculty which validates the effectiveness of the technology enabled learning tools that will be developed and deployed.
- 2) Stacked and Latticed Credentials: The design of this project recognizes that health care employers do not need workers with advanced degrees as much as they need licensed health care workers to address gaps in preparation and broaden their skills. This project is designed to provide appropriate career ladders for both new entrants and incumbent workers in allied health.
- 3) Transferability and Articulation of Credit: Saddleback College has a number of articulation agreements already in place for programs that will be delivered by this project. Additional articulation opportunities will be investigated including the acceptance of military training to fulfill program requirements, articulation of program with regional high schools and ROPs, and articulation with four-year public and private colleges and universities.
- 4) Advanced Online and Technology-Enabled Learning: All credit-bearing programs that will be delivered through this project will be available either in a hybrid format or fully online. Winners of the Sloan Consortium Award for Excellence in Online Learning will lead the development of online and technology-enabled programs.

- 5) **Strategic Alignment:** This project is designed in complement with the California Community College Chancellor's Office initiative, "Doing What Matters for Jobs and the Economy" and is responsive to the training needs identified by the Education Advisory Board as well as local and regional workforce and economic data and information.
- 6) **Alignment with Previously-Funded TAACCCT Projects:** This project will be in alignment with previously-funded TAACCCT projects that are actively collaborating with Creative Commons, Carnegie Mellons's Open Learning Initiative, CAST, and the Washington State Board for Community and Technical Colleges.

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

10. Targeted Industry(s): Allied Health

11. Employer Partner(s): The employer partners who provided Letters of Commitment for this project include: St. Joseph's Health (Mission Hospital Regional Medical Cenetr), Children's Hospital of Orange County, Fountain Valley Regional Hospital and Medical Center. Additionally, the college has approximately 550 signed contracts with existing employers to provide training, internship, experiential, on the job training sites, and employment. Some of these employers include: Advanced Breast Care Specialist of Orange County (OC), Advanced OB/GYN and Fertility, Anaheim Regional Medical Center, HOAG Hospital, Anaheim Hills Surgery Center, Children's Hospital of Orange County, College Hospital, Huntington Hospital, Kaiser Hospital, Long Beach Memorial Hospital, Los Alamitos Medical Center, Mission Hospital, Orange Coast Memorial Medical Center, OC Orthopedic Surgery Ctr., Saddleback Memorial Medical Center, San Clemente Medical Ctr., St. Joseph Hospital of Orange, UCI Medical Center.

12. Public Workforce System Partner(s): Santa Ana Workforce Investment Board, Orange County Workforce Investment Board, Orange County Business Council, Health Workforce Initiative, Coastline Regional Occupational Program.

13. Other Key Partner(s): Other TAACCCT-funded agencies that are providing training within the allied health industry and/or those that are using innovative online tools to improve basic skills remediation and contextualized basic skills in career training programs. Key partners include Vital Link and will also likely include the Community College of Rhode Island whose *PACE* program is focused on health care, as well as Tidewater Community College, which is working on MOOCs and other online applications.

14. Public Contact Information: Roxanne Metz, Grants Manager, Saddleback College, (949) 582-4824, Rmetz@Saddleback.edu

15. 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, and the remaining 20% will be licensed or purchased.

16. Data Tags: Accelerated Learning, Articulation, Assessment Technology, Career Pathways, Certificate Attainment, Competency-based Training, Contextualized Learning, Degree Attainment, Employer Partnership, Enhanced Student Services, Game Design, Industry Driven, Competencies, Industry Recognized Credentials, Job Placement, Mentoring, Mobile Devices, Modular Curriculum, On the Job Training, On-line Teaching/Learning, Paid Internships, Real-time Online Interactions, Self-paced Learning, Skill Assessments, Stackable Credentials, Technology Enabled Learning

Project Abstract

1. Applicant Name: Front Range Community College (FRCC)

2. Applicant City/State: Westminster, Colorado

3. Consortium Members: Aims Community College (Greeley); Community College of Denver (Denver); Emily Griffith Technical College (Denver); Lamar Community College (Lamar); Pikes Peak Community College (Colorado Springs); Pueblo Community College (Pueblo); Red Rocks Community College/Warren Tech (Lakewood); and Metropolitan State University of Denver (Denver).

4. Areas Served by Grant (by city, county and state): State: Colorado **Counties:** Adams, Bent, Arapahoe, Boulder, Broomfield, Clear Creek, Crowley, Denver, Douglas, El Paso, Gilpin, Jefferson, Kiowa, Larimer, Park, Prowers, Pueblo, Teller and Weld. **Cities:** Arvada, Ault, Boulder, Brighton, Colorado Springs, Denver, Eaton, Evans, Ft. Collins, Ft. Lupton, Greeley, Lakewood, Lamar, Longmont, Loveland, Pueblo and Westminster.

5. Total Funding Level Requested:

6. Sub-Total Requested Funding Amount by Consortium Members: Front Range

Community College, Aims Community College Community College of
Denver Emily Griffith Technical College Lamar Community College
 Pikes Peak Community College Pueblo Community College
 Red Rocks Community College/Warren Technical College and
Metropolitan State University

7. Project Name: Colorado Helps Advanced Manufacturing Program (CHAMP)

8. Project Description, Credentials to be Developed/Awarded: CHAMP's partners will increase the attainment of manufacturing degrees and certificates that align with the industry's

recognized competencies, skills and certifications to create a pipeline of highly-qualified advanced manufacturing industry workers. CHAMP will redesign credit for prior learning allowing TAA-eligible students to accelerate toward degree and credential attainment. The colleges will add industry-driven content to the manufacturing program and redesign several courses for online/hybrid delivery. The following certificate and degree credentials will be developed/enhanced: basic manufacturing; certified production technician; industrial maintenance; CNC machining; basic machining; manual machining; inspection; intermediate machining; NIMS (National Institute for Metalworking Skills) Levels I, II and III; MAC/CAD; manufacturing quality control Levels I, II and III; Swiss Turn; 5-Axis; Fast track; Level 1 SMAW; Level 2 GTAW; Level 3 Pipe; shield metal arc welding; gas tungsten arc welding; 3D printing/additive manufacturing; machining/CAD; ELT/CAD; engineering graphics basic mechanical; engineering graphics intermediate mechanical; electro-mechanical; and supervision in industry.

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

10. Targeted Industries: Advanced manufacturing

11. Employer Partners: CHAMP includes 28 employer partners. They are: Aerotek; Accu-Precision Tool and Gauge, LLC.; Airgas; Alfred Manufacturing; Atlas Pacific Engineering Company; Barber-Nichols, Inc.; EVRAZ; Faustson Tool Corporation; GeoTech Environmental Equipment, Inc.; GCC Rio Grande (Grupo Cementos de Chihuahua- USA); Ingram Machining, Inc.; Intrex Aerospace; JPM Prototype & Mfg. Co.; Krage Manufacturing; Leprino Foods; Manes Machine and Engineering Company; Metalcraft Industries; MillerCoors; Mountainside Medical Colorado, LLC; Quantum; SEMCO; St. Vrain Manufacturing; Stacy Machine and

Tooling, Inc.; Techniques Swiss, LLC; Trane; Vestas Towers America, Inc.; Whip Mix Corporation; and Woodward.

12. Workforce Partners: The Colorado Workforce Development Council, a division of the Colorado Department of Labor and Employment, will ensure the strategic alignment between career pathways and sectors, and across all major workforce center partners. The public workforce center partners are: Adams, Arapahoe-Douglas, Boulder, Denver, Larimer, Pikes Peak, Pueblo, Southeast, Tri-County and Weld.

13. Other Key Partners: The Council for Adult and Experiential Learning will build an interactive manufacturing career map, develop a new assessment to measure an individual's mastery of content, and redesign the way the consortium institutions award credit for prior learning. The Colorado Advanced Manufacturing Alliance will convene employers in statewide quarterly meetings to share the industry's perspective with CHAMP.

14. Public Contact Information: Stacey L. Hogan, Ph.D. Executive Director of Strategic Planning and Resource Development, Front Range Community College, (970) 204-8622, Stacey.Hogan@frontrange.edu

15: Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Materials: Approximately 90% as open 10% will be licensed or purchased.

16. Data Tags: 1. Assessment technology; 2. Blended learning; 3. Career pathways; 4. Certificate attainment; 5. Competency-based training; 6. Contextualized learning; 7. Degree attainment; 8. Employer partnership; 9. Enhanced course articulation; 10. Enhanced student services; 11. Industry-driven competencies; 12. Industry-recognized credentials; 13. Job placement; 12. Online teaching/learning; 13. On-the-job Training; 14. Open educational resources; 15. Registered apprenticeships; 16. Retention; 17. Retention strategies; 18. Skill assessments; 19. Simulations; 20. Stackable credentials; 21. Technology-enabled learning; and 22. Web-based Training.

Project Abstract

1. **Applicant Name** Broward College (Lead consortium applicant)

2. **Applicant City/State:** Fort Lauderdale, FL

3. **Consortium Member(s) and Consortium Member State(s):** St. Petersburg College, St. Petersburg, FL; Florida State College at Jacksonville, Jacksonville, FL; Northwestern University, Chicago, IL; Long Beach Community College, Long Beach, CA; Georgia Institute of Technology, Atlanta, GA; Harper College, Palatine, IL; Rutgers University, Newark, NJ; Essex County College, Newark, NJ; Union Community College, Cranford, NJ; Columbus State Community College, Columbus, OH; San Jacinto Community College, Pasadena, TX

4. **Areas Served by Grant (by city, county, and state):** Ft. Lauderdale, Broward County, FL; St. Petersburg, Pinellas County, FL; Jacksonville, Duval County, FL; Palatine, Cook County, IL; Pasadena, Harris County, TX; Long Beach, Los Angeles County, CA; Newark, Essex County, NJ; Cranford, Union County, NJ; Columbus, Franklin County, OH

5. **Total Funding Level Requested:**

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

Broward College (Lead Applicant)
Columbus State Community College, Columbus, OH
Essex County College, Newark, NJ
FL State College at Jacksonville, Jacksonville, FL
Georgia Institute of Technology, Atlanta, GA
Harper College, Palatine, IL
Long Beach CC, Long Beach, CA
Rutgers University, Newark, NJ
San Jacinto Community College, Pasadena, TX
St. Petersburg College, St. Petersburg, FL
Union Community College, Cranford, NJ
Northwestern University, Chicago, IL

7. **Project Name:** Leveraging, Integrating, Networking, Coordinating Supplies (LINCS) in Supply Chain Management (SCM)

8. **Project Description and List of Credentials to be Developed and Awarded:** The LINCS Consortium will develop a set of eight stackable and latticed credentials that will provide workers with skills suitable for entry and middle level employment in supply chain management. Program content will be delivered through traditional, hybrid and on-line instruction. Industry approved internships, apprenticeships and on-the-job training will be included. The eight newly created industry recognized certifications will be based on an evidence-based design endorsed by the Council of Supply Chain Management Professionals.

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

10. **Targeted Industry(s):** Supply Chain Management

11. Employer Partner(s): AFLCIO, Florida; Southern Wine & Spirits of America, Inc., Florida; Tech Data, Florida; BIC Advertising Promotional Products, Florida; Burriss Logistics, Florida; BayCare Health System, Florida; Trade Facilitators, Inc., California; Sea Cargo, Inc., California; UPS, Illinois; Northrup Grumman Corporation, Illinois; Motorola Solutions, Illinois; Eagle Training Services, Illinois; DSC Logistics, Illinois; Exel, Illinois; C&K Trucking, Illinois; Campbell Soup Company, New Jersey; Wakefern Food Corp., New Jersey; American Musical Supply, New Jersey; McGraw-Hill Education, Ohio; Thirty-one Gifts, Ohio; Foreign Trade Export Packing Company, Texas

12. Public Workforce System Partner(s):

<p>Workforce One 6301 NW 5th Way, Suite 3000 Fort Lauderdale, FL 33309 Mason Jackson, President and CEO 954-202-3830 www.wf1broward.com</p>	<p>Central Ohio Workforce Investment Corporation 1111 E. Broad St., Suite 201 Columbus, OH 43205 Suzanne C. Tolbert, President 614-559-5052 www.cowic.org</p>
<p>First Coast Workforce Development, Inc. dba WorkSource 1845 Town Center Blvd. Suite 250 Orange Park, Florida 32003 Bruce Ferguson, CEO 904-356-5627 www.worksourcefl.com</p>	<p>The County of Essex, New Jersey Office of Workforce Development 50 South Clinton Avenue East Orange, NJ 07018 Samuel Okpareake, Executive Director 973-395-8409 www.essex-countynj.org</p>
<p>WorkNet Pinellas 13805 58th St North, Ste. 2-140 Clearwater, FL 33760 Ed Peachey, President & CEO 727-507-4300 www.worknetpinellas.org</p>	<p>Union County Workforce Investment Board 10 Elizabethtown Plaza, Floor 4 Elizabeth, New Jersey 07207 Mr. Antonio Rivera, M.S.W., Director 908-527- 4195 ucnj.org/community/division-of-planning/workforce-investment-board</p>
<p>Pacific Gateway Workforce Investment Network 3447 Atlantic Ave. Long Beach, CA 90807 David Gonzalez, Executive Director 562-570- 9675 www.longbeach.gov/cd/workforce/dev_board</p>	<p>Chicago Cook Workforce Partnership 69 W Washington, Suite 2860 Chicago, IL 60602 Karin M. Norington-Reaves, Chief Executive Officer 312-603-0200 www.workforceboard.org</p>
<p>Workforce Solutions-Gulf Coast Workforce Board 3555 Timmons Lane, Ste. 120 Houston, TX 77027 Mr. Michael Temple, Director of Human Services 713-993-4524 www.twc.state.tx.us</p>	<p>Workforce Florida, Inc. 1380 Waldo Palmer Lane, Ste. 1, Tallahassee, FL 32308 Chris Hart IV, President 850-921-1119 www.workforceflorida.com</p>

13. Other Key Partner(s): National Urban League; FL AFL-CIO; *Round 1 Awardee* - Community College of Philadelphia; *Round 2 Awardees* - Los Medanos College, East Los Angeles College, Vincennes University; Des Moines Community College; Florida Division of Colleges Chancellor's Office, Illinois Community College Board, Illinois Department of Employment Security, Ohio Department of Job and Family Services-Office of Unemployment Compensation and Office of Workforce Development, Texas Higher Education Coordinating Board, Texas Workforce Commission, California Community Colleges Chancellor's Office, California Employment Development Department, New Jersey Department of Labor and Workforce

14. Public Contact Information: Elyn Drotzer, Associate Vice President, Resource Development, Broward College, Ft. Lauderdale, FL (954) 201-7493 edrotzer@broward.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, Contextualized Learning, Employer Partnership, Industry-Recognized Credentials, Job Placement, Modular Curriculum, On-the-job Training, Open Educational Resources, Personalized Instruction, Registered Apprenticeships, Self-paced Learning, Skill Assessments, Stackable Credentials, Technology Enabled Learning, Web-based Training.

Florida XCEL-IT: Information Technology Careers for Rural Areas

Project Abstract

- 1. Applicant Name:** College of Central Florida (Lead College)
- 2. Application City/State:** Ocala, FL
- 3. Consortium Member(s) and Consortium Member State(s) OR Single Institution Project Option:**
 - Brevard Community College, Cocoa, FL
 - Edison State College, Fort Myers, FL
 - North Florida Community College, Madison, FL
 - Palm Beach State College, Lake Worth, FL
 - St. Johns River State College, Palatka, FL
 - South Florida State College, Avon Park, FL
- 4. Areas Served by Grant (by city, county, and state):**
 - State:** FL **Counties:** Palm Beach, Brevard, Charlotte, Citrus, Clay, Collier, DeSoto, Glades, Hamilton, Hardee, Hendry, Highlands, Jefferson, Lafayette, Lee, Levy, Madison, Marion, Putnam, St. Johns, Suwannee, and Taylor
- 5. Total Funding Level Requested:** 10,161,060
- 6. Sub-Total Requested Funding Amount by Consortium Member (as applicable):**
 - College of Central Florida: \$3,173,583
 - Brevard Community College: \$1,537,835
 - Edison State College: \$1,432,329
 - North Florida Community College: \$822,824
 - Palm Beach State College: \$1,249,356
 - St. Johns River State College: \$945,133
 - South Florida State College: \$1,000,000
- 7. Project Name:** Florida XCEL-IT: Information Technology Careers for Rural Areas

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

New College Credentials	Related Industry Certification
COLLEGE CREDIT CERTIFICATE in Geographic Information Systems (GIS)	GISP Certification
COLLEGE CREDIT CERTIFICATE in Help Desk	HDI Certificaton
COLLEGE CREDIT CERTIFICATE in Information Technology Manager	A+, Network +, Security +
COLLEGE CREDIT CERTIFICATE in Information Technology Technician	A+, Security +, Linux+, Network+
COLLEGE CREDIT CERTIFICATE in Mobile Device Computing	New certification expected soon
COLLEGE CREDIT CERTIFICATE based on the Cisco Certified Network Associate Security Certification (Name TBD)	CCNA Security Comptia Security
COLLEGE CREDIT CERTIFICATE in Network Virtualization	CompTIA A+, Network+, Server+, Linux+, Project+, and Security +
COLLEGE CREDIT CERTIFICATE in IT Communications (VOIP)	Cisco Certified Voice Professional
COLLEGE CREDIT CERTIFICATE in Network Security	Certified Ethical hacker Certified Forensic Investigator
COLLEGE CREDIT CERTIFICATE in Digital Forensics	Security+, Linux+
COLLEGE CREDIT CERTIFICATE in Information Security	GIAC Information Security Fundamental Security + by CompTIA's
ADVANCED TECHNICAL CERTIFICATE in Networking Security	GIAC Certified Forensic Analyst
COLLEGE CREDIT CERTIFICATE in Logistics and Distribution	Certified Logistics Technician (MSSC)
ADVANCED TECHNICAL CERTIFICATE in Logistics and supply Chain Management	CPIM (Certified in Production and Inventory Management) (APICS)
COLLEGE CREDIT CERTIFICATE in Automation and simulation	RECF Pre-Engineering Certification
COLLEGE CREDIT CERTIFICATE in Robotics and Simulation	RFCE Robotics Certification
COLLEGE CREDIT CERTIFICATE in Entrepreneurship	None Available

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

10. Targeted Industry(s): Information Technology

11. Employer Partners(s): 3Cinteractive, Board of County Commissioners, Brevard Community College IT, Buckeye Technologies, Inc., Bulova Tech Ordnance, CHAMPS Software, Inc., City of Madison Police Department, E-One Inc., Ferno, Highlands Evirofuels, Host.net, Lockheed Martin Missiles & Fire Control, Madison County School Board, Mosaic, Paramount Transportation and Logistics Services, Pilgrim's, Pragmatic Works, Putnam Community Medical Center, Snyder's-Lance, Wauchula State Bank

12. Public Workforce System Partners(s): Workforce Connection, Brevard Workforce, Southwest

Florida WORKS, North Florida Workforce Development Board, First Coast Workforce Development, Inc., Heartland Workforce, Florida’s Heartland Regional Economic Development Initiative, Inc., Workforce Alliance, Inc.

13. Other Key Partners(s): American Society of Transportation and Logistics, Community Foundation Ocala Marion County, Early Learning Coalition, Institute St. Onge, National Center for Supply Chain Technology Education, Omnibus Innovations Group, Inc., Suncoast Trucking Academy, Workforce FL

14. Public Contact Information: Bob Hawkins, Manager, Grants Development, College of Central Florida, (352)854-2322 ext.1566, Hawkinsb@cf.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, see table below): IT, Infotech, information technology, rural, MOOC, accelerated learning, certificate attainment, Cybersecurity, Logistics, Manufacturing, Entrepreneurship, job placement, open educational resources, stackable credentials, and web-based training.

Standard Keywords/Data Tags

Accelerate Progress	Degree Attainment	Learning	Real-time Online
Accelerated Learning	Development	Communities	Interactions
Achievement Rates	Education	Mentoring	Registered
Assessment	Digital Materials	Mobile Devices	Apprenticeships
Technology	Dual Degrees	Modular Curriculum	Retention Strategies
Basic Skills	Earn and Learn	On-the-job training	SCORM
Blended Learning	Employer Partnership	Online Community of	Self-paced Learning
Block scheduling	Enhanced Course	Practice	Simulations
Career Pathways	Articulation	Online	Skill Assessments
Certificate Attainment	Enhanced Student	Teaching/Learning	Stackable Credentials
Civic and Community	Services	Open Educational	Technology Enabled
Engagement	Game Design	Resources	Learning
Cognitive Tutors	Industry-Driven	Paid Internships	Virtual Environments
Competency-based	Competencies	Retention	Web-based Training
Training	Industry-Recognized	Personalized	Contextualized
Credentials	Instruction	Job Placement	

Note: In the event none of the above are a sufficiently precise descriptor applicants should include alternate keyword/tags of their own choosing, not to exceed three words per tag and 28 characters for each keyword/tag.



Project Abstract

1. Applicant Name: Central Georgia Technical College

2. Applicant City/State: Macon, Georgia

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

Option: Option #1: Leveraging Previously-Funded TAACCCT Projects

4. Areas Served by Grant:

State: Georgia

Counties/Cities: Baldwin/Milledgeville, Bibb/Macon, Crawford/Roberta, Dooly/Vienna,

Houston/Warner Robins, Jones/Gray, Monroe/Forsyth, Peach/Ft. Valley, Byron,

Pulaski/Hawkinsville, Putnam/Eatonton, and Twiggs/Jeffersonville

5. Total Funding Level Requested

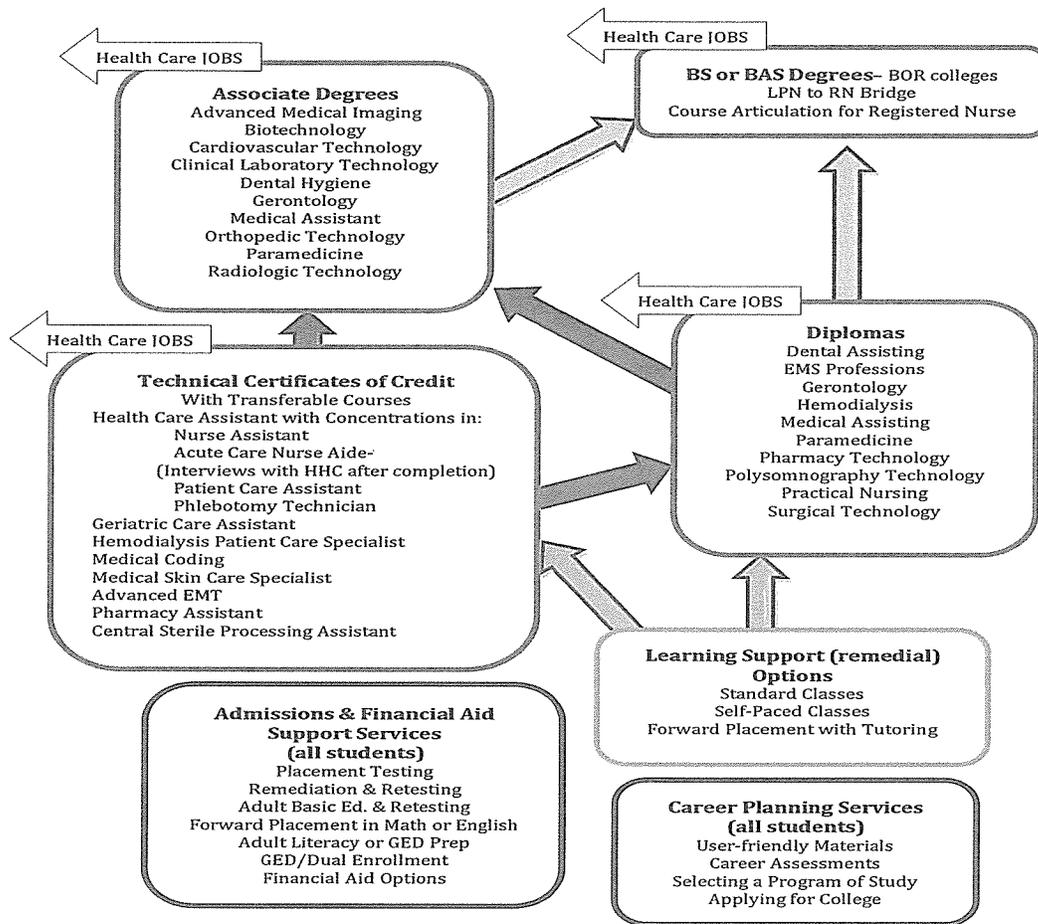
6. Sub-Total Requested Funding Amount by Consortium Member: Does not apply.

7. Project Name: Central Georgia Healthcare Workforce Alliance

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

Central Georgia Technical College (CGTC), governed under the State Board of the Technical College System of Georgia (TCSG), proposes the establishment of the *Central Georgia Healthcare Workforce Alliance*, an employer-driven effort to match over 3,300 TAA-eligible and incumbent workers since 2001 and a current veteran population over 46,000 with quickly obtained certificates and degrees – including opportunities for stacking and laticing credentials – with high demand, high wage jobs in the healthcare sector. Given recent and projected growth in the healthcare industry, this project has the potential to make significant, positive impact for workers and employers alike, while benefiting the community at-large through a strengthened regional healthcare infrastructure. Health Technology Programs that will be addressed by the

proposed project are indicated within the following diagram along with the available pathways:



The proposed project focuses on creating and expanding the online learning program capacity to ensure TAA-eligible workers, veterans, and other adult learners, including those in rural communities, can participate and obtain the certificates and credentials necessary to work in the high-demand healthcare sector, anytime, from anywhere and on any device. Given employer demand across the healthcare sector, all CGTC health programs will be available through the proposed project. Further, programs currently not offered by CGTC but are offered at North Georgia Technical College (NGTC; a 2011 TAACCT grantee) will be made available to CGTC

students, and vice versa, through the requested video-enabled (blended learning) educational technology which will include innovative simulation-based learning

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

10. Targeted Industry(s): Healthcare (NAICS: 62)

11. Employer Partner(s): Employer partners include: Medical Center of Central Georgia (Macon), Coliseum Health System (Macon), Oconee Regional Hospital (Milledgeville), and Houston Healthcare (Warner Robins), OrthoGeorgia, and Macon Occupational Medicine.

12. Public Workforce System Partner(s): Macon-Bibb County Workforce Investment Board and the Middle Georgia Workforce Investment Board and One-Stop Systems.

Other Key Partner(s): CGTC Health Technology Program Advisory Committee; North Georgia Technical College (2011 TAACCCT Grantee), Goodwill, and regional chambers of commerce.

14. Public Contact Information: Elizabeth Hibbitts, Ed.D, Grants Coordinator, Central Georgia Technical College, 3300 Macon Tech Dr., Macon, GA 31206
478.757.3558 (phone); 478.757.2574 (fax)

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, certificate attainment, job placement, on-the-job training, open educational resources, stackable credentials, web-based training, accelerate progress, skills assessment, self-paced learning, real-time online interactions, technology enabled learning, online, industry recognized credentials, blended learning, civic and community engagement, career pathways, developmental education, employer partnership, industry-driven, mobile devices, personalized instruction, self-paced learning, and virtual environments.

Project Abstract

1. Applicant Name: College of Southern Idaho

2. Applicant City/State: Twin Falls, Idaho

3. Consortium Member(s) and Consortium Member State(s) OR Single Institution Project Option: Option #2 and 4: Work-Based Training Opportunities and Career Pathways for Adult Workers

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

State: Idaho. **Counties:** Blaine, Camas, Cassia, Gooding, Jerome, Lincoln, Minidoka, Twin Falls. **Cities:** Buhl, Burley, Filer, Gooding, Hailey, Jerome, Ketchum, Kimberly, Rupert, Twin Falls, Wendell.

5. Total Funding Level Requested: \$2,487,136

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

n/a

7. Project Name: Growing Idaho's Food Processing Industry

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

The College of Southern Idaho's (CSI) TAACCCT Round 3 project addresses Option Two: Work-based Training Opportunities and Option Four: Career Pathways for Adult Workers. CSI proposes the creation of a new degree program to meet the needs of the area's major employers (Food Manufacturers; NAICS code 311). CSI's Food Processing Management degree program will offer stackable and latticed credentials including Postsecondary Certificates (PC), Technical Certificates (TC), Associates of Applied Science Degrees (AAS), and an Associate of Science Degree (AS). The Food Processing Management Program will offer areas of emphasis in food safety, quality assurance, food processing, and management. The proposed program will also involve the innovative delivery of English as a Second Language (ESL).

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

10. Targeted Industry(s): Food Processing (NAICS code 311)

11. Employer Partner(s): Glanbia Foods; Chobani, Inc; Idaho Milk Products; Jerome Cheese Company.

12. Public Workforce System Partner(s): TAA for Workers Program, Idaho Workforce Investment Board, Idaho Workforce Development Council.

13. Other Key Partner(s): Idaho Commission on Hispanic Affairs, Idaho Department of Labor (administrator of WIA funds).

14. Public Contact Information: Terry Patterson, Instructional Dean, Twin Falls, ID, College of Southern Idaho (800) 680-0274, tpatterson@csi.edu.

15. 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, and the remaining 20% will be licensed or purchased.

16. Data Tags: accelerated learning, accelerated progress, certificate attainment, on-the-job training, open educational resources, stackable credentials, web-based training, Career Pathways, Competency-based Training, Developmental Education, Employer Partnership, Industry-Driven Competencies, Modular Curriculum, Skill Assessments.

Attachment 1: Abstract

1. Applicant Name: Lewis & Clark Community College (consortium applicant)

2. Applicant City/ State: Godfrey, IL

3. Consortium Members and Consortium Member States:

(1) Delgado Community College, New Orleans, LA; (2) Hinds Community College, Raymond, MS; (3) John Wood Community College, Quincy, IL; (4) Mid-South Community College, West Memphis, AR; (5) Minnesota State College – Southeast Technical, Winona, MN; (6) St. Louis Community College, St. Louis, MO; (7) Southwest Tennessee Community College, Memphis, TN; (8) West Kentucky Community and Technical College, Paducah, KY.

4. Areas Served by Grant

State: AR. Counties: Arkansas, Craighead, Crittenden, Cross, Jackson, Lee, Mississippi, Monroe, Phillips, Poinsett, St. Francis, Woodruff. Cities: Memphis metro

State: IL. Counties: Adams, Alexander, Bond, Brown, Calhoun, Clinton, Greene, Hancock, Henderson, Jersey, Macoupin, Madison, McDonough, Monroe, Pike, Pope, Pulaski, Randolph, Schuyler, Scott, St. Clair, Warren, Washington Cities: St. Louis metro

State: LA. Counties: Allen, Ascension, Assumption, Beauregard, Calcasieu, Cameron, East Baton Rouge, East Feliciana, Iberia, Iberville, Jefferson, Lafourche, Livingston, Orleans, Plaquemines, St. Bernard, St. Charles, St. Helena, St. James, St. John the Baptist, St. Mary, St. Tammany, Tangipahoa, Terrebonne, Vermilion, West Baton Rouge, West Feliciana. Cities: New Orleans

State: KY. Counties: Ballard, Caldwell, Calloway, Carlisle, Crittenden, Fulton, Graves, Hickman, Livingston, Lyon, Marshall, Massac, McCracken, Trigg

State: MN. Counties: Dakota, Dodge, Fillmore, Goodhue, Houston, Le Sueur, Mower, Olmsted

State: MO. Counties: Franklin, Jefferson, Mississippi, New Madrid, St. Charles, St. Louis City, St. Louis County. Cities: St. Louis,

State: MS. Counties: Claiborne, Hinds, Rankin, Warren

State: TN Counties: Fayette, Henry, Obion, Shelby, Stewart, Weakley. Cities: Memphis

5. Total Funding Level Requested:

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

Lewis & Clark Community College: \$4,958,481

Delgado Community College: \$2,132,705

Hinds Community College: \$2,249,734

John Wood Community College: \$2,100,000

Mid-South Community College: \$2,065,596

Minnesota State College – Southeast Technical: \$1,766,408

St. Louis Community College: \$2,986, 981

Southwest Tennessee Community College: \$2,854,601

West Kentucky Community and Technical College: \$2,754,866

7. Project Name: Mississippi River Transportation, Distribution, and Logistics Consortium

8. Project Description and List Credentials to be Developed and Awarded: This project partners colleges from headwaters to the Gulf and seeks to: (1) establish TDL sector partnerships in communities along the river, (2) re-calibrate programs to align with employer needs, (3) build stacked and latticed credentials and integrate evidence-based

strategies to serve TAA-eligible workers, and (4) solidify the consortium for long-term collaboration. Credentials include industry certifications, postsecondary certificates, and degrees in water, ground, and air transportation, waterway infrastructure maintenance, and logistics management. Awards will include non-credit and credit bearing postsecondary certificates, associate degrees, and industry-recognized credentials.

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

10. Targeted Industries: Waterway and Intermodal Transportation, Distribution, and Logistics

11. Employer Partners: Phillips 66, Cassens Transport, Aljets Automotive, Werts Welding, National Maintenance and Repair, Carline Management, Turn Services, Florida Marine, Golding Barge Line, KLLM Transport, ADM Alliance Nutrition, Titan Wheel Corp, Kohl Wholesale, Upper Limit Aviation, FedEx, Jim's Truck and Trailer, Allstate Peterbilt, Seven Rivers Intermodal Terminals, Con-Way Truckload, US Xpres, TAGG Logistics, Schneider International, American Commercial Lines, James Marine, Barkley Regional Airport, Petter Supply, Paducah-McCracken Riverport Authority, AEP River Operations, Kenneth Wheeler

12. Public Workforce System Partners: Madison-Bond WIB, West Central Development Council, Inc., Region One Business and Career Solutions, Mississippi Community College Board, Western Illinois WIB, WIB of Eastern Arkansas, Winona WIB, St. Louis Agency on Training and Employment, St. Louis County Services, Tennessee Career Center, West Kentucky WIB

- 13. Other Key Partners:** TAACCCT projects (Retraining Gulf Coast Workforce, Illinois Green Economy Network, Manufacturing Training and Education, Bridges to Healthcare, MOManufacturingWINS, RX TN, KCTCS Student Success Coaching); Council for Adult and Experiential Learning, National Network of Sector Partners, US Army Corps of Engineers
- 14. Public Contact Information:** Dr. George Banziger, Grant Specialist, Lewis & Clark Community College, (618) 468-4010, gbanzige@lc.edu
- 15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials:** Approximately 85 percent of program materials will be developed as open educational resources, and the remaining 15 percent will be purchased.
- 16. Data Tags:** Career pathways, certificate attainment, degree attainment, employer partnership, industry-driven, industry-recognized credentials, online, simulations, technology-enabled learning, sector partnership

Project Abstract

1. **Applicant Name:** Purdue University Calumet, School of Technology
2. **Applicant City/State:** Hammond, Indiana
3. **Consortium Member(s) and Consortium Member State(s):** Not applicable
4. **Areas Served by Grant(by city, county, and state):**

State: Indiana

Counties: Northwest Indiana counties: Lake, Porter, LaPorte, Starke, Newton, Jasper & Pulaski. (*Indiana Department of Workforce Development has defined these counties as the Northwest Indiana Economic Growth Region 1*)

(<http://www.in.gov/dwd/2653.htm>)

Cities: Goshen, Lowell, Kentland, Mishawaka, Marion, Newcastle, East Chicago, Valparaiso, Kendallville, Michigan City

5. **Total Funding Level Requested:** \$2,741,491
6. **Sub-Total Requested Funding Amount by Consortium Member (as applicable):** Not applicable
7. **Project Name:** *AWAKE- Assisting Workforce by Advancing Knowledge for Employment*
8. **Project Description and List of Credentials to be Developed and Awarded:**

The objective of this project is to provide training to TAA-eligible workers, Veterans, and other adults for **reemployment** in regional manufacturing industry. The job opportunities in Lake, Porter, Jasper and Newton counties in Indiana show growth and demand in occupations that require skills and knowledge similar to Mechatronics Technicians and Industrial Machinery Mechanics. Manufacturing industries in the region

have indicated immediate need for interns and skilled employees in aforementioned occupations.

The data shows 7.4% growth with 1,585 new jobs during 2012-2022. For Industrial Machinery Mechanics, employment is projected to be 13,855 in 2018, with an annual growth of 215 new jobs. The approximate number of TAA-eligible workers in the targeted region is 2,461 and an additional 7,295 veterans have registered at WorkOne office in the last five years. This project will meet the need of industry by retraining of TAA-eligible workers, veterans, and other adults for re-employment.

The project provides training for 20 cohorts with 15 participants in each cohort. A total of **300 participants** will benefit from this project by attaining one or more industry standards certifications (3 stackable and one latticed) to join workforce as ***Mechatronics technicians***, and ***Industrial Machinery Mechanics*** at different competency levels.

The project objective is addressed through the following three goals.

- 1) Provide foundational skills and competencies in two similar occupations, Mechatronics Technicians and Industrial Machinery Mechanics through **developing modularized training and delivering the program at remote locations.**
- 2) Credentialing the participants through Industry recognized (PMMI) **certifications at four competency levels** as endorsed by United States department of labor (USDOL).
 - a) *Industrial Electricity-1;*
 - b) *Industrial Electricity-2;*
 - c) *Programmable Logic Controller-1; and*
 - d) *Mechanical Components-1.*
- 3) Provide career pathways through granting college credits of up to 12 hours towards Associate Degrees in Ivy Tech Community College

9. Populations to be Served: TAA-eligible workers, Displaced Veterans and other Adults

10. Targeted Industry(s): Small to medium size manufacturing industries

11. Employer Partner(s): APACKS, Hammond Machine Works, Morrison Container Handling Solutions, Task Force Tips

13. Public Workforce Systems Partner(s): Indiana Department of Workforce Development

14. Other Key Partner(s): Center for Workforce Innovations, Packaging Machinery Manufacturers Institute (PMMI)

15. Public Contact Information:

School of Technology at Purdue University Calumet

2200 169th St.,

Hammond, In 46323

Phone: 219/989-3251

<http://webs.purduecal.edu/technology/>

16. Percentage of OER program Materials Developed vs. Percentage of Licensed or

Purchased Program Materials: Approximately 85% of program materials will be developed under this project as Open Educational Resources (OER) and the remaining 15% will be purchased.

17. Data Tags (up to 25): Modular Curriculum, Block Scheduling, Industry Recognized

Credentials, Career Pathways, Basic Skills, Stackable Credentials, Certificate attainment, Technicians, Training, Mechatronics, CNC Machinists, PLC, TAA Program, IDVA, IDWD, WorkOne, Industrial Machinery Mechanic, Machinist Mechanic, Advanced Manufacturing, Workforce Development, Employer Partnership, Degree Attainment, Purdue University Calumet

Project Abstract

1. Applicant Name: Butler Community College

2. Applicant City/State: El Dorado, Kansas

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

Option:

Single Institution: Innovative Technology Enhancements that Support Program Acceleration

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

State: Kansas **Counties:** Butler, Chase, Cowley, Greenwood, Harper, Kingman, Marion, Morris, Sedgwick, and Sumner **Cities:** Andover, Derby, El Dorado, Haysville, Park City, Winfield, and Wichita.

5. Total Funding Level Requested: \$2,748,686

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

Not applicable.

7. Project Name: Butler Community College TAACCCT Project.

8. Project Description and List of Credentials to be Developed and Awarded: A.A.S. Degree in Information Technology, Administering Microsoft Server 2012 Databases, Implementing a Data Warehouse with Structured Query Language (SQL) Server 2012, Microsoft Certification: Microsoft Corporation Solutions Associate (MCSA) SQL Server, MCSA Windows 8, Querying Microsoft SQL Server 2012, Configuring Windows 8, Managing and Maintaining Windows, CISCO Certified Network Associate, CISCO Information Certification and Career Paths 1 and 2, CompTIA Network+, CompTIA A+. Comp TIA Security+, Microsoft Corporation Information Technology Professional: Database Administrator, Microsoft Corporation Technology Specialist (MCTS): Windows Configuration, MCTS: Windows Server 2008 Networking Infrastructure

Configuration, MCTS: SQL Server, CISCO Certified Network Associate, and Committee on National Security Systems.

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

10. Targeted Industry(s): Information Technology

11. Employer Partner(s): HighTouch Technologies, ISG Technologies, and TavTech.

12. Public Workforce System Partner(s):

Workforce Alliance of South Central Kansas and KansasWorks.

13. Other Key Partner(s): Kansas State University, Office of Educational Innovation and Evaluation.

14. Public Contact Information: Regina Peasley, Director of Resource Development, Bulter Community College, (316) 323-6724, rpeasley@butlercc.edu

15. 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, and the remaining 20% will be licensed or purchased.

16. Data Tags: accelerated learning, blended learning, career pathways, certificate/credential attainment, certificate attainment, degree attainment, digital materials, employer partnership, enhanced student services, game design, industry-driven competencies, information technology institute, job placement, on-the-job training, online teaching/learning, online tutors, open educational resources, self-paced learning, skills assessments, stackable credentials, student support services, TAACCCT community of practice, web-based training, video game design, and virtual environments.

IMPACT Project Abstract

- 1. Applicant Name:** Gateway Community and Technical College
- 2. Applicant City/State:** Florence, Kentucky
- 3. Single Institution Project Option:** Option #2 – Worked-Based Training Opportunities
- 4. Areas Served by Grant:**
 - **State:** Kentucky. **Counties:** Boone, Bracken, Campbell, Grant, Kenton, Gallatin, Owen, Pendleton. **Cities:** Covington, Erlanger, Florence, Fort Thomas, Independence, Newport
 - **State:** Ohio. **Counties:** Brown, Butler, Clermont, Hamilton, Warren. **Cities:** Blue Ash, Cincinnati, Hamilton, Middletown, Fairfield, Forest Park, Mason, Oxford, Lebanon, Loveland, Norwood, Sharonville, Springdale, Wilmington
- 5. Funding Level Requested:**
- 6. Sub-Total Requested:** Not Applicable.
- 7. Project Name:** Innovative Multi-Industry Partnership and Career Training (IMPACT)
- 8. Project Description and List of Credentials to be Developed and Awarded:**

Gateway's IMPACT project will target high-demand, high-skill occupations available in the region by expanding the capacity of the targeted construction, manufacturing, transportation, and utilities technology programs and by creating six new credentials. The IMPACT project has three goals:

- Increase attainment of associate degrees, short term credentials, and industry certifications to better prepare veterans and TAA-eligible workers for high-demand, high-skill jobs in manufacturing, construction, transportation, and utilities industry sectors.
- Develop new credentials and enhance existing credentials through innovative and effective strategies aligned with workforce training needs and designed to increase completion and employability.
- Provide comprehensive support services for students from entry through employment/transfer to more effectively reach and serve veterans and TAA-impacted workers and to achieve stronger retention and employment outcomes.

IMPACT strategies will increase capacity to develop and expand program offerings, enhance course instruction, and reduce the gap between training and jobs that are unfilled due to a lack of skilled applicants. These strategies will be implemented in collaboration with industry, workforce, and community partners:

- **Strategy #1:** Creating career pathways and developing new and enhanced curriculum and credentials to fill gaps in the following industries: Advanced Manufacturing, Utilities, Construction Trades, and Logistics, with a focus on establishing stackable and latticed credentials, sequencing of academic courses, and awarding credit for prior learning.
- **Strategy #2:** Designing and enhancing programs and delivery to meet the learning and employment needs of workers and the workforce needs of targeted industries, with a focus on integrating work based learning opportunities, providing more flexible delivery options, and creating innovative technology-enabled and online learning experiences.
- **Strategy #3:** Transforming outreach, completion, and career support strategies to promote access and success to eligible participants, with a focus on strengthening student support services and career mapping, as well as forming new and building upon existing community and industry partnerships.

Building capacity through the development of new programs, and through program enhancement and expansion will result in an increased number of students who become industry certified, complete their academic program, and become employed. Each of the targeted programs will be enhanced by eLearning, work experiences, new technology equipment, and the development of a career pathway. New credentials will be developed and program expansion will occur through an increase of stackable and latticed credentials. The table below illustrates the credentials and industry-recognized certifications to be awarded:

Program of Study	Credential	Industry Certification
Computerized Manufacturing and Machining	AAS, Diploma, Certificates	NOCTI Precision Machining
Commercial Driver's License	Certificate	CDL
Electrical Technology	AAS, Diploma, Certificates	-BICSI – ITS Installer I, Installer 2, Copper, Installer 2, Optical Fiber

		-KY Standard Journeyman Electrician -OSHA 10 and 30
Energy Technologies	AAS, Certificates	-BPI Building Analyst -BPI Building Envelope -FOA -Fiber Outside Plant Technician -Fiber to the Home, Premise, Curb -OSHA 10 and 30
HVAC	AAS, Certificate	KY HVAC Journeyman – Mechanic License
Industrial Maintenance	AAS, Certificates	N/A
Logistics	AAS, Certificate	-MSSC Certified Logistics Associate -MSSC Certified Logistics Technician
Manufacturing Technology	AAS, Certificates	-MSSC Certified Production Technician -NOCTI Manufacturing Level 1
Welding Technology	AAS, Diploma, Certificates	AWS – Entry Level Worker

- 9. Populations to be Served:** Veterans, TAA-eligible workers, unemployed and underemployed workers.
- 10. Targeted Industries:** Manufacturing, Construction, Transportation, and Utilities
- 11. Employer Partners:** International Brotherhood of Electrical Workers (IBEW) (Local 212, Joint Apprenticeship Training Committee-JATC), Mazak, MAG, Verst Group Logistics, Duke Energy, Cincinnati Bell, Workman HVAC
- 12. Public Workforce System Partners:** Northern Kentucky Workforce Investment Board (WIB), Kentucky Energy Workforce Development Consortium (KEWDC), and Kentucky Energy Sector Partnership
- 13. Other Key Partners:** Gateway’s VET Advisory Board, Partners for a Competitive Workforce, Fiber Optic Association, and Northern Kentucky Industrial Park Association
- 14. Public Contact Information:** Dr. Amber Decker, Director of Grants and Contracts, Gateway Community and Technical College, (859) 442-1147, amber.decker@kctcs.edu
- 15. Percentage of OER Program Materials Developed vs. Percentage of License or Purchased Program Materials:** Approximately 80% of program materials will be developed as open educational resources, and the remaining 20% will be licensed or purchased.
- 16. Data Tags:** career pathways, certificate attainment, earn and learn, employer partnership, enhanced student services, industry-recognized credentials, job placement, mentoring, online teaching/learning, retention, real-time online interactions, retention strategies, simulations, stackable credentials, technology enabled learning, web-based training

Project Abstract

- 1. Applicant Name:** Central Louisiana Technical Community College
- 2. Applicant City/State:** Alexandria, LA
- 3. Consortium Member(s) and Consortium Member State(s) OR Single Institution Project Option:**

[Single Institution]

Option #1: Leveraging Previously-Funded TAACCCT Projects

Option #2: Work-Based Training Opportunities

Option #3: Innovative Technology Enhancements that Support Program Acceleration

Option #4: Career Pathways for Adult Workers

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

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

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

- 5. Total Funding Level Requested:** \$2,749,939.00

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

- 7. Project Name:** Central Louisiana Manufacturing Center of Excellence

8. Project Description and List of Credentials to be Developed and Awarded: CLTCC is partnering with a number of stakeholders to create a Manufacturing Center of Excellence. This center will focus on Industrial Manufacturing, inclusive of Automation and Controls, Industrial Maintenance, Machine Tool Technology, and Instrumentation and Electronics. 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 certificates, diplomas, an associate degree, and potentially a Bachelors.

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

- 10. Targeted Industry(s):** Manufacturing

11. **Employer Partner(s):** Proctor and Gamble, Hayes Manufacturing, UTLX Manufacturing, AFCO Manufacturing, West Fraser, Weyerhaeuser, PlastiPak Packaging, Universal Plant Services, Baker Manufacturing,

12. **Public Workforce System Partner(s):** Rapides Parish Workforce Investment Board

13. **Other Key Partner(s):** Northwestern State University, Central Louisiana Chamber of Commerce, Central Louisiana Economic Development Alliance, Louisiana Economic Development (LED) FastStart, The Orchard Foundation, The Rapides Foundation,

14. **Public Contact Information:** Dr. Rodney Ellis, Chancellor, Central Louisiana Technical Community College, Alexandria, LA, (318) 487-5443, Extension 1160, rodneyellis@cltc.edu.

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

Program Materials: Approximately 100% of program materials will be developed as open educational resources, and the remaining 0% will be licensed or 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.

Project Abstract

1. Applicant Name: Mount Wachusett Community College

2. Applicant City/State: Gardner, MA

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

- Bossier Parish Community College, Bossier City, LA
- North Central State College, Mansfield, OH
- Southwest Tennessee Community College, Memphis, TN
- Mount Wachusett Community College, Gardner, MA

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

State	Counties	Cities
Massachusetts	Worcester, Middlesex	Gardner, Fitchburg, Leominster, Ayer, Devens, Cambridge, Lawrence, Haverhill, Milford, Lowell, Worcester
Louisiana	Bienville, Bossier, Caddo, Claiborne, DeSoto, Lincoln, Natchitoches, Red River, Sabine, & Webster Parishes	Bossier City, Ruston, Minden, and Shreveport
Ohio	Richland, Ashland, Huron, & Crawford	Mansfield, Shelby
Tennessee	Fayette, Shelby	Braden, Gallaway, Grand Junction, LaGrange, Oakland, Memphis Metro Area, Moscow, Piperton, Rossville, Somerville, Williston

5. Total Funding Level Requested: \$15,875,432

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

- | | |
|---|-------------|
| • Bossier Parish Community College | \$3,525,116 |
| • North Central State College | \$2,906,345 |
| • Southwest Tennessee Community College | \$2,993,615 |
| • Mount Wachusett Community College | \$6,450,356 |

7. Project Name: Advanced Manufacturing, Mechatronics, and Quality Consortium (AMMQC)

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

Working as a consortium of four leading community colleges across the United States, *the Advanced Manufacturing, Mechatronics, and Quality Consortium (AMMQC)* will transform educational delivery methods and accelerate credential attainment in the advanced manufacturing fields of Mechatronics and Quality career pathways. The *AMMQC* will serve more than 1,720 TAA-eligible workers, veterans, and other individuals in Louisiana, Massachusetts, Ohio, and Tennessee. Each college brings to the consortium a unique expertise in the mechatronics and quality fields that will be leveraged to create and implement stacked and latticed credentials that will be shared across all four colleges. Mount Wachusett

Community College (Massachusetts), the lead institution, has expertise in quality and metrology; Bossier Parish Community College (Louisiana) has expertise in process control mechatronics; North Central State College (Ohio) has expertise in electrical mechatronics, and Southwest Tennessee Community College (Tennessee) has expertise in industrial mechatronics. The AMMQC framework will use these 3 strategies:

Strategy 1: Develop and implement stacked and latticed credential and degree pathways in Advanced Manufacturing in the fields of Mechatronics and Quality that use work based learning, meet industry-driven competencies, have clear entry and exit points, and use regional strengths.

Strategy 2: Build on existing and create new online/technology enabled courses and credentials in advanced manufacturing in the fields of mechatronics and quality that allow students to maximize access to training.

Strategy 3: Link emerging competency based pathways across states and colleges through new articulation agreements that facilitate access and accelerate students' path toward credential attainment.

Together all four colleges will implement an entry level program that will include a common assessment process for assessing students' advanced manufacturing aptitude using Standard Timing Model technology and Work Keys enabled tools and will align with the National Career Readiness Certificate that will be regionally adaptable to meet the unique needs of each region. The project's intent is that all participants will exit with an NCRC and one or more industry-recognized certifications listed in the table below that can be stacked and latticed for greater skill attainment and employment flexibility. Additionally, all colleges will align curriculum and offer a Certified Production Technician curriculum aligned with the Manufacturing Skills Standards Council (MSSC). AMMQC will then develop and/or adapt intermediate and advanced stackable and latticed credentials using a Center of Excellence approach that uses the existing strength of each college to develop competency models and corresponding credentials that will be validated by industry and shared across all colleges. These stackable credentials will address the needs of employers for increased technical skills; they will be customized to each of the region's needs so that the credits will articulate into credit-bearing programs at the colleges and among colleges. The Manufacturing Institute, an affiliate of the National Association of Manufacturers (NAM), will serve as the key partner in aligning the targeted stacked and latticed credentials developed and/or modified with industry recognized credentials. AMMQC will also develop a common system for awarding prior learning credit and using technology enhanced instruction that will accelerate time to completion. The project's intent is that all participants will exit with an NCRC and one or more industry-recognized certifications listed in the table below that can be stacked and latticed for greater skill attainment and employment flexibility. The AMMQC will work with the Manufacturing Institute to map program concentration courses to their endorsed skills certification system.

Credentials to be developed:

Industrial Readiness Certificate: Aligning with ACT's National Career Readiness Certificate and OSHA
Production Technician Certificate: Aligning with Manufacturing Skill Standard Councils – Certified Production Technician Certification
Associate Degree & Certificate of Science in Quality/Analytical Science & related non-credit modules: Aligning with American Society of Quality(ASQ) Quality Inspector and Quality Technician Certification
Associates Degree & Certificate of Electronic Engineering Technology, Manufacturing Technology and related non-credit modules: Aligning with FANUC Robotics and Automotive Manufacturing Technical Education Collaboration General Maintenance Mechatronics Certification

Associate Degree & Certificate Applied Science in Manufacturing Engineering Technology and related non-credit modules: aligning with SIEMENS Mechatronics Level I and II & NCCER Instrumentation, Pipefitting
Associate Advanced Integrated Industrial Technology and related non-credit modules: Aligning with National Institute of Metalworking Skills (NIMS) Machine Maintenance Service and Repair Level I, II, and III

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

10. Targeted Industries: Advanced Manufacturing with focus in Mechatronics and Quality

11. Employer Partners: Manufacturing Institute; Ternium Steel USA; Ronpak, Inc.; North Louisiana Economic Partnership; Nypro; SMC, Ltd.; Celltreat Scientific Products; Operon Resource Management; North Central Massachusetts Development Corporation; Greater Gardner Chamber of Commerce, Nashoba Valley Chamber of Commerce; PR Machine Works, Inc.; The Gorman-Rump Pumps; Ohio Valley Mfg., Inc.; Regional Manufacturing Coalition; Richland Community Development Group; The Hershey Company; EDGE Economic Development Growth Engine for Memphis & Shelby County; ConAgra Foods; Greater Memphis Chamber

12. Public Workforce System Partner(s):

- **MA**— Massachusetts Executive Office of Labor and Workforce Development, North Central Massachusetts Workforce Investment Board, LA; North Central Career Center, Leominster Center for Technical Education, Leominster Public Schools, Montachusett Regional Vocational High School
- **LA**- Louisiana Workforce Commission; City of Shreveport Community Development Workforce Bureau; Seventh Planning District Consortium WIB,
- **OH**—Richland County Dept. of Job & Family Services; Richland County OneStop Employment & Training Center, Madison Adult Career Center, Pioneer Career & Technology Center
- **TN**—Tennessee Dept. of Labor & Workforce Development, Memphis Workforce Investment Network

13. Other Key Partner(s): Council for Adult and Experiential Learning, Manchester Community College (Round 1 TAACCCT Grantee), Forsyth Technical Community College (Round 1 TAACCCT Grantee)

14. Public Contact Information: Joseph Stiso, Associate VP, Development, Planning, and Institutional Research, Mount Wachusett Community College, (978) 630-9113; jstiso@mwcc.mass.edu.

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 60% developed vs. licensed or purchased program materials

16. Data Tags (up to 25): Accelerate Progress, Assessment Technology, Basic Skills, Career Pathways, Certificate Attainment, Competency-based Training, Degree Attainment, Employer Partnership, Enhanced Course Articulation, Enhanced Student Services, Industry Drive Competency, Industry-Recognized Credentials, Job Placement, Modular Curriculum, Open Educational Resources, Retention, Retention Strategies, SCORM, Simulations, Skill Assessments, Stackable Credentials, Technology Enabled Learning

Project Abstract

1. **Applicant Name:** Central Maine Community College

2. **Applicant City/State:** Auburn, Maine

3. **Consortium Member(s) and Consortium Member State(s) OR Single Institution Project Option:** Single State Maine Consortium, made up of Maine's seven community colleges: Central Maine Community College—Auburn (lead); Eastern Maine Community College—Bangor; Kennebec Valley Community College—Fairfield, Hinckley; Northern Maine Community College—Presque Isle; Southern Maine Community College—South Portland, Brunswick; Washington County Community College—Calais; and York County Community College—Wells.

4. **Areas Served by Grant (by city, county, and state):** Each of Maine's 16 counties: *Androscoggin, Aroostook, Cumberland, Franklin, Hancock, Lincoln, Kennebec, Knox, Oxford, Piscataquis, Penobscot, Sagadahoc, Somerset, Waldo, Washington, and York*

5. **Total Funding Level Requested:**

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

- Central Maine Community College:
- Eastern Maine Community College:
- Kennebec Valley Community College:
- Northern Maine Community College:
- Southern Maine Community College:
- Washington County Community College:
- York County Community College:

7. **Project Name:** *Maine is IT!*

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

Maine is IT! is designed to address the critical and growing need in Maine for skilled information technology workers across many industries. The project, proposed as a statewide consortium of all seven of Maine's community colleges in strategic partnership with employers, workforce development agencies, industry associations, and other institutions of higher education, will build and strengthen innovative education models that will meet the needs of Maine's TAA-eligible workers, un/under-employed adults, and employers.

Maine is IT! will serve nearly 2,100 participants, providing dramatically improved access to training opportunities in information technology across the state and across a range of industries. In all, the project will create or expand 36 one-year certificates or two-year associate degree programs. It will enable participants to obtain and build upon a host of industry-recognized certifications, and it will provide multiple entry points, beginning with non-credit courses that bridge to courses and modules that award both college credit and industry recognized certifications and that are the building blocks of one- and two-year credentials leading on to four-year degrees.

Abstract—*Maine is IT!*

Proposed Programs of Study			
Information Technology			
Program of Study	Credential	Awarded by	Status
CADD	Certificate	EMCC	Enhance
Computer Electronics	Certificate	NMCC	Enhance
Computer Technology	Certificate	KVCC	Create
DGD Graphics	Certificate	EMCC	Enhance
Healthcare Information Technician	Certificate	EMCC, KVCC, NMCC	Create
Information Security	Certificate	YCCC	Create
Information Technology	Certificate	KVCC	Create
IT Helpdesk I, II, III	Certificates	SMCC, CMCC	Create
Mobile Systems Technology	Certificate	KVCC	Create
Network Administrator	Certificate	CMCC, YCCC	Create
PC Repair	Certificate	CMCC	Create
Programmer I, II, III	Certificates	SMCC	Create
Server Administration	Certificate	CMCC	Create
Web Development	Certificate	NMCC, YCCC	Create
Applied Electronics & Computer Technology, Computer Electronics	AAS	KVCC, NMCC	Enhance
CADD Machine Design, Digital Graphics	AAS	EMCC	Enhance
Computer Science	AAS	YCCC	Create
Computer Science	AAS	SMCC	Enhance
Computer Technology	AAS	CMCC, EMCC, KVCC, SMCC, YCCC	Enhance
Information Technology	AAS	SMCC	Create
Information Technology	AAS	WCCC	Enhance
Network Security/Computer Forensics	AAS	CMCC (WCCC), SMCC	Create
Network Administrator	Adv. Certificate	CMCC	Create
Network Security	Adv. Certificate	CMCC	Create
Server Administrator	Adv. Certificate	CMCC	Create

The project includes the following evidence based strategies:

- Development/expansion of **36 stacked and latticed credentials** in information technology pathways, to include both industry-recognized certifications and college credentials, which range from non-credit to credit and **2+2 transfer and articulation agreements**.
- Identification, development, and delivery of **online and technology enabled competency-based learning strategies** that will combine the best of technological and traditional instruction to improve retention and speed both remediation and time to completion.
- **Strategic alignment** with major employers and statewide industry associations working to increase the number of skilled IT workers in Maine, the Governor's and WIB strategic plans, Maine's previously funded TAACCCT grants, and workforce development agencies, including the Maine DOL and Goodwill Industries of Northern New England.

9. **Populations to be Served:** 2,096 TAA-eligible workers and other un/under-employed Mainer adults.

10. **Targeted Industry(s):** Information Technology (NAICS 51)

11. Employer Partner(s): Maine State Chamber of Commerce; Project>LogIn (a statewide collaboration of some of Maine's largest employers working to strengthen the state's IT workforce), and the following companies heavily dependent on a skilled IT workforce: Androscoggin Bank, Argo Marketing Group, General Dynamics (Bath Iron Works), Eastern Maine Health Care Systems, Alford Youth Center, MMG Insurance, LL Bean, Oxford Networks, Calais Regional Hospital, Maine Medical Center.

12. Public Workforce System Partner(s): Maine Department of Labor's Trade Adjustment Assistance Program and Rapid Response Services, MDOL CareerCenters, Goodwill Industries of Northern New England (a WIA service provider and CBO), Adult Education agencies, the University of Southern Maine.

13. Other Key Partner(s): Round 1 & 2 TAACCCT Grantees: Central Maine Community College (consortium lead) and Kennebec Valley Community College; Maine Quality Centers (a program of the Maine Community College System—MCCS); and the MCCS Center for Career Development.

14. Public Contact Information: Dr. Scott Knapp, Lead Institution President, Central Maine Community College, Auburn, Maine, sknapp@cmcc.edu, 207-755-5230.

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, blended learning, certificate attainment, competency-based training, contextualized learning, degree attainment, developmental education, employer partnership, enhanced student services, industry-driven competencies, industry-recognized credentials, job placement, modular curriculum, on-the-job training, online community of practice, online teaching/learning, registered apprenticeships, retention, simulations, stackable credentials, technology enabled learning and web-based training

Project Abstract

1. Applicant Name – Macomb Community College on behalf of the Michigan Coalition for Advanced Manufacturing (M-CAM)

2. Applicant City/State – Warren, Michigan

3. Consortium Member(s) and Consortium Member State(s) – Macomb Community College, Bay de Noc Community College, Grand Rapids Community College, Kellogg Community College, Lake Michigan College, Lansing Community College, Mott Community College, and Schoolcraft College all in Michigan

4. Areas Served by Grant – State: Michigan. **Counties:** Southern Michigan counties, including Berrien, Van Buren, Allegan, Kent, Ionia, Clinton, Shiawassee, Genesee, Eaton, Ingham, Livingston, Oakland, Macomb, Calhoun, Barry, Branch, Wayne, and Monroe, and Upper Peninsula counties, including Iron, Marquette, Dickinson, Menominee, Delta, Alger, and Schoolcraft. **Cities:** Flint, Grand Rapids, Lansing, as well as the rural north and sections of metropolitan Detroit

5. Total Funding Level Requested

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

Consortium Member
Macomb Community College
Bay de Noc Community College
Grand Rapids Community College
Kellogg Community College
Lake Michigan College
Lansing Community College
Mott Community College
Schoolcraft College

7. Project Name – Michigan Coalition for Advanced Manufacturing (M-CAM)

8. Project Description and List of Credentials to be Developed and Awarded – Following extensive industry input, M-CAM will focus on the four job sectors of: 1) CNC Machining, 2) Welding/Fabrication, 3) Multi-Skilled Technician, and 4) Production Operations. M-CAM will feature an advanced manufacturing competency model that promotes job readiness skills, basic skill development, pathways to certificates/degrees, employer involvement, online/hybrid courses, education plans, prior learning assessments, and career services. Participants enter the program at multiple points based on skills and education needs. Member colleges plan to create 13 new industry-focused credentials and upgrade/modify 63 certificate and degree programs.

New certificate programs: Welding/Fabrication: Basic Welding, Robotic Welding and Welding Fabrication (Lansing); CNC Machining: Machine Tool Technology (Mott); Multi-Skilled Technology: Electricity and Basic Electronics, Basic Control, Fluid Power, PLC and SCADA (Bay de Noc); Mechatronics (Bay de Noc, Grand Rapids, Lansing, Mott); Multi-Skilled Technology, Multi-Skilled Technology Associate Degrees (Kellogg), Certified Production Technician (Lansing), Production (Mott).

Coalition members also will update 63 certificate and associate degree programs in the four occupational areas.

Welding: AWS Level 1, TIG, MIG, and Stick/Arc Welding; Welding Process Qualification, Fabrication Technician, Welding Technology, Industrial Welding, Industrial Machining Technology, General Technology, Maintenance Technology, Welding/Joining Technology.

CNC/Machining: Machinist CNC Technician, Tooling and Manufacturing Technology Certificate, Industrial Machining Technology Certificate, Machine Tool Numerical Control, Manufacturing Technology Machining, Machine Tool Technology Certificate, CNC Fundamentals, Advanced Manufacturing Skills Certificate, Advanced Manufacturing Certificate. Associate Degrees: Tooling and Manufacturing Technology, Industrial Welding, Machine Tool Technology, Manufacturing Technology, Mechanical Occupations Technology, Advanced Manufacturing.

Multi-Skilled Technology: Industrial Maintenance Technician, Battery Manufacturing Technician, Industrial Technology Certificate, Fluid Power Industrial Computing Technician, High School Vocational Program, AMTEC Certificate of Completion, Mechatronics, Operations and Process Technology, Electronics and Electrical Technology, CAD Technical Certificate, Electronic Technology Skills Certificate, Electronic Technology Certificate, Metallurgy Applied Physical Certificate, Manufacturing Electives for Associate Degree in Business. Associate Degrees: Industrial Maintenance, Industrial Technology, General Technology, Automated Systems Technology, Mechanical Occupations Technology, Electronics and Electrical Technician, CAD-Mechanical, Electronic Technology, Metallurgy and Materials Science, Materials Science, Advanced Manufacturing.

Production Operations: Battery Manufacturing Technician, Production Technician, Advanced Energy Storage Certificate, MSSC-CPT, Manufacturing Production, Manufacturing Skills Employment Program Certificate, Advanced Manufacturing Skills Certificate, Advanced Manufacturing Certificate. Associate Degrees: Tooling and Manufacturing, General Technology, Advanced Manufacturing.

Proposed outcomes:

Total Unique Participants Served: 2,738

Total Participants Completing a TAACCCT-Funded Program of Study: 1,619

Total Number of Participants Still Retained in Program of Study: 1,188

Total Number of Participants Completing Credit Hours: 1,336

Total Number of Credentials: 2,034

Total Number Enrolled in Further Education after TAACCCT Completion: 246
Total Number Employed after TAACCCT Program of Study Completion: 1,619
Total Number Retained in Employment after Program of Study Completion: 1,323
Total Number Employed Who Received a Wage Increase: 360

9. Populations to be Served – TAA-eligible and dislocated workers, veterans, incumbent workers and others

10. Targeted Industry(s) – Advanced Manufacturing

11. Employer Partner(s) – Hanson Mold, Lovejoy-Inc., Fab Masters, Riveer, Food Tools Inc., CIM Products, Autocam Corp., Pidgeon & Clay, Roman Manuf., Kay Manufacturing, Linear Engineering, Ameriforge, NYX, Thai Summit America, Airlift Company, Carmeuse, Loadmaster, Marinette, NewPage Corporation, Talascend, AGS Automotive, I.F. Metalworks, US Manufacturing Corp., Ideal Technology Corporation, Geislinger, Leprino Foods, Kellogg's, Jamesville Acoustics, Denso, Stanley Automotive Lighting and Electrics, Gestamp, Demmer, Alpha USA, U.S. Manufacturing, Avon Gear, LPNP Inc.

12. Public Workforce System Partner(s) – Michigan Works! agencies (workforce investment boards) in all college regions; Department of Licensing and Regulatory Affairs, Workforce Development Agency

13. Other Key Partner(s) – National Association of Manufacturers, Gates Foundation's Breaking Through Initiative, Northern Virginia Community College, National STEM Consortium, Flint STRIVE, Michigan Manufacturing Association, Grand Rapids Urban League, Michigan Center for Student Success, Battle Creek Unlimited, Goodwill of Greater Grand Rapids, National 4C Collaborative, Talent, 2025, Delta County Economic Alliance

14. Public Contact Information – Robert Stevens, Director of Grant Support Services, Macomb Community College, 14500 E. 12 Mile Road, Warren, Michigan 48088, (516) 445.7863, stevensr@macomb.edu

15. 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, and the remaining 20% will be licensed or purchased.

16. Data Tags – Career Pathways, Certificate Attainment, Degree Attainment, Developmental Education, Digital Materials, Dual Degrees, Employer Partnership, Enhanced Course Articulation, Enhanced Student Services, Industry-Driven Competencies, Industry- Recognized Credentials, Job Placement, Learning Communities, Online Community of Practice, Online Teaching/Learning, Paid Internships, Registered Apprenticeships, Retention Strategies, Self-paced Learning, Skill Assessments, Stackable Credentials, Technology Enabled Learning, Virtual Environments, Web-based Training.

Abstract

1. **Applicant Name:** Century College
2. **Applicant City/State:** White Bear Lake, Minnesota
3. **Consortium Member(s) and Consortium Member State(s):**

Consortium Member College	Location
Baker College	Flint, Michigan
Century College (Lead)	White Bear Lake, Minnesota
Oklahoma State University Institute of Technology	Okmulgee, Oklahoma
Spokane Falls Community College	Spokane, Washington
St. Petersburg College	St. Petersburg, Florida

4. **Areas Served by Grant (by City, County, and State)**
 - Baker College - All of Michigan, Indiana, and Ohio
 - Century College - All of Minnesota, Iowa, North Dakota, South Dakota, and Wisconsin
 - Oklahoma State University - All of Oklahoma, Arkansas, Kansas, Missouri, and Texas
 - Spokane Falls Community College - All of Washington, California, Idaho, and Oregon
 - St. Petersburg College - All of Florida, Alabama, Georgia, and South Carolina

5. **Total Funding Level Requested:** \$11,177,412

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

Consortium Member College	Funding Request
Baker College, Michigan	\$1,398,603
Century College, Minnesota	\$4,677,095
Oklahoma State University Institute of Technology, Oklahoma	\$1,666,100
Spokane Falls Community College, Washington	\$1,421,169
St. Petersburg College, Florida	\$2,014,445

7. **Project Name:** The Orthotics, Prosthetics & Pedorthics (**HOPE**) Careers Consortium

8. **Project Description and List of Credentials to be Developed and Awarded:** This project will expand and improve the delivery of O&P career education by regional consortium methods of increasing the attainment of industry-recognized credentials needed for the changing health status of communities and predicted shortage of workers. To accomplish this goal, consortium members will a) recruit eligible participants, b) utilize best-practices in retention strategies, c) develop credit for prior learning standards and military vocations assessment, d) create innovative technology-based and online

learning opportunities e) accelerate training pathways, f) support job placement, and g) develop stackable credentials and articulation pathways. Input from industry, relevant organizations, and accreditation partners will assist the process.

Credentials to be Developed and/or Awarded
Certified Orthotist , Prosthetist, and Orthotist/Prosthetist: AS/AAS/AST Degrees
Certified Fitter of Orthotics: Certificate
Certified Orthotic and/or Prosthetic Technician: AAS Degree
Certified Mastectomy Fitter: Certificate
Certified Orthotic and/or Prosthetic Assistant: AAS
Certified Pedorthist: Certificate, AA/AAS Degrees
Certified Fitter of Therapeutic Shoes: Certificate
O&P Office Assistant: Certificate
Wheelchair Technician: non-credit
CAD CAM: non-credit
New Pre-program courses: Military Bridge, Industry Awareness, and Introduction to O & P
Additional Specialty Certificates as Identified Through Industry Need

9. **Populations to be Served:** TAA-eligible and displaced or job-threatened workers, veterans, and workers interested in this expansive employment profession.

10. **Targeted Industry(s):** Orthotics, Pedorthics, and Prosthetics

11. **Employer Partner(s):** Ottobock , Hanger P&O, Arise O&P, Arkansas Prosthetics & Pedorthics, Clark & Assoc., Fabtech Systems, Florida Brace & Limb, Friddle’s Orthopedic Appliances, Gainesville Prosthetics, Gillette Hospital, Gomez Orthotic Systems, Memorial Sloan Kettering, Oklahoma O&P, Pros Orthotics, Sanford Healthcare Accessories, Saunders P&O, Scott Sabolich Prosthetics & Research, Shriners Hospital for Children, Specialty P&O, Tamarack Habilitation Technologies, Tillges Certified O& P, Thompsons Custom O&P, University of Oklahoma Orthopedic Surgery & Rehab,

12. **Public Workforce System Partners(s):**

Member	State WAs	State WIBs	Local WIBs
Baker	MI Works Association	Bureau of Workforce Transformation, MI Dep't of Energy, Labor, & Economic Growth	Genesee/Shiawassee Michigan Works! Career Alliance, Inc.
Century	MN Dep't of Employment & Economic Development	MN Governor's Workforce Development Council	Anoka, Ramsey, Hennepin and Washington County Workforce Boards
OSU	OK Employment Security Commission	OK Workforce	Eastern Workforce Investment Board
SFCC	Work source WA	Workforce Training and Education Coordinating Board	Spokane Area Workforce Development Council
SPC	Workforce FL, Inc.	Workforce FL, Inc.	Worknet Pinellas

13. Other Key Partner(s): Limbs for Life Foundation, American Association of Diabetes Educators, American Orthotic & Prosthetic Association (AOPA), Centers of Excellence Allied Health (WA), Combat Wounded Veteran Challenge, Community Service Council of Tulsa (OK), Concordia University (MN), Florida State University, *Florida Trade* (Round 2 TAACCCT Grantee), HealthForce MN, National Commission on Orthotic & Prosthetic Education (NCOPE), Yellow Ribbon Reintegration Program.

14. Public Contact Information: Kathleen Bell, Dean of Nursing and Allied Health, Century College, 651-779-3200, kathy.bell@century.edu.

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 95% of program materials will be developed as open educational resources, and the remaining 5% will be licensed or purchase.

16. Data Tags: Accelerated Learning, Career Pathways, Certificate Attainment, Degree Attainment, Employer Partnership, Enhanced Course Articulation, Industry-Driven Competencies, Industry-Recognized Credentials, Job Placement, On-the-Job Training, Online Teaching/Learning, Open Educational Resources, Paid Internships, Retention Strategies, Self-paced Learning, Skill Assessments, Stackable Credentials, Technology Enabled Learning, Veteran Student Services, Web-based Training

**Project Abstract – Pine Technical College
Rural Information Technology Alliance (RITA)**

- 1. Applicant Name:** Pine Technical College (PTC) (consortium lead applicant)
- 2. Applicant City/State:** Pine City, MN
- 3. Consortium Member(s) and Consortium Member State(s) OR Single Institution Project Option:** North Central Texas College - Gainesville, TX; Central Lakes College - Brainerd, MN; Ridgewater College - Willmar, MN
- 4. Areas Served by Grant (by city, county, and state):** **State:** Minnesota **Counties:** Aitkin, Anoka, Becker, Beltrami, Benton, Big Stone, Blue Earth, Brown, Carlton, Carver, Cass, Chippewa, Chisago, Clay, Clearwater, Cook, Cottonwood, Crow Wing, Dakota, Dodge, Douglas, Faribault, Fillmore, Freeborn, Goodhue, Grant, Hennepin, Houston, Hubbard, Isanti, Itasca, Jackson, Kanabec, Kandiyohi, Kittson, Koochiching, Lac qui Parle, Lake, Lake of the Woods, Le Sueur, Lincoln, Lyon, Mahnomen, Marshall, Martin, McLeod, Meeker, Mille Lacs, Morrison, Mower, Murray, Nicollet, Nobles, Norman, Olmsted, Otter Tail, Pennington, Pine, Pipestone, Polk, Pope, Ramsey, Red Lake, Redwood, Renville, Rice, Rock, Roseau, Saint Louis, Scott, Sherburne, Sibley, Stearns, Steele, Stevens, Swift, Todd, Traverse, Wabasha, Wadena, Waseca, Washington, Watonwan, Wilkin, Winona, Wright, Yellow Medicine **Cities:** All cities in Minnesota in the aforementioned counties. **State:** Texas **Counties:** Collin, Cooke, Dallas, Denton, Grayson, Montague, Tarrant, Young **Cities:** All cities in the aforementioned counties.
- 5. Total Funding Level Requested:**
- 6. Sub-Total Requested Funding Amount by Consortium Member (as applicable):**
Pine Technical College: North Central Texas College: Central Lakes College:
Ridegwater College:
- 7. Project Name:** Rural Information Technology Alliance (RITA)
- 8. Project Description and List of Credentials to be Developed and Awarded:**

The information technology industry in urban areas is broad, ubiquitous, critical and deep. IT as an industry in rural areas is broad, ubiquitous, critical and shallow. There are robust IT training resources in urban areas, including public colleges, private colleges, for-profit entities and others competing to prepare the IT workforce. In rural areas, IT training resources are extremely thin. Therein lies a painful dilemma for all IT companies and departments in rural regions. IT permeates every aspect of working life and is critical to success, but the supply of trained IT technicians is inadequate, and the training pipeline insufficient to meet the needs. Rural college IT programs often lag behind their urban counterparts in laboratory development, certifications, and numbers. This coalition of four colleges, allied workforce centers, industry partners and IT employers proposes to implement a project that will address these critical rural IT workforce needs by upgrading college programs and by constructing career ladders and removing barriers to TAA-eligible workers and other adult workforce center clients so that they may enter the IT workforce, find high-wage employment and fill the gaps in the rural IT workforce. This Rural Information Technology Alliance (RITA) will be a model for colleges and their partners in developing strategies and collaborative solutions to the workforce need for skilled technicians and the rural workers need for pathways into IT careers.

The coalition includes Pine Technical College (PTC), Central Lakes College (CLC) and Ridgewater College (RW) in rural Minnesota and North Central Texas College (NCTC) in rural Texas. We would note that originally our consortium originally included Oklahoma City Community College, but they were forced to become a consulting organization and test bed for RITA after their campus was significantly damaged in the May 31, 2013 EF5 tornado.

To that end, we are developing and/or expanding a range of IT programs that will be available at all colleges, either on-site, online, or via hybridized solutions. All programs are designed for completion within two years and have various entry and exit points.

Our employer partners are committed to working with our instructional designers to ensure their workforce needs are met through these programs.

RITA Certificate, Credentials & Degrees All can be obtained within 2 years X=Expanding; D=Developing; I=Implementing						
<input checked="" type="checkbox"/> = Industry-Recognized; <input type="checkbox"/> = Employer Partner Recognized			PTC	RW	CLC	NCTC
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Access Certificate	X	X	X	X
<input checked="" type="checkbox"/>	<input type="checkbox"/>	C# Certificate	X	X	X	X
<input checked="" type="checkbox"/>	<input type="checkbox"/>	C++ Certificate	X	X	X	X
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cisco Academy Certificate	I	X	I	X
<input checked="" type="checkbox"/>	<input type="checkbox"/>	CISCO Basic Certificate	I	X	I	X
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cisco CCNA Certification	I	X	I	X
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cisco Systems Certificate	X	X	I	X
<input checked="" type="checkbox"/>	<input type="checkbox"/>	CompTIA Network+	X	X	X	X
<input checked="" type="checkbox"/>	<input type="checkbox"/>	CompTIA Security+	X	X	X	X
<input checked="" type="checkbox"/>	<input type="checkbox"/>	CompTIA A+	D	D	D	D
	<input type="checkbox"/>	Computer Information Technology (CITE) A.A.S.	D	D	D	X
<input checked="" type="checkbox"/>	<input type="checkbox"/>	CITE Certificate	X	X	X	X
	<input type="checkbox"/>	Computer Network Administration A.A.S.	X	X	X	X
	<input type="checkbox"/>	Computer Programmer A.A.S.	X	X	X	X
	<input type="checkbox"/>	Computer Programmer Certificate	X	X	X	X
	<input type="checkbox"/>	Computer Programming & Application Design A.A.S.	D	D	D	D
	<input type="checkbox"/>	Computer Support Technician A.A.S.	X	X	X	X
	<input type="checkbox"/>	Computer Support Technician Certificate	X	X	X	X
	<input type="checkbox"/>	CyberSecurity A.A.S.	D	D	D	D
<input checked="" type="checkbox"/>	<input type="checkbox"/>	CyberSecurity Specialist Certificate	D	D	D	D
	<input type="checkbox"/>	Database A.A.S.	D	D	D	D
	<input type="checkbox"/>	Database Certificates (Levels 1, 2, 3)	D	D	D	D
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Hardware and Virtualization Certificate	D	D	D	D
<input checked="" type="checkbox"/>	<input type="checkbox"/>	ICOMM Certificate	X	X	X	X
<input checked="" type="checkbox"/>	<input type="checkbox"/>	IT Infrastructure/Basic Network Technology Cert	X	X	X	X
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Java Certificate	X	X	X	X
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Microsoft IT Academy Certificate	I	I	I	I
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Microsoft MCSD certification	I	I	I	I
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Microsoft Private Cloud certification (MCSE)	I	I	I	I
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mobile App Design Certificate	D	D	D	D
<input checked="" type="checkbox"/>	<input type="checkbox"/>	MySQL Certificate	D	D	D	D
	<input type="checkbox"/>	Network Systems A.A.S.	X	X	X	X
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Oracle Certificate	D	D	D	D
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Security Certificate	D	D	D	D
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Virtualization Certificate	X	X	X	X
<input checked="" type="checkbox"/>	<input type="checkbox"/>	VMWare certification	X	X	X	X

RITA Certificate, Credentials & Degrees All can be obtained within 2 years X=Expanding; D=Developing; I=Implementing						
☑ = Industry-Recognized; ☐ = Employer Partner Recognized			PTC	RW	CLC	NCTC
☑	☐	VOIP Certificate	D	D	D	D
☑	☐	Web Design Certificate	D	D	D	D
	☐	Web Programming A.A.S.	X	X	X	X
	☐	Web Programming Certificate	X	X	X	X

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

10. Targeted Industry(s): Information Technology

11. Employer Partner(s): Microsoft, Cisco, MnSCU Information Technology Services, Nemadji Research Corporation, Ascensus, MicroNet, Inc., Consolidated Telephone Company, Morrison County, Minnesota Department of Corrections IT Services, Syvantis Technologies, ECMECC, Agent IT Solutions, Lakewood Health System, Peterbilt Motors Company, Rice Memorial Hospital, Cooke County Electric Coop, Global DataGuard, City of Lake Dallas, HCI Data Corp dba BusinessWare Solutions, Landis+Gyr, Inc., SISU Medical Information Solutions LLC, and Atomic Learning.

12. Public Workforce System Partner(s): Texas Workforce Commission, Central Minnesota Jobs & Training Services, East Central Minnesota Workforce Partnership, Minnesota Department of Employment and Economic Development, East Central Regional Development Commission, Rural Minnesota CEP, Inc., Workforce Solutions North Central Texas, Workforce Solutions Texoma, Workforce Solutions North Texas, Gainesville Economic Development Corporation, and Kandiyohi County Economic Development Commission.

13. Other Key Partner(s): Anne Arundel Community College (Round 1 TAACCCT Grantee); Mille Lacs Band of Ojibwe, a sovereign Native American nation, North Texas Small Business Development Center, North Central Texas College Foundation, St. Cloud State University and the Initiative Foundation.

14. Public Contact Information: Dr. Robert L. Musgrove, President, Pine Technical College, (320)629-5120, musgrover@pinetech.edu

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 25% of program materials for the project will be open educational resources – these include all new materials produced using grant funds. The remaining 75% consists of proprietary industry certification coursework developed by and belonging to industry partners.

16. Data Tags (up to 25, see table below):

<ul style="list-style-type: none"> • Accelerated Learning • Assessment Technology • Blended Learning • Career Pathways • Certificate Attainment • Competency-based Training • Contextualized Learning • Degree Attainment • Digital Materials • Employer Partnership • Simulations 	<ul style="list-style-type: none"> • Articulation • Game Design • Industry-Driven Competencies • Industry-Recognized Credentials • Job Placement • Mobile Devices • Online • Open Educational Resources • Virtual Environments • Technology Enabled Learning • Web-based Training 	<ul style="list-style-type: none"> • Certificate Attainment • Stackable Credentials • Retention • Personalized Instruction
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PROJECT ABSTRACT

1. Applicant Name: Missouri State University-West Plains
2. Applicant City/State: West Plains, Missouri
3. Single Institution Project Option: Option #2: Work-Based Training Opportunities

4. Areas Served by Grant:

State: Missouri Counties: Wright, Douglas, Ozark, Texas, Howell, Shannon, Oregon, Reynolds, Carter, Ripley, Wayne, Butler Cities: West Plains, Popular Bluff, Hartville, Ava, Gainesville, Houston, Eminence, Alton, Van Buren, Doniphan, Centerville, Greenville

5. Total Funding Level Requested:

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

7. Project Name: Rural Revitalization and Recovery (R³)

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

Missouri State University-West Plains in the south central part of the state will engage TAA—eligible workers, other unemployed or underemployed adults, and veterans through career training in two years or less. Training will focus on sectors and occupations in health care (health informatics) and agriculture (agribusiness with a focus on “green” and/or sustainable jobs) included in this R³—rural revitalization and recovery—project.

Credentials: Certificates in Medical Coding and Billing; Associate of Applied Science in Health Information Technology.

Credentials: Certificates in Agribusiness, Agriculture Education, Animal Science, Environmental Plant Science, Natural Resources, Wildlife Management & Conservation, and General Agriculture; Associate of Applied Science in Agriculture as a transfer degree.

9. Populations to be Served: TAA-eligible workers, veterans, other unemployed adults
10. Targeted Industries: Health Informatics and Agribusiness Systems
11. Employer Partners: Health Informatics: Ozarks Medical Center (West Plains), Burton Creek Medical Complex (West Plains), Texas County Memorial Hospital (Houston). Agribusiness: Trillium Trust (West Plains), Hirsch Farm & Feed Supply (West Plains), Ozark Farmers' Cooperative (West Plains).
12. Public Workforce System Partners: South Central Workforce Investment Board, West Plains Career Center
13. Other Key Partners: Howell County Extension Center, Industry Advisory Boards, South Central Ozark Council of Governments, West Plains Chamber of Commerce
14. Public Contact Information: Dennis Lancaster, Interim Dean of Academic Affairs, Missouri State University-West Plains, PH: 417-255-7272 Email: DennisLancaster@MissouriState.edu
15. Percentage of OER Materials 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, career pathways, certificate attainment, degree attainment, developmental education, employer partnership, industry-recognized credentials, job placement, online teaching/learning, modular curriculum, paid internships, retention strategies, stackable credentials, technology-enabled learning, web-based training

ABSTRACT**Applicant Name:** Ozarks Technical Community College**Applicant City/State:** Springfield, Missouri**Single-Institution Project Option:** Option #2: Work-Based Training Opportunities**Areas Served by Grant:****State:** Missouri **Counties:** Christian, Dallas, Greene, Laclede, Polk, Pulaski, Stone, Taney, and Webster. **Cities:** All cities residing in service area.**Total Funding Requested:** \$2,228,414**Project Name:** Technology-Enabled Pathways in Healthcare (TEPH)**Project Description and List of Credentials to be Developed and Awarded:**

Technology-Enabled Pathways in Healthcare (TEPH) supports the development of innovative approaches to address current and future workforce needs in the health services/sciences industry. OTC will serve the diverse workforce needs of TAA-eligible workers and other adults in many counties within its service area that fall below the national and state unemployment rates, as well as other counties. This institution will work with area employers as it develops hybrid opportunities in health services, as well as a focused Industrial Maintenance path that will lead to qualifications to repair and maintain medical equipment in health service institutions. In addition, a retention specialist and transcript evaluator will be hired within the project to ensure students, including veterans, are provided with the necessary support and resources needed to be successful. Each priority within this project will offer clinical and/or work-based training.

Priority 1: Create hybrid classes for Associate of Science in Nursing (ASN).

Strategies: OTC will work with accreditation agencies and advisory committees to offer an ASN in a hybrid online format. This opportunity will offer the seated portion of the course in the Table

Rock Campus, located in Taney County, and the Lebanon Education Center, located in Laclede County. By allowing students to enter the hybrid option, they may complete much of their work online, allowing for more flexibility within schedules and opportunities to those in rural areas.

Priority 2: Create hybrid classes for Occupational Therapy Assistant (OTA).

Strategies: OTC will work with accreditation agencies and advisory committees to offer an OTA in a hybrid online format. This opportunity will allow students to complete much of their work online, allowing for more flexibility within schedules and opportunities to those in rural areas.

Priority 3: Add a hybrid Biomedical Equipment Technician (BMET) option to the Associate degree in Industrial Maintenance.

Strategies: OTC will partner with area healthcare facilities to determine training needs for BMET emphasis. As a growing industry, there is a need for specialized training that focuses on the repair and maintenance of biomedical equipment. Students will attain a degree in Industrial Maintenance while gaining the specialized skill set needed to enter the BMET field.

Priority 4: Enhance Student Services through Retention Specialist and Transcript Evaluator for Veterans.

Strategies: OTC will hire a retention specialist and transcript evaluator to enhance services provided to the target population. The retention specialist will act as an intentional advisor that will assist students from entrance to completion. The transcript evaluator for Veteran's Services will support returning veterans as they transfer into the institution. This person will assist in evaluating transcripts to determine training and knowledge that can be applied to technical and health-related fields. By doing so, veterans will be given credit that will allow them to accelerate through the program and enter the workforce faster.

TEPH will offer more opportunities to workers residing in communities that do not have easy access to higher education institutions. It will also address the needs of a growing market as

hospitals look toward retaining their own equipment repairers as opposed to paying the costs of bringing in original equipment manufacturers when repairs and maintenance are needed. This project will also address the needs of veterans re-entering the workforce.

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

Targeted Industry: Healthcare

Employer Partners: Cox Health, Mercy Health

Public Workforce System Partners: Ozark Region Workforce Investment Board and Central Region Workforce Investment Board

Other Key Partners: Maples Rehabilitation Center, Citizens Memorial Hospital

Public Contact Information: Katherine Craft, College Director of Grants Development, Ozarks Technical Community College, (417) 447-8162, craftk@otc.edu

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.

Data Tags:

Accelerate Progress	Blended Learning
Basic Skills	Career Pathways
Degree Attainment	Digital Materials
Enhanced Student Services	Industry-Recognized Credentials
On-the-Job Training	Online Teaching/Learning
Registered Apprenticeships	Skills Assessment
Technology-Enabled Learning	Virtual Environments
Certificate Attainment	Contextualized Learning
Employer Partnership	Job Placement
Retention	Retention
Stackable Credentials	

Project Abstract

1. Applicant Name: Three Rivers Community College

2. Applicant City/State: Poplar Bluff, MO

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

Option #1: Leveraging Previously-Funded TAACCCT Projects

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

State: Missouri

Counties: Bollinger, Butler, Cape Girardeau, Carter, Dunklin, Howell, Mississippi, New Madrid, Oregon, Pemiscot, Reynolds, Ripley, Scott, Stoddard, Wayne

Cities: Cape Girardeau, East Prairie, New Kennett, Madrid, Mountain Home, Poplar Bluff, Sikeston, West Plains

5. Total Funding Level Requested: \$2,750,000

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

7. Project Name: Rebuilding the Missouri Bootheel

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

Three Rivers Community College (TRC) is partnering with regional employers to prepare the TAA-eligible workers, veterans, and other adult learners for industries that are currently expanding in the region: advanced manufacturing and precision agriculture. TRC will leverage its participation in a Round 1 TAACCCT project which focused on health care occupations to inform the development of two new pathway programs addressing existing training gaps in our targeted industries. We will build clear pathways for our participants through previous learning assessments, stacked and latticed credentials allowing for multiple entry and exit points, and credits that are easily transferable to our partnering four year institutions. Our blended curriculum delivery system includes mobile learning labs which enable greater coverage across our service region. For our advanced manufacturing pathway, TRC will develop certificates including certified Production Technician, Certified Welding, Robotic Welding, and an AAS degree in Production Welding. For the precision agriculture pathway, TRC will implement a multiple short-term modular credentials including Telemetry and Ag Applicator that stack to a one year degree in Agricultural Geospatial Technology.

9. Populations to be Served: TAA-eligible workers and veterans, and other non-traditional adult learners

10. Targeted Industry(s): Precision Agriculture and Advanced Manufacturing

11. Employer Partner(s): Briggs and Stratton, Cargill, Faurecia, Regal Beloit America Inc., Riceland Foods Inc., SRG Global, Tetra Park Materials, Tri-Lakes Tool Inc.

12. Public Workforce System Partner(s): Missouri Career Center - Poplar Bluff, MO; Missouri Career Center - Sikeston, MO; Missouri Career Center - Cape Girardeau, MO; Missouri Career Center - Kennett, MO; South Central Missouri Community Action Agency – Poplar Bluff, MO; Susanna Wesley Family Learning Center – East Prairie, MO; New Madrid County Family Resource Center - New Madrid, MO; Ozark Action, Inc. – Mountain Home, MO; Ozark

Action, Inc. – West Plains, MO; Poplar Bluff Adult Education; Poplar Bluff Technical Career Center; Sikeston Career and Technology Center; Cape Girardeau Career and Technology Center; New Madrid County Technical Skills Center; Pemiscot County Vocational School in Hayti; Kennett Career and Technology Center; Current River Area Vocational-Technical School in Doniphan; South Center Career Center in West Plains; and the Arcadia Valley Career Tech in Ironton, Missouri.

13. Other Key Partner(s): MOHealth WINs, MOManufacturing WINs, Southeast Missouri State University; University of Missouri at Columbia; Arkansas State University; and Missouri State University

14. Public Contact Information: Wesley Payne, Vice President for Learning, Three Rivers Community College, (573) 840-9689, wpayne@trcc.edu

15. 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, and the remaining 20% will be licensed or purchased.

16. Data Tags: accelerated learning, blended learning, career pathways, certificate attainment, competency-based training, enhanced course articulation, industry-driven competencies, industry-recognized credentials, job placement, on-the-job training, simulations, skills assessments, stackable credentials, technology enable learning, and web-based training.

Project Abstract

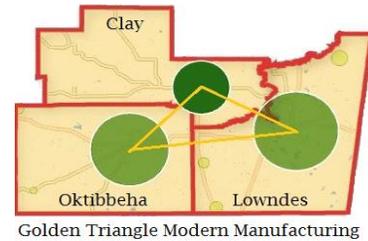
1. East Mississippi Community College (EMCC)
2. Mayhew, Mississippi
3. Option #1: Leveraging Previous-Funded TAACCCT Projects
4. Areas Served by Grant:

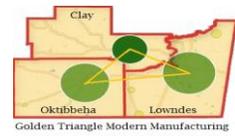
- a. State of Mississippi
- b. Counties of Clay, Lowndes, and Oktibbeha (region is community served)

5. Total Funding Level Requested: \$2,700,331
6. NA
7. Project Name: Golden Triangle Modern Manufacturing Project
8. Project Description and List of Credentials to be Developed and Awarded:

The Golden Triangle Modern Manufacturing Project seeks to improve and better articulate career pathways into high skill, high wage modern manufacturing jobs for TAA eligible workers, Veterans, and other adults. The project leverages the 2012 Missouri Manufacturing Workforce Innovation Networks project strategies and practices to accomplish the following:

1) completely modernize the college's manufacturing related Career and Technical Education (CTE) division by merging it into a sector-based Modern Manufacturing Technology and Engineering Division with the college's credential-based, technology-enabled, short-term training programs; latticing and stacking industry-recognized credentials (AWS, NCCER, NIMS, Siemens) into seven CTE programs; uplifting CTE instructors' abilities to use advanced technology and contextualize soft skills and manufacturing concepts into their teaching; and requiring all students to achieve a Silver CRC credential; 2) adding three credential-based, craft-level technician programs demanded by industry – electro-mechanical, Mechatronics, and welder/fabricator technicians; 3) creating a new 15 semester

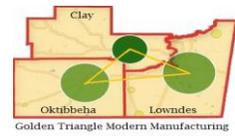




hour CTE developmental program, 4) expanding EMCC's Clay County Campus to meet surging industry demands; and 5) fully engaging modern manufacturers and workforce partners in program design, labor market forecasting, and work-based learning through a new sector-based oversight and advisory council.

For the 2011 TAACCCT round, no Mississippi proposal was accepted. DOL negotiated a \$2.5 million award with the Mississippi Corridor Consortium that had submitted a \$6.6 million proposal. EMCC's reduced portion targeted improvements to Industrial Maintenance Technology and Machining CTE programs. The only grant funds that will be expended related to either program will be the addition of online CNC simulation software for the machining program. This is expansion of the program not covered by the prior project.

9. Populations to be Served: TAA eligible workers, Veterans, and other adults in the target community (the three-county Golden Triangle Region).
10. Targeted Industries: Modern Manufacturing Industries (two digit NAICS codes 32 and 33)
11. Employers Partners: Yokohama Tire Company (326211), PACCAR Engine Company (336120), Gulf States – Nucor (332312), Ellis Steel (332312), Babcock & Wilcox (332410), Monroe Tufline (333111), Thompson Machinery (332114).
12. Public Workforce System Partners: Mississippi Partnership Workforce Investment Board, Mississippi Department of Employment Security and its WIN Job Center.
13. Other Key Partners: Golden Triangle Regional Development Link; Golden Triangle Planning and Development District; CREATE Foundation.
14. Public Contact Information: Dr. Raj Shaunak, Vice President for Workforce and Community Affairs, East Mississippi Community College, P.O. Box 100, Mayhew, MS 39753, (662) 243-1911, rshaunak@eastms.edu.



15. 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.

16. Data Tags: Achievement Rates, Basic Skills, Career Pathways, Certificate Attainment, Contextualized Learning, Degree Attainment, Employer Partnership, Enhanced Course Articulation, Enhanced Student Services, Industry-Driven Competencies, Industry-Recognized Credentials, Job Placement, Modern Manufacturing, On-the-Job Training, Paid Internships, Self-paced Learning, Simulations, Skill Assessments, Stackable Credentials, Technology Enabled Learning



Abstract

1. **Applicant Name:** Great Falls College-Montana State University, Lead Applicant
2. **Applicant City/State:** (Consortium: Grantee Institution city/state) Great Falls, Montana
3. **Consortium Members and Consortium Member State:**

Consortium Member	Location
Great Falls College Montana State University (Applicant & Project Lead)	Great Falls, Montana
Fort Peck Community College	Poplar, Montana
Montana State University Northern	Havre, Montana
City College Montana State University Billings	Billings, Montana
Gallatin College Montana State University	Bozeman, Montana
Missoula College University of Montana	Missoula, Montana
Bitterroot College University of Montana	Hamilton, Montana
Helena College, University of Montana	Helena, Montana
Highlands College of Montana Tech	Butte, Montana
Flathead Valley Community College	Kalispell, Montana
Dawson Community College	Glendive, Montana
Miles Community College	Miles City, Montana
Little Big Horn College	Crow Agency, Montana

4. **Areas Served by Grant (by city, county, and state):**
 - **State:** Montana. **Counties:** Cascade, Hill, Yellowstone, Gallatin, Missoula, Ravalli, Lewis and Clark, Silver Bow, Flathead Valley, Dawson, Custer, Big Horn. **Cities:** Great Falls, Fort Peck, Havre, Billings, Bozeman, Missoula, Hamilton, Helena, Butte, Kalispell, Glendive, Miles City, Crow Agency.
5. **Total Funding Level Requested: \$24,978,329**
6. **Sub-Total Requested by Consortium Member:**

Consortium Member	Funding Request
Great Falls College Montana State University (Applicant)	\$8,505,260
Fort Peck Community College	\$1,516,571
Montana State University Northern	\$1,746,864
City College Montana State University Billings	\$1,465,338
Gallatin College Montana State University	\$731,524
Missoula College University of Montana	\$1,388,658
Bitterroot College University of Montana	\$931,568
University of Montana Helena – College of Technology	\$2,687,563
Highlands College of Montana Tech	\$454,965
Flathead Valley Community College	\$3,466,107
Dawson Community College	\$562,587
Miles Community College	\$482,437
Little Big Horn College	\$1,038,887



7. Project Name: Strengthening Workforce Alignment in Montana's Manufacturing and Energy Industries (SWAMMEI)

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

Project Description

A consortium of 13 Montana two-year colleges is seeking funding from the Department of Labor to develop a statewide approach to workforce challenges in advanced manufacturing and energy industries. These industries have been targeted due to the significant void between the state's present ability to appropriately train workers in these fields and the significantly growing need for workers in specific occupations that support these industries.

In eight target occupations, the Strengthening Workforce Alignment in Montana's Manufacturing and Energy Industries (SWAMMEI) project offers TAA-eligible, veteran and other low-skilled student populations an opportunity to access accelerated training anywhere in the state. Each SWAMMEI stacked credential uses a common delivery system to provide interactive, technology-enhanced and online curriculum. This approach creates significant efficiencies, wherein a single faculty facilitator can deliver online training to students across the state. Web-based curricula are reinforced with practical, hands-on training components that students can complete in a consolidated period of time. Students will complete the hands-on portions of their training at Practical Assessment Centers conveniently located throughout the state, if their home college does not have the lab resources or faculty to conduct the necessary training. This systemic approach allows our two-year college system to serve dispersed TAA-eligible populations with accelerated training well aligned with industry needs and taught by our state's best faculty.

The SWAMMEI project also offers innovations to support the target populations' participation in the project. Workforce Navigators will assist students in: assessing current competencies; gaining access to education and workforce programs; applying for financial aid (including that available through the workforce system); and attaining workforce support services. Further, SWAMMEI will employ sophisticated evidence-based coaching strategies and professional coaches to help students overcome hurdles to success and increase completion rates of participants. Some well-known common stumbling blocks, like developmental math, will also be transformed to accelerate time-to-completion.

Credentials: The Consortium will impact 9,389 individuals

Academic Certificates (aligned with NAM-endorsed, industry-recognized credentials, where appropriate): Manufacturing Technician; Industrial Machining Level II, III; Welding Level I, II, III; Fabrication Level II, III; Industrial Maintenance Level II, III; Industrial Electronics Level II, III, IV; Diesel Technician Level I, II (AAS); Heavy Equipment Operators Certificate of Applied Science; Energy Technician Level I, II, III;

Industry Recognized Credentials: Safeland USA®; IACD Rig Pass®; OSHA, Commercial Driver's License; Canadian Welding Board endorsement; American Welding Society certifications

9. Populations to be Served: TAA-eligible, veteran and other dislocated, unemployed, incumbent and low-skilled workers in need of basic and occupational skills.

10. Targeted Industries: Advanced Manufacturing and Energy Industries



11. **Employer Partners:** fifty-seven (57) employers from the region have made commitments that will aid in implementation of this project, including: Selway Corporation, Donaldson Bros., Oso Railworks, Inc., Specified Fittings, NorthWestern Energy, Applied Materials, Defiance Machine, Inc., Raytheon, Nomad Global Comm., MC Squared Design, Synergy Aircraft, Timberline Tool Co., ADF Group, Autopilot, Hogin Machine, Inc., Spectec, Noreen Firearms LLC, S&S Machines, The Boeing Company, Apex Manufacturing Services, SeaCast, Inc., Blue Marble Biomaterials, Diversified Plastics, Inc., Watkins & Shepard Trucking, Spika Welding & Manufacturing, Inc., Bear Paw Lumber, Taisei Techno America, Inc., Stillwater Mining Company, ExxonMobil Billings Refinery, Fort Peck Tech Services, Interstate Power Systems, Morrison-Maierle, Inc., Mitchell Oil Services, Montana Boilermakers IBB Local 11, Cloud Peak Energy, Muggli Construction, Custer Co., Road Dept., Doeden Construction, Oftedahl Construction, Big Sky Solar and Wind, Missoula Electric Cooperative, Zinc Air, Inc., Onsite Energy, Inc., Solar Plexus LLC., SBS Solar, Torgerson's LLC, Tractor & Equipment Co., Modern Machinery Co., Inc., RDO, Tilleman Motor Co., Inc., General Electric, Halliburton, Fort Peck Tribes Tribal Transportation Indian Roads Department, Small Business Development Center, and Montana Western Economic Development.
12. **Public Workforce System Partners:** Montana Department of Labor and Industry, MT State Workforce Investment Board, Montana Registered Apprenticeship Program, Montana Regional One-Stops (in Billings, Glendive, Kalispell, Helena, Libby, Miles City, Bozeman, Missoula, Sidney, Great Falls, Havre, Butte, and Hamilton)
13. **Other Key Partners:** Office of the Commissioner of Higher Education – Montana University System, Montana Governor's Office of Economic Development, Montana Chamber of Commerce, Previous TAACCCT Grantees: ShaleNET Consortium (Penn College of Technology), TREND Consortium (Bismarck State College), Clackamas Community College, PAVES Consortium.
14. **Public Contact Information:** Dr. Susan J. Wolff, Great Falls College Montana State University, (406) 771-4305, susan.wolff@gfcmu.edu
15. **Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials.** It is anticipated that 57% of academic program materials will be developed as OER with the remainder being material licensed from industry vendors.
16. **Data Tags (up to 25)**
 - Accelerated Learning
 - Achievement Rates
 - Assessment Technology
 - Blended Learning
 - Block scheduling
 - Career Pathways
 - Certificate Attainment
 - Contextualized Learning
 - Degree Attainment
 - Developmental Education
 - Employer Partnership
 - Industry-Driven Competencies
 - Enhanced Student Services
 - Industry-Recognized Credentials
 - Job Placement
 - Online Teaching/Learning
 - Real-time Online Interactions
 - Retention
 - Registered Apprenticeships
 - Retention Strategies
 - Simulations
 - Skill Assessments
 - Stackable Credentials
 - Technology Enabled Learning

Project Abstract

1. Applicant Name: Cleveland Community College (consortium applicant)

2. Applicant City/State: Shelby, North Carolina

3. Consortium Members and Consortium Member States:

- Moultrie Technical College; Moultrie, Georgia
- Nash Community College; Rocky Mount, North Carolina (Round 1 TAACCCT Co-Grantee)
- Wake Technical Community College; Raleigh, North Carolina (Round 2 TAACCCT Grantee)
- University of North Carolina-Charlotte; Charlotte, North Carolina

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

- **State:** North Carolina. **Counties:** Cleveland, Wake, Nash, Mecklenburg. **Cities:** Charlotte, Raleigh, Rocky Mount, Shelby, Cary, Apex, Kings Mountain, Grover, Nashville.
- **State:** Georgia. **Counties:** Colquitt, Tift, Turner, Worth. **Cities:** Ashburn, Moultrie, Sylvester, Tifton.

5. Total Funding Level Requested: \$23,200,362

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

- Cleveland Community College: \$13,086,370
- Moultrie Technical College: \$2,548,106
- Nash Community College: \$3,067,705
- Wake Technical Community College: \$2,931,393
- University of North Carolina-Charlotte: \$1,566,788

7. Project Name: Mission Critical Operations (MCO)**8. Project Description and List of Credentials to be Developed and Awarded:**

Project develops a mission critical operations career pathway to address demand for a mission critical workforce able to anticipate, prevent, mitigate, and respond to mission critical breaks.

Cybersecurity, infrastructure maintenance, communications, emergency operations—are all foci of the project. The project includes plans for articulated credit options bridging the gap between prior learning, non-credit courses, curriculum, and university programs. List of credentials to be developed and awarded:

Associate in Applied Science degree, Diploma, and Certificate options in Mission Critical Operations

Certified Mission Critical Professional (CMCP)

Mission Critical Certified Operator (MCCO)

Mission Critical Certified IT Specialist (MCCITS)

Mission Critical Certified IT Administrator (MCCITA)

Mission Critical Certified IT Integrator (MCCCITI)

Mission Critical Certified Facilities Specialist (MCCFS)

Mission Critical Certified Facilities Manager (MCCFM)

Mission Critical Certified Facilities Integrator (MCCFI)

9. Population to be Served: TAA-eligible workers and other adults, underrepresented groups in select programs of study.

10. Targeted Industries: NAICS Codes: 31-33: Manufacturing; 54: Professional Services; 92: Public Administration

11. Employer Partners: Clearwater Paper; Integrated Power Solutions; Envirotrol; Heatcraft Refrigeration; Duke Energy; Nash County Emergency Services; Nashville Police Department; and STEAG Energy Services.

12. Public Workforce System Partners:

Public Workforce System Partner:	College/Area Served
Region C Workforce Development Board (WDB)	Cleveland Community College
Capital Area WDB	Wake Technical Community College
Turning Point WDB	Nash Community College
Charlotte Works WDB	UNC-Charlotte
Southwest Georgia Workforce Investment Board	Moultrie Technical College
South Georgia Workforce Investment Board	Moultrie Technical College
NC Department of Commerce-Division of Workforce Solutions	All of North Carolina
Charlotte Regional Partnership	Cleveland Community College & UNC-Charlotte
Cleveland County Economic Development Partnership	Cleveland Community College

13. Other Key Partners: 7x24 Exchange International-Carolinas Chapter, Automation Federation, International Society of Automation, North Carolina Community College System, North Carolina State University Industrial Extension Service.

14. Public Contact Information: Office of Development and Governmental Relations, Attn: Grants Development Coordinator, Cleveland Community College, (704) 669-4178, siske@clevelandcc.edu.

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

Purchased Program Materials: Approximately 94% of program materials will be developed as open educational resources, and the remaining 6% will be licensed or purchased.

16. Data Tags: accelerate progress, assessment technology, basic skills, blended learning, career pathways, certificate attainment, civic and community engagement, competency-based training, game design, industry-driven competencies, industry-recognized credentials, job placement, modular curriculum, real-time online interactions, simulations, telepresence, stackable credentials, technology enabled learning, virtual environments, web-based training

Project Abstract

1. Applicant Name: North Dakota State College of Science
2. City/State: Wahpeton, North Dakota
3. Individual Applicant: North Dakota State College of Science
4. Areas Served By Grant: The State of North Dakota: all counties and cities.
5. Total Funding Level Requested: \$2,744,625
6. Sub-Total Requested Amount by Consortium Member- N/A
7. Project Name: North Dakota Advanced Manufacturing Skills Training Initiative (NDAMSTI)
8. Project Description and List of Credentials to be Developed and Awarded: The North Dakota Advanced Manufacturing Skills Training Initiative (NDAMSTI) project, being led by single institution North Dakota State College of Science (NDSCS), is in a position to assist TAA-impacted workers, which will not only benefit its local community, but statewide and potentially cross over state borders. This project will utilize NDSCS's success with online programs, and expand the following online activities: 1. develop online modules for the Gas Metal Arc Welding (GMAW) stackable courses; 2. automation curriculum enhanced with the incorporation of online modules designed by Fanuc robotics; and 3. utilize an existing relationship with Pearson to assist with online content design and delivery. These services will be made accessible and serve TAA eligible workers since simulation software provides an avenue for skills application in the area of robotics. Using new technologies, students at the Fargo location will be able to remotely control robots on the Wahpeton campus.

Based on the successful TrainND model, TAA-eligible and adult learners will have courses in manufacturing delivered in formats that allow for greater flexibility, by developing online modules that allow students to complete course theory anytime, anywhere thus reducing the amount of time committed to on-campus instruction. By working with employers to upgrade employee skills,

individuals can work towards a degree and remain employed full-time. NDSCS will deliver focused hands-on instruction in short courses with the skills learned reinforced through practical application on-the-job. In recognition of the adult learners having commitments that prevent them from attending traditional classes in Wahpeton, NDSCS will offer more advanced courses at Fargo and bring more customized training opportunities on-site to business and industry partners.

Through this project, NDSCS will meet the following strategies and outcomes: increase work-based training opportunities; expand customized training opportunities for local employers through TrainND; design and implement latticed courses in the fields of automation and machining; instructor professional development activities to support project goals and outcomes; increase enrollment in the A.S. degree in Technical Studies-Journeywork Track which is designed to support the completion of latticed courses based on the career goals of the individual; grow relationships with 4-year colleges and universities to increase the transferability of technical degrees to bachelor's programs; promote current options for Prior Learning Credit, military experience and registered apprenticeships credits applied towards Associates degrees at NDSCS; provide greater flexibility of currently employed individuals to participate in courses for credit as online modules will be developed for delivery of the GMAW stackable credentials; implement technologies such as the Learning Outcome Manager to improve assessment of student learning; align project goals and objectives with interests of key stakeholders; conduct data analysis and program evaluation of program goals and objectives with results openly disseminated; reduce replication of effort, NDSCS will collaborate with Central Lakes College (CLC), Chattanooga State Community College (ChSCC) and Lake Region State College (LRSC); coordinate instructor visits to TAACCCT collaborators to facilitate the sharing of curriculum, course and program content, best practices and lessons learned; and participate in TAACCCT project meetings facilitated by the Department of Labor.

9. Populations to be Served: TAA-eligible workers, veterans, present and future personnel serving as technicians wanting or needing to upgrade their skills for new technologies.
10. Targeted Industry(s): Advanced Manufacturing
11. Employers Partner(s): CNH America LLC, Bobcat, Caterpillar Remanufacturing Drivetrain LLC, American Crystal Sugar Company and Masonite Primeboard Inc.
12. Public Workforce System Partner(s) Job Service North Dakota, State Veterans Program
13. Other Key Partner(s): Weld-Ed National Center for Welding Education and Training, TrainND, Greater Fargo Moorhead Economic Development Corporation and Tri-State Manufacturer's Association
14. Public Contact Information: Jodi Ost, NDSCS Grants Director, 800 Sixth Street North, Wahpeton, ND, 58076, 701-671-2154, jodi.ost@ndscs.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: assessment, technology, basic skills, training, accelerated, learning, education, articulation, services, competencies, certifications, credentials, learning, online, teaching, resources, retention, instruction, registered, apprenticeships, simulation, stackable credentials, practices, partnerships and customized.

Newark Area Industry Linked Information Technology
Essex County College TAACCCT Round 3 Proposal
PROJECT ABSTRACT

1. **Applicant Name:** Essex County College
2. **Applicant City/State:** Newark, NJ
3. **Single Institution Option:** Option 1: Leveraging Previously-Funded TAACCCT Projects
4. **Area Served by Grant:**
 - State: New Jersey
 - County: Essex
 - Cities: Belleville, Bloomfield, Caldwell, Cedar Grove, East Orange, Essex Fells, Fairfield, Glen Ridge, Irvington, Livingston, Maplewood, Millburn, Montclair, Newark, North Caldwell, Nutley, Orange, Roseland, Short Hills, Verona, West Caldwell, West Orange
5. **Total funding Level Requested:** \$2,750,000
6. **Sub Total Requested by Consortium Member:** NA
7. **Project Name:** Newark Area Industry Linked Information Technology (NAIL IT)
8. **Project Description and List of Credentials to be Developed:** Through NAIL IT Essex County College, with technical assistance from Jobs for the Future (JFF) and Wider Opportunities for Women (WOW) proposes to develop three new Information Technology programs of study: Cyber Security and Networks; Software Development; and Health IT, with a special focus on increasing the number of women in these careers.

The program will develop new credit-bearing courses and certificates that crosswalk to the knowledge, skills, and competencies demonstrated in IT credentials, including Certified A+ Technician, Security+, Cisco Certified Network Associate – Security, Microsoft Certified Systems Engineer, Oracle Certified Associate, JAVA SE 7 Programmer, Pearson/VUE HIPT Trainer, SQL Server 2012, Cloud Security Alliance Certificate fo Cloud Security Knowledge, and EC-Council Computer Hacking Forensic Investigator. Students will earn industry credentials and college certificates that are valued by employers while simultaneously building to an Associate Degree that is transferable toward a BA in Information Technology.

Working with The Newark Alliance and the NJ Department of Labor’s Talent Networks, Essex County College will form employer advisory groups to help guide the design of the certificates and course curricula, and to develop credit-bearing industry internship opportunities that provide students with invaluable real-world applications of their academic work. National technical assistance experts, Wider Opportunities for Women and Jobs for the Future will provide professional development, access to national best practices, tools, and experts, and strategic alignment with regional resources to recruit and retain women, incumbent workers, and other non-traditional students in this non-traditional occupation and to sustain the innovative program design elements beyond the grant period.

9. **Populations to be Served:** TAA-eligible workers, women, people of color, entry-level workers
10. **Targeted Industry:** Information Technology, Health IT, Financial Services, Transportation/Logistics/Distribution

- 11. Employer Partners:** 4.0 Analytics, Allweb Technologies, East Orange General Hospital, New Jersey Transit, Prudential Insurance, St. Barnabas Hospital, What Are Minds For?
- 12. Public Workforce System Partners:** Essex County WIB, Newark WIB, NJ Department of Labor and Workforce Development, NJ Talent Networks.
- 13. Other Key Partners:** Gulf Coast IT Workforce Consortium, Anne Arundel Community College, Jobs for the Future, Wider Opportunities for Women
- 14. Public Contact Information:** Dr. Susan Mulligan, Executive Dean for Institutional Advancement, Essex County College, 973-877-3063, mulligan@essex.edu
- 15. Percentage of OER Program Materials vs. Percentage of Licensed or Purchased 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:** Career Pathways, Certificate Attainment, Civic and Community Engagement, Degree Attainment, Digital Materials, Employer Partnership, Enhanced Student Services, Industry-Driven Competencies, Industry Recognized Credentials, Internships, Job Placement, Mentoring, On-the-job Training, Stackable Credentials, Technology Enabled Learning

Abstract

1) **Applicant Name:** Passaic County Community College, Consortium Applicant

2) **Applicant City/State:** Paterson, New Jersey 07505

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

- Atlantic Cape Community College, Mays Landing, New Jersey
- Bunker Hill Community College, Boston, Massachusetts
- Capital Community College, Hartford, Connecticut
- Housatonic Community College, Bridgeport, Connecticut
- Kingsborough Community College, Brooklyn, New York
- LaGuardia Community College, Long Island City, New York

4) **Areas Served by Grant:**

- **State:** New Jersey **Counties:** Atlantic, Bergen, Cape May, Essex, Passaic
- **State:** Connecticut **Counties:** Fairfield, Hartford, New Haven
- **State:** Massachusetts **City:** Boston
- **State:** New York **City:** New York City

5) **Funding Level Requested:** \$23,516,787

6) **Sub-Total Requested Funding Amount by Consortium Member:**

- Atlantic Community College: \$1,027,886
- Bunker Hill Community College: \$1,946,057
- Capital Community College: \$2,314,406
- Housatonic Community College: \$2,196,144
- Kingsborough Community College: \$3,855,652
- LaGuardia Community College: \$3,178,409
- Passaic County Community College: \$8,998,233

7) **Project Name:** Northeast Resiliency Consortium

8) **Project Description and List of Credentials to be Developed and Awarded:** The proposed project is a collaboration among seven community colleges committed to creating a highly skilled and resilient workforce in four Northeastern states (New Jersey, New York, Connecticut, and Massachusetts) that have been devastated by crises and natural catastrophes, including Hurricane Sandy, the Sandy Hook Elementary School shootings, and the Boston Marathon bombings. The partners will prepare Trade-impacted workers, veterans, and other individuals for employment and upward mobility in three key industry-growth sectors (health care, information technology, and environmental technologies) that play a critical role in times of crisis. Four strategies will be integrated across the region: 1) Accelerating Skill, Competency, and Credential Acquisition for Trade-Impacted Workers through Innovative Approaches and Solutions; 2) Utilizing Advanced Technology to Support Student Learning and Program Completion; 3) Engaging Employers and Strategic Partners to Improve Skill Acquisition, Program Completion, and Employment Outcomes; and 4) Providing Comprehensive Outreach,

Assessment, and Student Supports. Among its significant innovations, the partners will provide contextualized developmental math classes; add new credentials and reorganize existing credentials to create new lattices and opportunities for obtaining credentials; develop regional standards for Prior Learning Assessments; institute adaptive learning systems, digital tutors and MOOCs to improve program completion and skill acquisition; implement work-based learning and award credit for such experiences; develop a rigorous assessment protocol; and implement a technology-based advising system (IPAS) to monitor student success. The proposed project will serve more than 3,400 participants.

The credentials to be developed and awarded include: Emergency Medical Technician Certification; National Registry Certified Paramedic; Licensed Certified Nursing Assistant; Registered or Certified Medical Assistant; Certified Pharmacy Technician; Certified Professional Coder; Energy Sustainability and Management – Field Service Technician; OSHA Certification; Mold Remediation Certification; Energy Industry Fundamentals Certification; Registered Health Information Technician; Computer Information Systems Certificate and Associate’s Degree; Mobile Application Certificates; Computer Support Specialists Certificates; and Cyber Security Certificates and Associate’s Degree.

9) Populations to be Served: The project will serve TAA-eligible workers, veterans, and other dislocated and unemployed individuals.

10) Targeted Industries: Healthcare, Information Technology, and Environmental Technologies

11) Employer Partners: Atlanticare, Cataldo Ambulance Service, Massachusetts Department of Environmental Protection, EMC, Cisco, Charter Oak Health Center, American Medical Response, Hartford Hospital, TSKP, Bartlett Brainard Encott, Southwest Community Health Center, Bridgeport Hospital, People’s United Bank, Wyckoff Medical Center, Lutheran Medical Center, Maimonides Medical Center, Senior Care Emergency Medical Center, BIG NYC, SIMS Municipal Recycling, Grease Lightening, LESEC, Eco-Cleaning, American Water-New Jersey, St. Joseph’s Hospital and Medical Center, Pulse Medical Services, and PSEG.

12) Public Workforce System Partners: Atlantic WIB, Boston Private Industry Council, Capital Workforce Partners, Workforce Alliance, The Workplace, Kingsborough WIB, Passaic County WIB, and Passaic County Workforce Development Center

13) Other Key Partners: Achieving the Dream and The Carnegie Foundation for the Advancement of Teaching are key partners in the Project. In addition, the following organizations have agreed to participate: Northeast States Emergency Consortium, Central CT Society for Information Management, Office of Emergency Management and Homeland Security, Regional Emergency Medical Services Council of NYC (REMSCO), National Association of EMT’s, Web Professionals, Massachusetts Competitive Partnership, Jonathan D. Abramson, Cable NAMI, New Jersey Utilities Association, and Interstate Renewable Energy Council.

14) Public Contact Information: Mr. Todd Sorber, Executive Director, Passaic County Community College, One College Boulevard, Paterson, New Jersey 07505; (973) 684-5656; tsorber@pccc.edu

15) 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, and the remaining 20% will be licensed or purchased.

16) Data Tags: Accelerated Learning, Achievement Rates, Basic Skills, Career Pathways, Certificate Attainment, Contextualized Learning, Competency-based Training, Contextualized Learning, Degree Attainment, Developmental Education, Employer Partnership, Enhanced Student Services, Game Design, Industry-Driven Competencies, Industry-Recognized Credentials, Job Placement, Online, Simulations, Skill Assessments, Stackable Credentials, Technology Enabled Learning, Virtual Environments, Web-based training

Project Abstract

1. Applicant Name: Great Basin College (consortium applicant)

2. Applicant City/State: Elko, Nevada

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

Western Nevada College; Carson City, Nevada

Truckee Meadows community College; Reno, Nevada

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

State: Nevada. **Counties:** Elko, White Pine, Eureka, Lander, Humboldt, Nye, Washoe, Pershing, Churchill, Storey, Carson, Douglas, Lyon and Mineral Counties.

Cities: Elko, Carson City, Reno.

5. Total Funding Level Requested: \$ 8,778,829

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

Great Basin College: \$4,009,331

Western Nevada College: \$1,567,530

Truckee Meadows Community College: \$3,201,968

7. Project Name: Northern Nevada Consortium for Manufacturing and Mining

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

The Northern Nevada Consortium for Manufacturing and Mining addresses both the needs of TAA-eligible workers and other adults while also addressing the needs for a highly skilled workforce for the state's Manufacturing and Mining sectors. The colleges, in partnership with employers and the Nevada Department of Employment, Training and Rehabilitation, have determined the highest priority areas of training necessary for a highly qualified workforce for which jobs are available in Northern Nevada. These areas are welding, industrial millwright, machine tooling/computer numerical control, manufacturing production/applied industrial technology and CISCO certified networking. All are in alignment with moving the manufacturing and mining companies forward and opening opportunities for new investment in Nevada. The approach addresses the needs of the whole learner and includes strategies to decrease time to completion of training by:

- using accelerated formats;

Project Abstract

1. Applicant Name: Great Basin College (consortium applicant)

2. Applicant City/State: Elko, Nevada

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

Western Nevada College; Carson City, Nevada

Truckee Meadows community College; Reno, Nevada

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

State: Nevada. **Counties:** Elko, White Pine, Eureka, Lander, Humboldt, Nye, Washoe, Pershing, Churchill, Storey, Carson, Douglas, Lyon and Mineral Counties.

Cities: Elko, Carson City, Reno.

5. Total Funding Level Requested: \$ 8,778,829

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

Great Basin College: \$4,009,331

Western Nevada College: \$1,567,530

Truckee Meadows Community College: \$3,201,968

7. Project Name: Northern Nevada Consortium for Manufacturing and Mining

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

The Northern Nevada Consortium for Manufacturing and Mining addresses both the needs of TAA-eligible workers and other adults while also addressing the needs for a highly skilled workforce for the state's Manufacturing and Mining sectors. The colleges, in partnership with employers and the Nevada Department of Employment, Training and Rehabilitation, have determined the highest priority areas of training necessary for a highly qualified workforce for which jobs are available in Northern Nevada. These areas are welding, industrial millwright, machine tooling/computer numerical control, manufacturing production/applied industrial technology and CISCO certified networking. All are in alignment with moving the manufacturing and mining companies forward and opening opportunities for new investment in Nevada. The approach addresses the needs of the whole learner and includes strategies to decrease time to completion of training by:

- using accelerated formats;

- strengthening math skills by embedding additional content and using challenge examination to determine math proficiency in appropriate programs;
- embedding “employability” skills instruction into programs as appropriate;
- providing consistent, high-quality online and technology enhanced learning experiences that include Open Educational Resources created by previous TAACCCT funded grantees as well as newly created courses, modules and artifacts for online and face-to-face instruction in the programs offered as well as for developmental and general education courses required for the programs;
- creating educational and career pathways that are more visible and connected for students (including creating institutional “skills certificates” that are meaningful for industry sectors, stackable, and transferrable to the extent possible);
- providing intensive support services tailored to the TAA-eligible and other adult learners via Adult Learner Concierges to facilitate recruitment, enrollment, retention, and assisting with the complex processes for identifying transferrable prior learning (college credits from other institutions, military training, and work experience as well as other “non-traditional” credit); and
- creating consistent internship or practicum work experiences for the programs developed.

Credentials to be developed and awarded:

- | | |
|---|---|
| • National Career Readiness (NCRC) | • AWS Industry Certification (GMAW, FCAW) |
| • OSHA | • National Career Readiness (NCRC) |
| • NIMS: Measurement, Materials, & Safety | • National Center for Construction Education and Research (NCCER) |
| • NIMS: Job Planning, Benchwork, & Layout | • Manufacturing Standards Skills Council (MSSC) |
| • NIMS: CNC Lathe Operations | • CCSN Routing and Switching Certificate |
| • NIMS: CNC Mill Operations | • Certificate of Achievement |
| • NIMS: CNC Lathe Set-Up & Programming | • Associate of Applied Science |
| • NIMS: CNC Mill Set-Up & Programming | |

9. Populations to be Served: TAA-eligible workers and other adults, unemployed, and under-employed; priority for Veterans

10. Targeted Industry(s): Manufacturing and Mining

11. Employer Partner(s): Newmont Mining, Barrick Gold of North America, RAM Enterprises, Inc., Joy Global, Remarc Manufacturing, Inc., Micromanipulator Co., AD Hawk Inc., Jensen Metal Tech, and GE Oil & Gas.

12. Public Workforce System Partner(s): Nevada Department of Employment, Training and Rehabilitation (DETR)

13. Other Key Partner(s): The Nevada Consortium will work with both the Right Skills Now for Manufacturing and the National Center for Construction Education and Research. These non-profit organizations are dedicated to furthering standardized manufacturing (Right Skills Now) and construction and maintenance (National Center for Construction Education and Research) curricula and assessments with portable, national credentialing. We will also work with Merlot.org and Creative Commons for distributing and licensing, respectively, all open source deliverables that are created for the project.

14. Public Contact Information: Jeannie Bailey, Grants Director, Great Basin College (775) 753-2317, jeannie.bailey@gbcnv.edu.

15. 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, and the remaining 20% will be licensed or purchased.

16. Data Tags (up to 25): accelerated learning, contextualized learning, career pathways, certificate attainment, Open Educational Resources, scenario based learning, job placement, on-the-job-training, stackable credentials, online teaching/learning, retention strategies, SCORM, modular curriculum, skill assessments, stackable credentials, technology enabled learning, mentoring, retention, course articulation, simulations, and web-based training.

Greater Cincinnati Manufacturing Careers Accelerator Project Abstract

1. Applicant Name: Cincinnati State Technical and Community College

2. Applicant City/State: Cincinnati, Ohio

3. Single Institution Project Option: Option #4: Career Pathways for Adult Workers

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

State: Ohio **Counties:** Hamilton, Butler, Warren, Clermont. **Cities:** Cincinnati, Middletown, Hamilton, Forest Park, Milford, Batavia, New Richmond, Blue Ash, Kenwood, Harrison, Sharonville, Evendale.

State: Kentucky **Counties:** Boone, Kenton, Campbell. **Cities:** Covington, Florence, Newport.

State: Indiana **Counties:** Franklin, Ohio, Dearborn. **Cities:** Lawrenceburg, Rising Sun, Harrison.

5. Total Funding Level Requested: \$2,750,000.00

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

7. Project Name: Greater Cincinnati Manufacturing Careers Accelerator (GCMCA)

8. Project Description and List of Credentials to be Developed and Awarded: The Greater Cincinnati Manufacturing Careers Accelerator (GCMCA) seeks to expand the capacity of Cincinnati State Technical & Community College to deliver accelerated, high-quality education and training programs that directly address the needs of manufacturers in the Cincinnati-Middletown Metropolitan Statistical Area. The GCMCA will:

- Provide trade-impacted workers, veterans and other adults with comprehensive career/education assessments and best-in-class, accelerated programs for earning industry-recognized credentials leading to in-demand manufacturing careers;

- Build the capacity of Cincinnati State’s infrastructure to deliver these programs in the form of specialized equipment, to respond to the urgent current and future needs of regional manufacturers in the areas of CNC machining and welding;
- Build the College’s capacity to develop 2+2 articulation agreements for accelerated technical degrees with 4-year colleges in the region;
- Build the capacity of the College to partner with regional manufacturers in the early identification of future workforce needs competencies and the rapid development of new training programs that incorporate industry-recognized credentials and accelerated learning.

The GCMCA will develop curriculum and training as part of a latticed career pathway in manufacturing which offers employment opportunities in the following in-demand, high paying occupations:

Job Title	Typical Credential Required	Mos. To Earn Credential
CNC Machine Operator	Post-Secondary Certificate	9-12
Machine Tool Operators		6-9
Welders MIG/TIG	Post-Secondary Certificate	9-12
First Line Supervisors of Production Workers	Associate Degree	24
Mechanical Engineering Technician	Associate Degree	24

As part of this scope of work, the GCMCA and Cincinnati State will create two new credentials: AWS Welding and CNC Level 1 Certificates.

9. Populations to be Served: TAA-eligible workers, Veterans, Other Displaced Workers, Other Adults Underrepresented in Manufacturing

10. Targeted Industry(s): Manufacturing

11. Employer Partner(s): Wausau Paper, CTL Aerospace, Tomak Precision, Rhinestahl

12. Public Workforce System Partner(s): Southwest Ohio Region Workforce Investment Board (SWORWIB)

13. Other Key Partner(s): H2P Consortium, TAACCCT Round 1; Partners for a Competitive Workforce; City of Middletown; Ohio Small Business Development Center; Safety Council of Southwest Ohio.

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@cincinnati-state.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:

Accelerate Progress, 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, Virtual Environments, Web-based Training

ABSTRACT

1. **Applicant Name:** Oklahoma State University Institute of Technology (Independent Branch Campus of Oklahoma State University); DUNS: 078645975
2. **Applicant City/State:** Pryor / Oklahoma
3. **Single Institution Project Option:** Option #4: Career Pathways for Adult Workers
4. **State:** Oklahoma. **Counties:** Craig, Delaware, Mayes, Nowata, Ottawa, Rogers, Washington.
5. **Total Funding Level Requested:** \$2,749,686.
6. **Project Name:** *Career Pathways for Adult Workers*
7. **Project Description and List of Credentials to be Awarded:**

Employer partners in Pryor, Oklahoma, 50 miles east of the Tulsa Metropolitan Service Area (MSA), say they can hire at least 100 skilled laborers in the Advanced Manufacturing industry. OSUIT's Pryor location is located in the largest rural industrial park in the nation. The Park is poised for growth in advanced technology industries and has a strong manufacturing base. Oklahoma State University Institute of Technology in Pryor is the only institution of higher education in the six-county service area capable of offering training in the advanced manufacturing career pathway but lacks the capacity to fill employers' needs now and as they grow in the future. *Career Pathways for Adult Workers* will assist OSUIT to fill the gap by providing the necessary capacity to train at least 400 TAA-eligible workers, veterans, unemployed and underemployed participants.

The advanced manufacturing career pathway in Pryor developed via the *Career Pathways for Adult Workers* project will provide participants with comprehensive academic and student support to enter into, retain, and complete training at various points of entry and exit. OSUIT will expand program delivery to include night and weekend class and lab offerings, and add blended learning through online expansion of select courses within the program. Thus, whether participants were recently laid off, looking for work or are currently underemployed, they will soon have the ability to attend

training according to their scheduling needs. Additionally, the Google plant's provision of 13 blocks of **free Wi-Fi** in downtown Pryor will assist students with internet access.

Third-party credentials will be offered through continuing education (CE) so students may gain industry-recognized skills on a rolling basis and as they progress through their academic degree in OSUIT's Manufacturing Technology Associate of Applied Science degree program. Credentials may include NCRC, OSHA 10, MSSC, NIMS, CPT, CPL, and AWS. Credentials will be awarded credit through CE conversion and/or use of Prior Learning Assessments, which may accelerate the student's time to completion and enable them to enter into and/or advance in the industry sooner. Redesigned remedial education curriculum will also accelerate time to completion for those students who would otherwise place into traditional tracks leading to more debt with no credit earned.

Strong employer partnerships are further evidenced by **paid internships** for which OSUIT typically assigns 12 hours of credit in its Manufacturing Technology program. The institution will continue the internship portion of the program, as its 100% placement rate is largely attributed to the practical experience and exposure students receive at the job sites. Finally, wraparound student support services will ensure the student is able to access the right supports to stay in the program and complete their degree or credential. The Retention Coordinator will ensure each student applies for financial aid and related benefits (TAA, WIA, VA grants, etc.), will connect students to academic advisors, will liaison with employer partners to help students place into the appropriate internship site, and assist students with job placement via resume and interviewing skills preparation.

Community support for the project is substantial. In addition to free Wi-Fi in downtown Pryor, the local Google plant has provided \$603,000 in grants to Oklahoma schools and is a strong OSUIT partner. The MidAmerica Industrial Park Chief Administrative Officer has committed to \$750,000 in support of education programming provided by the project. The Eastern Workforce Investment Board is committed to working with OSUIT to provide eligible participants with training funds

(TAA, WIA, veterans, etc.), life skills/basic skills workshops, and resume writing/interviewing skills workshops at no cost to the grant, in addition to referring participants and working with OSUIT to ensure the program of study is on their eligible training provider list. The Small Business Development Center, Native American Business Center and Women Business Center will provide entrepreneurship classes to participants, promotion of the program to member companies, and provision of business advising and small grants and loans directly to start-up companies and with expansion needs.

8. Populations to be Served: 400 TAA-eligible workers, veterans and other adults

9. Targeted Industry: Advanced Manufacturing

10. Employer Partners: Cherokee Nation Industries, RAE Coils

11. Public Workforce System Partners: Governor's Council for Workforce and Economic Development; State Trade Adjustment Assistance Coordinator; Northeastern Oklahoma Workforce Investment Board; Pryor Chamber of Commerce; Pryor Adult Basic Education Center.

12. Other Key Partners: Manufacturing Institute, CAEL, Oklahoma State Regents for Higher Education, Small Business Development Center, REI Oklahoma (Native American and Women Business Centers), Oklahoma Manufacturing Alliance, Oklahoma Aeronautics Commission, Northeast Oklahoma Manufacturer's Council (NEOMC); TAACCCT Round II Grantees: Tulsa Community College, Flathead Valley Community College, Fox Valley Community College.

13. Public Contact Information: Beth Wild, Director of Grants & Sponsored Programs; 918-293-5178; [beth.wild@okstate.edu/](mailto:beth.wild@okstate.edu)

14. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: 50% of materials developed are developed as OER.

15. Data Tags (up to 25): accelerated learning, certificate attainment, job placement, on-the-job training, internship, open educational resources, stackable credentials, online training, hybrid training

Project Abstract

- 1. Applicant Name:** Linn-Benton Community College
- 2. Applicant City/State:** Albany, Oregon
- 3. Single Institution:** Option #3, Innovative Technology Enhancements that Support Program Acceleration
- 4. Areas Served by Grant:** Oregon
- 5. Total Funding Level Requested:**
- 6. Sub-total Requested Funding Amount by Consortium Member:** N/A
- 7. Project Name:** Virtual College
- 8. Project Description and List of Credentials to be Developed and Awarded:** Online, accelerated, competency-based education and training resulting in the following: Medical Records and Health Information Technicians (Medical Coding and Reimbursement Specialist) – certificate; Polysomnography Technician – certificate; Veterinary Technologist and Technician – AAS; Social Media Specialist – certificate; Administrative Office Professional – AAS; Office Specialist – certificate; Accounting Clerks – certificate; Accounting Technology – AAS; Business Administration – AS.
- 9. Population to be Served:** Veterans, TAA-eligible workers, and unemployed/underemployed works
- 10. Targeted Industries:** Administrative & Support (NAICS 56), Health Care and Social Assistance (NAICS 62), and Arts, Entertainment, and Recreation (NAICS 71)
- 11. Employer Partners:** Boehme and Running, CPAs LLC; Bicoastal Media; Corvallis Internal Medicine; Linn County Parks and Recreation Department; West Hills Animal Hospital; and SPA Sleep Disorders Center.

12. Public Workforce System Partners: Vocational Rehabilitation, Employment Department, and Trade Act Office (state of Oregon); Community Services Consortium (CSC); and Region IV Workforce Investment Board (WIB)

13. Other Key Partners: Linn-Benton Community College, Oregon State University, and Western Governor's University

14. Public Contact Information: Dr. Ann Malosh, Dean, Linn-Benton Community College, 541-917-4932

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: 50 percent OER program materials developed and 50 percent licensed or purchased

16. Data Tags (up to 25): Enhanced Student Services, Industry-Driven Competencies, Industry-Recognized Credentials, Job Placement, Mentoring, Modular Curriculum, Online Teaching/Learning, Open Educational Resources, Internships, Retention, Personalized Instruction, Self-Paced Learning, Skill Assessments, Stackable Credentials, Technology Enabled Learning Web-Based Training, Accelerated Learning, Achievement Rates Assessment Technology, Career Pathways, Civic and Community Engagement, Competency-Based Training, Degree/Certificate Attainment, Digital Materials, Employer Partnership

Project Abstract – MTC Consortium

1. Applicant Name: Midlands Technical College (Consortium Lead)

2. Applicant City/State: Columbia, South Carolina

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

Central Carolina Technical College, South Carolina
Florence-Darlington Technical College, South Carolina
Robeson Community College, North Carolina
Wallace Community College Selma, Alabama
Wallace State Community College Hanceville, Alabama

4. Areas Served by Grant: Three States and 23 Counties

State: South Carolina **Counties (10):** MTC – Fairfield, Lexington, Richland; CCTC – Kershaw, Lee, Sumter, Clarendon; and FDTC – Darlington, Florence, Marion **Cities:** all cities within these counties.

State: Alabama **Counties (12):** WCCS - Autauga, Chilton, Dallas, Lowndes, Perry and Wilcox; and WSCCH – Blount, Cullman, Marshall, Morgan, and Winston **Cities:** All cities within these counties.

State: North Carolina **Counties (1):** Robeson **Cities:** All cities within this county.

5. Total Funding Level Requested: \$25,000,000

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

Midlands Technical College (Consortium Lead): \$
Central Carolina Technical College: \$ 3,396,940
Florence-Darlington Technical College: \$ 3,347,916
Robeson Community College: \$ 3,393,086
Wallace Community College - Selma: \$ 3,251,562
Wallace State Community College - Hanceville: \$ 3,227,811

7. Project Name: BOOST: Building Better Occupation Outcomes with Simulation Training – New Pathways to Healthcare Careers

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

A major challenge facing the Southeast is how to train and educate the rural population. Six colleges in Alabama, North Carolina and South Carolina will implement ***BOOST: Better Occupational Outcomes with Simulation Training -- New Pathways to Healthcare Careers*** BOOST's short-term, stackable certificates will be replicated at six colleges to demonstrate how a well-structured program for entry-level healthcare workers guided by employers and infused

with technology leads to higher credential completion and worker retention rates in a variety of socio-economic or geographic locations.

The focus of BOOST is the TAA students' acquisition of education (guided by their work interests) and skills (including workforce readiness skills) that will enrich each participant's chances of employment and quickly prepare them for re-entry into the labor force. While there are many student support activities in place at each college, the BOOST activities target the completion of academic goals that have as their focus employment driven skills and education.

BOOST utilizes a strong on-line component with reduced time to completion. Many students must travel great distances to attend classes, so much of the content will be delivered or reinforced online. Students served by BOOST have financial constraints as well as work commitments and family obligations. Students can gain a certificate within two semesters and immediately be employable as their skills align with the employer-defined competencies and needs.

BOOST will serve a total of 2,016 TAA workers and other adults learners through innovative course delivery methods, new applications in simulation technology including 3D/Visual Reality, alignment with employer partners and real-time student services. These program elements will show a 75% employment rate among and a 80% credential attainment rate among completers.

Credentials:

Certified Nursing Assistant (CNA)
Phlebotomy
EKG
Patient Access Associate

Cardiac Care
Sterile Processing
Rehabilitation Technician
Patient Care Technician

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

10. Targeted Industry: Healthcare (NACIS 62)

11. Employer Partner(s): **MTC:** Palmetto Health, Fairfield Memorial Hospital, Lexington Medical Center, Providence Hospital; **CCTC:** Kershaw Health, NHC HealthCare Sumter, Tuomey Healthcare System; **FDTC:** McLeod Health, Regency Hospital, Carolinas Hospital System; **RCC:** GlenFlora, Caring Touch Home Care Agency, Southeastern Health; **WCCS:** Cahaba Mental Health, Lighthouse Rehabilitation and Healthcare Center, Warren Manor Nursing Home, Vaughan Regional Medical Center; and **WSCCH:** Hanceville Nursing and Rehab Center

12. Public Workforce System Partner(s): State TAA Program Manager; **MTC:** Midlands Workforce Development Board; **CCTC:** Santee-Lynches Regional Council of Governments, Santee-Lynches Workforce Investment Board; **FDTC:** Pee Dee Workforce Investment Board;

RCC: Lumber River Workforce Development Board; **WCCS:** Selma Career Center, Alabama Department of Labor; and **WSCCH:** Cullman County Alabama Career Center,

13. Other Key Partner(s): Healthcare Simulation South Carolina (MUSC), and Health Professions Pathways, (Round 1 TAACCCP grantee); **MTC:** Midlands Education and Business Alliance; **CCTC:** Goodwill Industries of Lower South Carolina; **FDTC:** Lighthouse Ministries; **RCC:** University of North Carolina at Pembroke, The Center for Community Action; **WCC:** Selma and Dallas County Economic Development Authority; and **WSCCH:** Cullman Area Workforce Solutions

14. Public Contact Information: Martha Hanks, Health Science Department Chair, Midlands Technical College, (803)822-3434, hanksm@midlandstech.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: Career Pathways, Simulations, Technology Enabled Learning, Learning Communities, Employer Partnership, Accelerated Learning, Certificate Attainment, Stackable Credentials, Competency-based Training, Contextualized Learning, Job Placement, Online Community of Practice, Online Teaching/Learning, and Virtual Environments

Project Abstract

1. Applicant Name: Southeast Technical Institute

2. Applicant City/State: Sioux Falls, South Dakota

3. Consortium Members and State:

- Oglala Lakota College Kyle, SD
- Sinte Gleska University Mission, SD
- Western Dakota Technical Institute Rapid City, SD
- Mitchell Technical Institute Mitchell, SD
- Lake Area Technical Institute Watertown, SD
- Southeast Technical Institute Sioux Falls, SD

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

State: South Dakota

Counties: All 66 counties in South Dakota

Cities: All cities are eligible

5. Total Funding Level Requested: \$16,558,431.00

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

- Oglala Lakota College \$1,656,326.00
- Sinte Gleska University \$2,291,835.00
- Western Dakota Technical Institute \$2,058,946.00
- Mitchell Technical Institute \$2,668,534.00
- Lake Area Technical Institute \$2,533,064.00
- Southeast Technical Institute \$5,349,726.00

7. Project Name: South Dakota Allied Health Training Consortium

8. Project Description and List of Credentials to be Developed and Awarded: The South Dakota Allied Health Training Consortium will implement the following strategies to expand and enhance the education and training opportunities in Health Care courses. Emphasis will be placed on serving rural communities and reservations to provide participants opportunities 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. Goals include: 1) Increase the number of adults earning certificates,

degrees, diplomas, and nationally recognized certificates in two years or less. 2) Replicate innovative and effective methods for designing and delivering instruction that addresses specific industry needs and leads to improved learning. 3) Improved learning outcomes of participants. The following credentials will be awarded: Certificated in Healthcare Leadership, Certificate in Certified Nursing Assistant (CNA), Diploma in Medical Assistant, Diploma in Licensed Practical Nursing (LPN), Degree in Registered Nursing (RN), Diploma in Health Information Services (HIS), Degree in Medical Coding, Diploma in Medical Office, Diploma or Degree in Dental Assistant, Diploma in Electronic Health Records, Certificate in Fire/Rescue, Diploma in Paramedic, Degree in Emergency Medical Specialist (EMS), Certificate in Magnetic Resonance Imaging (MRI), Certificate in CT Scan, Diploma in Radiology Technician (RAD Tech.)

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

10. Targeted Industry(s): Health Care

11. Employer Partners: Avera Medical, Sanford, Good Samaritan Society, Prairie Lakes Healthcare System, Rapid City Regional Healthcare, Indian Health Services

12. Public Workforce System Partner(s): South Dakota Department of Labor and Regulations, South Dakota's Workforce Investment Board, South Dakota Department of Health

13. Other Key Partner(s):

14. Public Contact Information: Jim Jacobsen, Vice-President Academic Affairs, Southeast Technical Institute, (605) 367-4875 james.jacobsen@southeasttech.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: Accelerate Progress, Assessment Technology, Certificate Attainment, Competency-Based Training, Degree Attainment, Employer Partnerships, Enhanced Course Articulation, Enhanced Student Services, Game Design, Hybrid Learning, Industry-Driven Competencies, Industry-Recognized Credentials, Job Placement, Learning Communities, On-the-Job Training, Online Teaching/Learning, Online Tutors, Open Educational Resources, Paid Internships, Retention Strategies, Simulations, Mobile Simulation Labs, Skill Assessments, Stackable Credentials, Technology Enabled Learning

Southeast Economic and Education Leadership Consortium (SEELC) Project Abstract

1. **Lead Applicant Name:** Pellissippi State Community College (multi-state consortium applicant)
2. **Applicant City/State:** Knoxville, Tennessee
3. **Consortium Members and Consortium Member States:** Pellissippi State Community College, Knoxville, Tennessee; Northeast State Community College, Blountville, Tennessee; Palm Beach State College, Lake Worth, Florida, Polk State College, Winter Haven, Florida; Randolph Community College, Asheboro, North Carolina; Vance-Granville Community College, Henderson, North Carolina.
4. **Areas Served by Grant: States:** Tennessee, Florida and North Carolina. **Counties:** Anderson, Blount, Campbell, Carter, Claiborne, Cocke, Cumberland, Grainger, Greene, Hamblen, Hancock, Hawkins, Jefferson, Johnson, Knox, Loudon, Monroe, Morgan, Roane, Scott, Sevier, Sullivan, Unicoi, Union, and Washington Counties, Tennessee; Palm Beach and Polk Counties, Florida; Alamance, Caswell, Davidson, Forsyth, Franklin, Granville, Guilford, Henderson, Montgomery, Moore, Orange, Randolph, Rockingham, Stokes, Surry, Vance, Warren, and Yadkin Counties, North Carolina. **Cities:** Alcoa, Blountville, Bristol, Johnson City, Kingsport, Knoxville, Maryville, Tennessee; Bartow, Belle Glade, Boca Raton, Lake Wales, Lake Worth, Lakeland, Palm Beach Gardens, and Winter Haven, Florida; Asheboro, Archdale, Creedmoor, Franklinville, Henderson, Liberty, Louisburg, Randleman, Ramseur, Trinity, Warrenton, North Carolina.
5. **Total Funding Level Requested:**
6. **Sub-Total Requested Funding Amount by Consortium Member (as applicable):**

College
Pellissippi State Community College
Northeast State Community College
Palm Beach State College
Polk State College
Randolph Community College
Vance-Granville Community College

7. **Project Name:** Southeastern Economic and Education Leadership Consortium (SEELC)

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

Project Description: Six colleges located in the southeastern section of the United States have banded together to form a unique and lasting partnership in order to improve education and training opportunities for dislocated workers, veterans and long-term unemployed adults, but more lastingly, facilitate a permanent change in approach to serving employers, workers and the community at-large. The ***Southeastern Economic and Education Leadership Consortium (SEELC)*** seeks to utilize the TAACCCT program as a means of systems change, whereby community colleges in a variety of diverse economic and demographic settings can serve as leaders in integrating a regional economic and workforce development—education partnership approach to improving the skills and employment of individuals, and in turn, foster a business growth climate that offers more opportunities for all members of the community.

The six colleges in the SEELC have been specifically chosen to represent economic and demographic location diversity, and all reside in states whose governors and community leaders are working together to further economic and workforce systems change. Further, SEELC integrates an evidence-based approach to implementing a regionally-based economic, workforce and education partnership in support of the development of educational and career pathways tied to national industry standards and credentials in welding, machining and manufacturing.

Credential Developed and/or Awarded: American Welding Society (AWS) SENSE Standards, AWS Certified Welder, AWS Certified Robotic ARC Welder, AWS Stainless Steel Pipe Welder 1X Level 6G, AWS Carbon Steel Pipe Welder 1X Level 6G, AWS D1.1 Structural Welder, National Institute of Metalworking Skills (NIMS) Machining I, II, and III Certifications, Programming-Mastercam Associate Level Certification, CNC Programming, Turning & Milling Certificate, CNC Operator Certificate, Wiring Certificate, PLC Certificate, Advanced Manufacturing Certificate, Certified Production Technician, PMMI Mechatronics Certification, AAS in Welding, AS in Engineering Technology, AAS in Computer Integrated Machining/Technology, AS in Engineering Technology (Develop Mechanical Design and Fabrication Specialization), AAS in Industrial Maintenance, AAS in Mechatronics Engineering Technology, AAS Degree in Electrical Systems Technology, AS in Engineering Technology (Advanced Manufacturing Specialization).

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

10. Targeted Industry(s): Manufacturing (NAICS 31, 32, and 33).

11. Employer Partner(s):

A. O. Smith Water Products	Nelson Global Products, Inc.
Altec Industries Inc.	Oak Ridge National Laboratory
Babcock & Wilcox Technical Services Y-12 National Security Complex	Procter & Gamble
Boatmate Trailers, LLC	Rockford-Ettco Proconier
Bridgestone Commercial Solutions	Rybovich
Container Technologies Industries	Southeastern Construction and Maintenance
Deere-Hitachi	SMCI, Inc.
DENSO Manufacturing Tennessee	SouthCorr
Eastman Chemical Company	Spherion
Glen Raven, Inc.	StandardAero
Green Mountain Coffee Roasters	Technimark LLC
JC Machine, Inc.	Wright Tool, Inc.
Mid-State Machine and Fabricating Corp.	

12. Public Workforce System Partner(s): Alliance for Business & Training; Division of Workforce Solutions Regional Consolidated Services; East Tennessee Human Resource Agency; Kerr-Tar Workforce Development Board; Polk Works; State of Tennessee Department of Labor and Workforce Development; WIA Smoky Mountain Board; Workforce Alliance, Inc.; Workforce Connections.

13. Other Key Partner(s): American Welding Society (AWS); EWI; National Center for Welding Education and Training (WELD-ED); National Institute for Metalworking Skills (NIMS); Business Development Board of Palm Beach County; Central Florida Economic Development Council; East Tennessee Development District; Franklin County Economic Development Commission; Granville County Economic Development; Henderson-Vance County Economic Development Commission; Polk Vision; Randolph Economic Development Corporation; School Board of Polk County; Warren County Economic Development Commission.

14. Public Contact Information: Les Fout, Director of Major Gift and Grant Development, Pellissippi State Community College, Knoxville, TN 37932, (865) 694-6529, lgfout@pstcc.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: Alignment, Articulation, Career Advising, Career Clusters, Career Pathways, Competency Assessment, Competency-based Technology, Community Partnerships, Degree Attainment, Economic Development, Educational Pathways, Employer Engagement, Industry Partnerships, Industry-recognized Credentials, Innovation, Machining, Manufacturing, Paid Internships, Regionalism, Skill Assessments, Stackable Credentials, Welding.

Appendix G: Abstract Format

Project Abstract

1. Applicant Name: Southwest Tennessee Community College

2. Applicant City/State: Memphis, Tennessee

3. Single Institution Project Option 4: Career Pathways for Adult Workers

4. Areas Served by Grant (by city, county, and state): **State:** TN. **Counties:** Fayette County and Shelby County. **Cities:** Braden; Gallaway; Grand Junction; LaGrange; Oakland; Memphis Metro Area; Moscow; Piperton; Rossville; Somerville; Williston

5. Total Funding Level Requested: \$2,661,480

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

7. Project Name: Southwest SOLUTIONS

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

SOLUTIONS will serve 550 Participants and 415 will complete a TAACCCT funded program of study. Two hundred and sixty (260) will complete credit hours and 230 will earn credentials. Participants will complete an **Industrial Readiness Training (IRT)** course, resulting in CRC and OSHA certifications, along with a comprehensive skills assessment to be charted on an online WorkingCounts CAEL Portfolio. Participants will be connected immediately to Employer Partners, who helped build the IRT courses. Participants also will be given access to **Industrial Process Training**, a stackable and latticed training model leading to certificates in Industrial Process Control Technology (IPCT) and entrepreneurship. This training will seamlessly integrate into an International Society of Automation (ISA) certification program and an IPCT AAS degree with articulation to a four-year degree. SOLUTIONS also allows on-the-job (OTJ) and entrepreneurial training opportunities, as well as online components, asynchronous instruction, and integrated data tracking for continuous quality improvement. Special consideration will be given in discovering the delivery of online components on mobile devices. SOLUTIONS also will focus on building capacity at Southwest to address other industry sectors. In particular, SOLUTIONS will expand the ability of staff and faculty to collect and track data of all Participants, benefiting Participants and all partner Work Groups.

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

The Office of Trade Adjustment Assistance (OTAA) has certified 2,241 TAA-eligible workers, based on company certifications. Of this group, the OTAA characterized the group as US Citizens (55% female, 45% male), of which 1,198 (49%) are part of a diverse workforce (Caucasian - 39%; African American -- 44%; All Other – 17%). The average age is 44 years, and the average education is a high-school diploma.

10. Targeted Industry(s): Process Control (NAICS codes: 311, 312, 322, 325, 3311)

11. Employer Partner(s): Hershey’s Memphis, Nucor

12. Public Workforce System Partner(s): Tennessee Department of Labor and Workforce Development; WIN (TN LWIA 13)

13. Other Key Partner(s): Christian Brothers University (articulation), Council for Adult and Experiential Learning (PLA Portfolio); Economic Development Growth Engine, Greater Memphis Chamber (industry liaison), International Society of Automation (certifications); Mount Wachusett Community College (MA-based TAACCCT program); Nashville Community College (AAS degree); Public Policy Associates (Outside Evaluator); Seedco (database creation); Tennessee Board of Regents (degree transfer and articulation); Tennessee Technology Center – Memphis

14. Public Contact Information: Derrice Snipes, Director of Grants Management, Southwest Tennessee Community College/Grants Office, 901-333-5275, dsnipes@southwest.tn.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	Certificate Attainment	Employer Partnership	Mentoring	Registered Apprenticeships
Assessment Technology	Civic and Community Engagement	Enhanced Course Articulation	Modular Curriculum	Retention
Basic Skills	Degree Attainment	Industry-Driven Competencies	On-the-Job Training	Stackable Credentials
Block Learning	Developmental Education	Industry-Recognized Credentials	Online Teaching/Learning	Technology Enabled Learning
Career Pathways	Earn and Learn	Job Placement	Paid Internships	Web-based Training

Project Abstract

1. Applicant Name: Security University

2. Applicant City/State: Herndon, Virginia

3. Single Institution Project Option:

- Focusing on employment engagement

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

- **State:** Virginia **Counties:** Arlington, Clarke, Culpeper, Fairfax, Fauquier, King George, Loudoun, Prince William, Spotsylvania, Stafford and Warren
- **State:** Maryland **Counties:** All
- **State:** District of Columbia

5. Total Funding Level Requested: \$2,750,000

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

7. Project Name: CSEAL Team X Project:

CyberSecurity Stacked Education Achievement Lattice: Addressing the Cybersecurity Professional Shortage via TAA-Affected Workers and Military Veterans

8. Project Description and List of Credentials to be Developed and Awarded: The overarching goals of the project is to increase attainment of certifications, certificates, and other industry-recognized credentials that match the skills needed by employers to better prepare TAA-eligible workers and other adults for high-wage, high-skill employment or re-employment in cybersecurity. These individuals are not typically drawn to, or recruited for, cybersecurity education.

Security University's (SU) **CSEAL Team X Project (CyberSecurity Stacked Education Achievement Lattice): Addressing the Cybersecurity Professional Shortage** will utilize industry recognized 5-10 day (40-80 hour) certification courses and technologies, including but not limited to:

(1) an avatar-based IT student screening program; (2) live, real-world cybersecurity attack and threat simulation education/gamification certification; (3) an expanded learning management system; (4) a cloud hosted cybersecurity hands-on offensive/defensive cyberrange training system; (5) 4 new courses developed for the grant (A+, Network+ Security+ courses) including online quizzes and instructor led streaming video with avatars; (6) a cloud-based student certification/ transcripts/records portal; and (7) a cloud-based system to recruit, register, certify and track TAA-eligible workers and veterans attending SU's latticed cybersecurity programs. These non-traditional, accelerated 5-10 day learning programs will permit SU to deliver cybersecurity credential training courses to TAA-eligible workers and veterans in the Northern Virginia, Maryland and Washington, D.C. area (VMD), which currently ranks among the top high-tech employment centers in the U.S. CSEAL TEAM X project will enhance, expand, create and replicable best in-class practices and strategies designed to prepare TAA-eligible workers for high-wage careers in the cybersecurity field, and serve as the catalyst for innovation and economic growth in the VMD region.

The CSEAL TEAM X Project will show how SU—together with workforce development partners—can quickly scale-up and deliver cybersecurity certification programs for TAA-impacted workers, including veterans and their families. The aim is to increase achievement of stacked and latticed cybersecurity credentials through innovated effective learning methods through curriculum redesign and technology that will ultimately lead to successfully preparing trade-impacted workers to work in the fast-growing cybersecurity sector.

CSEAL TEAM X Project – Cybersecurity X (7 credentials) program

COMT003 CompTIA® Security +
ISC2001 SU CISSP® Certification Training Class
4 ® Qualified/ Information Security Professional Certificate program
 QISP003 Q/EH® Qualified/ Ethical Hacker Certification (CEH training)
 QISP001 Q/SA® Qualified/ Security Analyst Certification
 QISP002 Q/PTL® Qualified/ Penetration Testing Certification
 QISP005 Q/FE® Qualified/ Forensic Expert Certification Training
 QISP004 Q/ND® Qualified/ Network Defender Certification
1 Qualified/ Wireless Professional & Wireless Security Professional Certification

Q/WP004 Q/WP Q/WSP Bootcamp

CSEAL TEAM X Project - Cybersecurity V (5 or less credentials) program

4 CompTIA® Security+ Certifications, 1 CISSP®
COMT001 CompTIA® A +
COMT002 CompTIA® Network +
COMT003 CompTIA® Security +
QISP003 Q/EH® Qualified/ Ethical Hacker Certification (CEH Training)

9. Populations to be Served: TAA-eligible workers, veterans, spouses and their families

10. Targeting Industry: Cybersecurity/Information Assurance

11. Employer Partners: DRS, SAIC, FGM, SAIC, C5i, Network Designs, Sotera.

12. Public Workforce System Partners: The SkillSource Group, Fairfax County, Arlington-Alexandria (VA) Workforce Investment Board; Montgomery County Maryland Workforce Services; Prince George's County Economic Development Corporation; Washington D.C. Workforce Investment Council

13. Other Key Partners: N/A

14. Public Contact Information: Sondra Schneider, CEO of Security University, Herndon Virginia, (203)357-7744, s0ndra@securityuniversity.net

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 70% of program materials will be developed as open educational resources, and the remaining 30% will be licensed or purchased.

16. Data Tags: Accelerated Learning; CyberSecurity, Certificate Attainment; Performance Based Competency-based Training; Digital Materials; Game Design; Industry-Driven Competencies; Industry-Recognized Credentials; Job Placement; Mobile Devices; Online Teaching/Learning; Real-time Online Interactions; Simulations; Stackable Credentials; Technology Enabled Learning; Virtual Environments; Web-based Training, Information Security.

STEM-CONNECT: CAREER TRAINING IN THE STEM DISCIPLINES
UVM CEMS Project Abstract

Applicant Name: *The University of Vermont (UVM) College of Engineering & Mathematical Sciences (CEMS).*

Applicant Address: *Burlington, Vermont.*

Single Institution: *Options: (b) Work-based Training Opportunities, (c) Innovative Technology Enhancements, and (d) Career Pathways for Adult Learners.*

Areas Served: *Vermont participants and regional employers.*

Total Funding:

Project Name: *STEM-Connect: Career Training in the Science, Technology, Engineering & Math Disciplines*

Project Description & List of Credentials to be Developed & Awarded:

STEM-Connect will expand and improve UVM's ability to deliver education and career training programs in STEM-related fields by creating certificate programs that can be completed in less than two years. Stackable certificate programs will be created in subspecialties of engineering, computer science, mathematics and statistics for traditional students and non-traditional adult learners. These programs will be developed in collaboration with employer partners and will require the completion of a combination of college courses and work-based learning opportunities. A number of the courses for each certificate will be offered online to accelerate completion and increase access. The certificate programs are designed specifically to offer new opportunities to non-traditional adult learners, with priority to veterans and TAA-eligible workers. Approximately 150 veterans, TAA-eligible workers, unemployed, underemployed and/or other adult learners are expected to be served by STEM-Connect over a four year period.

STEM-Connect will build an internal staffing infrastructure within UVM CEMS to launch active outreach campaigns in collaboration with the Vermont Department of Labor, the Vermont Army and Air National Guard, the Vermont Veterans of Foreign Wars, and other nonprofit and government agencies. Participants will be recruited into stackable certificate programs for subspecialties which may include: web

development, software engineering, computer-aided design (CAD), surveying, manufacturing processes, actuarial statistics, and computer programming. The certificate programs that include a work-based learning opportunity, such as an internship or cooperative, will be awarded college credit along with technical and general education college courses. These stackable certificates include: STEM-related technical certificate; STEM-related applied technical certificate; and a STEM-related professional certificate.

Certificate program courses will be offered either on campus, online, or in satellite locations to meet the needs of the enrolled participants. The stackable certificates will comprise between 9 and 24 college credits. These credits can matriculate into a UVM CEMS degree program with acceptance into UVM's Guaranteed Acceptance Program (G.A.P.), or can be transferred to another college or university. STEM-Connect will address the shortage of skilled workers in STEM-related fields by accelerating the productivity of students enrolled in traditional degree programs and offering expanded work-based learning opportunities while obtaining stackable credentials along the education pathway.

STEM-Connect will build on the success of a pilot internship project that was launched in 2012 in cooperation with Vermont HITEC, a nonprofit workforce development organization. Vermont HITEC has been recognized by the U.S. DOL as a "trail-blazer and innovator" in registered apprenticeship programs. The pilot program offered a systematic and managed approach to internships for participating employers and students. The pilot model has already proved its success by increasing the number of accepted students enrolled as UVM CEMS incoming freshmen, and by placing over 50 interns in 30 area businesses. STEM-Connect will expand upon this model and will provide a full slate of services including stackable credentials, cooperatives and online access, accelerating the educational pathway to employment.

Population to be Served: *Non-traditional and traditional adult learners with priority to veterans and TAA-eligible workers. Also includes unemployed, underemployed, and incumbent workers who can obtain increased wages through certificate completion.*

Targeted Industries: *Manufacturing (NAISC:31-33), Engineering (NAICS:54), and Information Technology (NAISC:54).*

Employer Partners: *Nineteen (19) employer partners have jointly signed a letter of employer engagement. These businesses include: Allscripts, Inc. – S. Burlington, VT; Bear Code, LLC – Montpelier, VT; Bluehouse Group - Richmond, VT; Dealer.com – Burlington, VT; General Dynamics - Burlington, VT; Grenier Engineering – Waterbury, VT; Harbour Industries – Shelburne, VT; Higher Turnover, LLC – Shelburne, VT ; Husky Injection Molding Systems – Milton, VT; Hypertherm, Inc. - Lebanon/Hanover, NH; IBM - Essex Junction, VT; Liquid Measurement Systems - Georgia, VT; MicroStrain, a LORD Company – Williston, VT; MyWebGrocer – Winooski, VT; Nathaniel Group, Inc. – Vergennes, VT; Northern Reliability – Waitsfield, VT; Physician's Computer Company - Winooski, VT; Revision Military – Williston, VT; Timken Company - Lebanon/Keene, NH.*

Public Workforce System Partners: *Vermont Department of Labor, Vermont Workforce Development Council, Vermont DOL Career Resource Centers (One-Stop).*

Other Key Partners: *Vermont Army & Air National Guard, UVM's Army Reserve Officers' Training Corps (ROTC), and Vermont Veterans of Foreign Wars (VFW).*

Public Contact Information: *Dr. Bernard "Chip" Cole, Interim Dean of the College of Engineering & Mathematical Sciences, University of Vermont, bernard.cole@uvm.edu, 1-802-656-8413.*

Percentage of OER Program Materials Developed vs. percentage of licensed or purchased program materials: *Approximately 90% of programs will be developed as OER and the remaining 10% will be licensed or purchased.*

Data Tags: *Accelerated learning, blended learning, career pathways, certificate attainment competency-based training, employer partnership, enhanced student services, industry-driven competencies, industry-recognized credentials, job placement, mentoring, online teaching & learning, paid internships, registered apprenticeships, stackable credentials, technology enabled learning, web-based training.*

Project Abstract

1. Applicant Name: Bellingham Technical College (individual applicant)

2. Applicant City/State: Bellingham, WA

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

Single Institution Option Four: Career Pathways for Adult Workers

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

State: Washington. **Counties:** Whatcom County is the principal training site. The project will recruit and serve students from the surrounding region, including Skagit, Island, San Juan and Snohomish counties. **Cities:** Bellingham, Mt. Vernon, Coupeville, Friday Harbor, Everett.

5. Total Funding Level Requested: \$2,748,247

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

7. Project Name: Building Nursing Pathways

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

Bellingham Technical College and its employer and workforce partners request funds to provide access to stacked and latticed credentialing and licensure for TAA-eligible workers, veterans and their spouses, long-term unemployed individuals and others in the high-wage, high-demand field of Registered Nursing (RN). The College will provide a streamlined nursing employment pathway by developing an Associate Degree in Nursing (ADN, producing RNs), a Medication Assistant certificate, a targeted LPN-RN option for Licensed Practical Nurses seeking further education, and an accelerated (2+2) pathway to BSN (Bachelor of Science in Nursing) completion. The project will enable BTC to create a Simulation Laboratory, redesign clinical experiences, transform existing curriculum approaches, create technology-enhanced

classrooms, answer employer demand for highly-skilled RNs, and address barriers for TAA-eligible, veterans, and other targeted student populations.

The proposed program will train TAA-eligible and other displaced workers to provide nursing services in Whatcom County and surrounding regions, which were identified in 2012 as Federally Designated Health Professional Shortage Areas for Primary Care. By providing RNs an accelerated pathway to a BSN, *Building Nursing Pathways* will increase the number of nurses who can provide advanced practice and primary care degrees and roles in the target area.

The program will rapidly move students to paid employment. Employers have committed to hiring ADN students as Nursing Aides and Nursing Technicians while students are enrolled in the program. The development of online and hybrid courses will offer flexibility and reach a broader geographic area, allowing working LPNs throughout the state to access the LPN-RN option. Shifting to a concept-based teaching curriculum and blended-learning environment will increase retention of students and enhance student learning. The new program will meet the changing standards of the Nursing industry and pursue accreditation through the National League for Nursing Accreditation Commission (NLNAC). Innovative clinical redesign plans include developing a Simulation Laboratory for learners to safely practice realistic scenarios and working with acute care partners to pursue development of Designated Educational Units. Program and career navigators, tutors, supplemental instruction, and additional lab support will be added to assist students.

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

10. Targeted Industry: Nursing

11. Employer Partners: Alderwood Park Convalescent Center, Bellingham Health Care and Rehab, Bellingham Operations LLC, Christian Health Care Center, Highland Care Center, Mt.

Baker Care Center, North Cascades Health and Rehabilitation Center, PeaceHealth St. Joseph Medical Center, Shuksan Healthcare Center, Skagit Valley Hospital, St. Francis Extended Care, StaffHolt Good Samaritan Center

12: Public Workforce System Partners: Northwest Workforce Council (local WIB)

13. Other Key Partners: Council for Nursing Education in Washington State, Health e-Workforce Consortium (Round 2 TAACCCT Grantee), North Carolina's Associate Degree in Nursing: Curriculum Improvement Project, Northwest Alliance for Healthcare Skills, Oregon Consortium for Nursing Education (OCNE), Skagit Valley, Lower Columbia and Whatcom Community Colleges, Washington Center for Nursing, Washington State Board for Community and Technical Colleges, Washington State Nurses Association, Washington State Nursing Care Quality Assurance Commission, Western Washington University, Whatcom Alliance for Healthcare Advancement

14. Public Contact Information: Susan Parker, Director of Grants & Special Projects, Bellingham Technical College, 360-752-8590, sparker@btc.ctc.edu

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

16. Data Tags: Accelerate Progress, Achievement Rates, Retention, Technology Enabled Learning, Simulations, Dual Degrees, Job Placement, Industry-Recognized Credentials, Industry-Driven Competencies, Career Pathways, Employer Partnership, Enhanced Student Services

1. **Applicant Name:** Northcentral Technical College District (NTC)
2. **Applicant City/State:** Wausau, Wisconsin
3. **Consortium Member(s) and Consortium Member State(s):** Blackhawk Technical College (Janesville, WI), Chippewa Valley Technical College (Eau Claire, WI), Fox Valley Technical College (Appleton, WI), Gateway Technical College (Kenosha, WI), Lakeshore Technical College (Cleveland, WI), Madison Area Technical College (Madison, WI), Mid-State Technical College (Wisconsin Rapids, WI), Milwaukee Area Technical College (Milwaukee, WI), Moraine Park Technical College (Fond du Lac, WI), Nicolet Area Technical College (Rhinelander, WI), Northeast Wisconsin Technical College (Green Bay, WI), Southwest Wisconsin Technical College (Fennimore, WI), Waukesha County Area Technical College (Pewaukee, WI), Western Technical College (La Crosse, WI), and Wisconsin Indianhead Technical College (Shell Lake, WI).
4. **Areas Served by Grant (city/county/state):** State of Wisconsin: all cities and counties
5. **Total Funding Level Requested:**
6. **Sub-Total Requested Funding Amount by Consortium Member:** Blackhawk Technical College
Chippewa Valley Technical College
Fox Valley Technical College
Gateway Technical College
Lakeshore Technical College
Madison Area Technical College
Mid-State Technical College
Milwaukee Area Technical College
Moraine Park Technical College
Nicolet Technical College
Northcentral Technical College
Northeast Wisconsin Technical College
Southwest Wisconsin Technical College
Waukesha County Technical College
Western Technical College
and Wisconsin Indianhead Technical College

7. Project Name: Intentional Networks Transforming Effective and Rigorous Facilitation of Assessment, Collaboration, and Education (INTERFACE) Project

8. Project Description and List of Credentials to be Developed and Awarded: The INTERFACE Project is a statewide project with participation from all 16 colleges in the Wisconsin Technical College System to develop, improve, and expand adult educational training pathways to careers in information technology-related occupations.

<i>Credentials¹ for Target Occupations²</i>			
Sample Title	Some college	Associate Degree	Bachelor Degree
General and Operations Manager	24.1%	8.4%	33.9%
Advertising and Promotions Managers	14.1%	5.5%	60.1%
Administrative Services Managers	28.3%	8.7%	34.5%
Medical and Health Service Managers	16.3%	12.8%	30.4%
Managers, All Other ³	20%	7.9%	34.4%
Human Resources Specialists	23.3%	9.2%	37.9%
Logisticians	26.8%	12.5%	32.8%
Accountants and Auditors ⁴	8.7%	10.3%	56.3%
Financial Analyst	8.4%	3.1%	46.9%
Computer Systems Analysts ⁵	17.2%	10.6%	44.5%
Information Security Analyst	22.2%	12.9%	43.2%
Software Developer: Systems Software	9.3%	5.4%	49.9%
Software Developer: Applications	9.3%	5.4%	49.9%
Web Developer	22.2%	12.9%	43.2%
Network and Computer Systems Admin	25.1%	15.4%	40.1%
Computer User Support Specialist; Computer Network Support Specialist	29.4%	15.8%	33.5%
Electrical and Electronic Engineering Technicians	33.3%	22.9%	14.4%
Electromechanical Technician ⁶	33.3%	22.9%	14.4%
Multimedia Artists and Animators	19.6%	9.6%	42.4%
Graphic Designer	19.6%	13.9%	43.1%
Pharmacy Technician	34.6%	19%	14.1%
Medical Records and Health Information Tech	33.6%	15.9%	11.2%

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

10. Targeted Industry(s): Information Technology related to Business, Information Technology, Healthcare, Logistics, and Manufacturing

¹ Credential information includes the percent of employees aged 25 to 44 who have attained this level as their highest degree.

² Career OneStop

³ Supply Chain Manager used as example

⁴ Accountants sub-category used as example

⁵ Informatics Nurse Specialists sub-category used as example

⁶ Electromechanical Engineering Technologists sub-category used as example

- 11. Employer Partner(s):** 3M, After Hours Computer Repair, APAC Customers Services Inc., Bootstrap Business Solutions, CDW, Collaborative Domestic Solution Center, Core BTS Inc., Coulee Bank, Doctors Foster & Smith, Footlockercom Inc., Hydrite Chemical Co., IDEXX Laboratories, JAMF Software, Manpower, McCain Foods Inc., McCain Foods USA, Menards, Midwest Communications, Miles Kimball Company, NewPage, Nsight, One Prospect Technologies, Packers Chemical Inc., Pine Haven Christian Communities, Prent Thermoforming, Printpack Inc., Rapid Control Systems, Reinders, Rivers Bend Health & Rehab, Rocky Knoll Health Care Center, Sajan, Seats, Sheboygan Senior Community, TDS, TTM Technologies, UnitedHealth Group, UW Health Partners, Wausau Financial Systems, and Werner Electric Supply
- 12. Public Workforce System Partner(s):** Wisconsin Workforce Development Association and the Wisconsin Department of Workforce Development—Job Service Centers
- 13. Other Key Partner(s):** Wisconsin Technical College System and Bellevue University
- 14. Public Contact Information:** Vicki S. Jeppesen, Director of Resource Development & Institutional Advancement, jeppesen@ntc.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):** Career Pathways, Certificate Attainment, Competency-based Training, Degree Attainment, Employer Partnership, Industry-Driven Competencies, Mobile Devices, Retention, Skill Assessments, Stackable Credentials

**WV BRIDGING THE GAP CONSORTIUM
PROJECT ABSTRACT**

- 1. Applicant Name:** Bridgemont Community and Technical College (consortium applicant)
- 2. Applicant City/State:** Montgomery, WV
- 3. Consortium Member(s) and Consortium Member State(s):**
Blue Ridge Community and Technical College, Martinsburg, WV
Bridgemont Community and Technical College, Montgomery, WV (lead institution)
Eastern West Virginia Community and Technical College, Moorefield, WV
Kanawha Valley Community and Technical College, South Charleston, WV
Mountwest Community and Technical College, Huntington, WV
New River Community and Technical College, Beckley, WV
Pierpont Community and Technical College, Fairmont, WV (formerly known as Fairmont State Community and Technical College)
Southern West Virginia Community and Technical College, Mount Gay, WV
West Virginia Northern Community College, Wheeling, WV
West Virginia University at Parkersburg, Parkersburg, WV
- 4. Areas Served by Grant (by city, county and state):** All 55 WV counties
- 5. Total Funding Level Requested:** \$25,000,000
- 6. Sub-Total Requested Funding Amount by Consortium Member:**
Blue Ridge Community and Technical College: \$2,676,385
Bridgemont Community and Technical College: \$8,829,042
Eastern West Virginia Community and Technical College: \$862,396
Kanawha Valley Community and Technical College: \$1,395,891

Mountwest Community and Technical College: \$1,237,903

New River Community and Technical College: \$1,337,106

Pierpont Community and Technical College (formerly known as Fairmont State Community and Technical College): \$2,280,934

Southern West Virginia Community and Technical College: \$1,564,279

West Virginia Northern Community College: \$1,793,154

West Virginia University at Parkersburg: \$3,022,910

- 7. Project Name:** Bridging the Gap project
- 8. Project Description & List of Credentials to be Developed and Awarded:** The Bridging the Gap Consortium will establish a culture of continuous improvement across consortium institutions, develop and implement enhanced and accelerated sector-driven career pathways, strengthen contextualized, online, blended, and remote academic instruction, and implement expanded and individualized student support strategies. Programs will award skill set certificates, certificate degrees, and associate's degrees in the manufacturing and mechatronics, energy technology, information technology and construction fields.
- 9. Populations to be Served:** Veterans, Trade Adjustment Assistance workers, apprentices, journeypersons, other non-traditional students, incumbent workers, completers of career-technical education programs, and others
- 10. Targeted Industry(s):** Energy, manufacturing, information technology, construction
- 11. Employer Partner(s):** WV Oil and Natural Gas Association, the Independent Oil and Gas Association of WV, WV Manufacturers Association, Polymer Alliance Zone, Chemical Alliance Zone, AC&S Inc., Advanced Technological Solutions, LLC, Alpha

Technologies, Inc., American Woodmark Corp., ArcelorMittal Weirton, LLC, Bayer Material Science, Chapman Corporation, City of Logan, Coal River Energy

12. Public Workforce System Partner(s): WorkForceWV; Regions 1, 2, 3, 4, 5, 6, and 7 Workforce Investment Boards

13. Other Key Partner(s):

Education providers: WV Community and Technical College System; WV Department of Education, Bluefield State College, California University of Pennsylvania, Fairmont State University, WV University, and WV University Institute of Technology

TAACCCT grantees: Community College of Denver, Henry Ford Community College, Mountwest, Pennsylvania College of Technology

Labor organizations: WV Affiliated Construction Trades Foundation, Construction Works, Inc.

Non-profit organizations: Benedum Foundation, Southern Regional Education Board, Manufacturing Institute, Center for Energy Workforce Development

14. Public Contact Information: Dr. Beverly Jo Harris, President, Bridgemont Community and Technical College. 304.734.6601. jharris@bridgemont.edu.

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: 80% vs. 20%

16. Data Tags (up to 25): Accelerated learning, blended learning, career pathways, certificate attainment, contextualized learning, developmental education, enhanced course articulation, enhanced student services, industry-recognized credentials, online teaching/learning, paid internships, self-paced learning, simulations, technology-enabled learning

Project Abstract

1. **Applicant Name:** Northern Wyoming Community College District
2. **Applicant City/State:** Sheridan, Wyoming
3. **Single Institution:** Option #1: Leveraging Previously-Funded TAACCCT Projects
Option #2: Work-based Training Opportunities
4. **Areas Served by Grant:** Sheridan, Johnson and Campbell Counties, Wyoming
5. **Total Funding Level Requested:** \$2,749,936
6. **NA**
7. **Project Name:** Pathway to Success in a Technical Career: Leveraging TAACCCT projects to improve programs
8. **Project Description and List of Credentials to be Developed and Awarded:**

NWCCD selected Option One: Leverage Previously-Funded TAACCCT Projects as its primary strategy, we will use round 1 grantees' work as much as possible. Our two apprenticeship programs address Option Two: Work-Based Training Opportunities. We will prepare students for industry-recognized credentials for machinists, award one-year certificates and two-year associate of applied science degrees in Machine Tool Technology and Welding Technology. We will tie for-credit apprenticeship training into a pathway to a degree and align non-credit seminar training and military training with academic credit through credit for prior learning. We will use a similar model to award academic credit for apprenticeship training by another provider. We will offer two online options to extend our impact to a national pool of TAA-eligible workers: 18 credit hour supervisory certificate and General Technology AAS to complement apprenticeship training.

We will work with TAACCCT Rounds 1 and 2 recipients to adapt and adopt curricula and strategies based on the similarity of their programs to our proposed projects. Preliminary conversations show that the TCC DeMaND Workforce (North Dakota and Montana) and New Hampshire's RAMP-up coalitions have made significant progress in the design and implementation of HVAC and Machine Tool Technology programs. We will seek other TAACCCT grantees whose projects align with our other technology-enhanced learning, credit for prior learning and apprenticeship for credit strategies.

We will modify the following existing programs using evidence to inform our designs: Machine Tool Technology, Welding Technology, Diesel Technology in the area of hydraulics and pneumatics, HVAC and Commercial Apprenticeships, Engineering Technician. We will deploy changes incrementally and continue the programs of study without interruption.

NWCCD has the building blocks in place to move toward full participation in the Articulation Framework for the Registered Apprenticeship College Consortium. We currently 1) award college credit for the Heating, Ventilation and Air Conditioning and Electrical apprenticeship program courses, 2) have an associates of applied science degree in General Technology, 3) offer an 18 credit hour certificate in Industrial Operations Management and Supervision totally online, and 4) have a policy whereby we award credit for prior learning. We will create a pathway for those who have completed the apprenticeship courses either at our college or another training provider to complete an AAS degree in General Technology completely online. Our AAS degrees articulate to the University of Wyoming online Bachelors of Applied Science degree, a pathway for those who have completed the apprenticeship programs to use those courses toward a bachelor's degree.

9. Populations to be Served: TAA-eligible workers, Veterans, and other adults with prior work experience

10. Targeted Industries: Mining, Manufacturing, Utilities, Transportation

11. Employer Partners: L&H Industrial, KWN Construction, Powder River Energy Corporation, Powder River Heating and Air Conditioning, Cloud Peak Energy

12. Public Workforce System Partner: Wyoming Department of Workforce Services

13. Other Key Partners: Round 1 TAACCCT Grantees: New Hampshire Consortium and North Dakota/Montana Tribal College Consortium

14. Public Contact Information: Dr. Susan Bigelow, Vice President of Development, Northern Wyoming Community College District, (307) 674-6446 ext. 2861, sbigelow@sheridan.edu

15. Percentage of OER Program Materials Developed vs. Percentage of Licensed or Purchased Program Materials: Approximately 60% of program materials will be modified from existing curriculum as open educational resources, and the remaining 40% will be licensed or purchased from a simulator vendor.

16. Data Tags: Accelerate Progress, Apprenticeship Articulation, Assessment Technology, Career pathways, Certificate Attainment, Competency-based Training, Credit for Prior Learning, Credit for Military Training, Credit for Apprenticeship, Digital Materials, Employer Partnership, Enhanced Course Articulation, Industry-Recognized Credentials, Online Teaching/Learning, Open Educational Resources, Registered Apprenticeships, SCORM, Self-paced Learning, Simulations, Skill Assessments, Technology Enabled Learning