

# **Addendum 11b**

**Stark State College /**

**Stark State College Foundation**

**Workforce-related Grant Summaries**

## **Stark State College / Stark State College Foundation Workforce-related Grant Summaries**

### **OHIO DEPARTMENT OF EDUCATION (ADULT CAREER OPPORTUNITY PILOT PROGRAM) – IMPLEMENTATION PHASE**

**Project Period:** July 1, 2015 – June 30, 2016

Through this pilot project, Stark State College and its partners seek to implement a replicable, competency-based high school-to-industry credentialing education model for interrupted-enrollment adults, age 22 and older. High school competency attainment is incorporated into the industry-credential pathway as determined by education and workforce-readiness assessments completed during the intake process. Specific industry-credentialing education pathways were selected and included based on research and assessment of job growth data collected from the OhioMeansJobs website, Ohio Labor Market Information, Ohio Jobs Outlook 2020 and other sources. The project team will draw upon foundational competency-based rubrics, Ohio Department of Education (ODE) approved workforce credentialing programs, and nationally recognized certification models to incorporate both knowledge- and competency-based credentialing pathways included in the project design. The overarching goal of the project is to provide short-term education pathways that lead to employment.

### **OHIO DEPARTMENT OF HIGHER EDUCATION OHIO MEANS INTERNSHIPS AND CO-OPS (OMIC) II PROGRAM**

**Project Period:** March 11, 2014 – June 30, 2017

The OMIC project seeks to enhance the College's connection with business partners who have a need for trained, skilled, and talented students to meet their company's workforce needs. Partnering with 13 business partners, one education partner, and seven area business development organizations, the project team will create an Internship Advisory Council and organize workshops, presentations and professional events where industry, faculty and students can interact. Additionally, the project includes a 50/50 reimbursement for employers who offer internships to SSC students in Ohio Department of Job and Family Services high-growth areas. OBR funding will be matched 1:1 by industry partners in the form of intern wages, intern mentoring time allocated by management personnel, time allocated to strategic collaborative activities, events and meetings.

### **OHIO DEPARTMENT OF HIGHER EDUCATION REGIONALLY ALIGNED PRIORITIES IN DELIVERING SKILLS (RAPIDS) PROGRAM: COLLABORATION ON CNC AND ADDITIVES MANUFACTURING (UNIVERSITY OF AKRON)**

**Project Period:** July 1, 2016 – June 30, 2018

This regional RAPIDS partnership with the University of Akron supports strategic equipment and facility investments in postsecondary workforce development programs to enhance the economic growth of students and businesses. The project focuses on programs that provide training in high-demand occupations that enable students including returning veterans, older adult students, and incumbent workers to acquire the knowledge and skills needed for them to contribute in their chosen career path, driving the growth and economic prosperity of the region. Through our involvement in the collaborative project, Stark State College is acquiring a new CNC Turning Center with five-axis table to support our Engineering Technology and Advanced Manufacturing programs.

### **OHIO DEPARTMENT OF HIGHER EDUCATION RAPIDS-OMIC III: NE OHIO REGIONAL CONSORTIUM INTERNSHIP AND CO-OP PROJECT**

**Project Period:** July 1, 2016 – June 30, 2018

Through this project, the Northeast Ohio RAPIDS-OMIC Consortium (Stark State College (lead), Cleveland State University, Cuyahoga Community College, Kent State University, Lakeland Community College, Lorain County Community College, North Central State College, the University of Akron and Youngstown State University) will strengthen ties between industry and academia within key regional industry clusters through internship/co-op placements, employer partnership education, industry marketing and other approaches that enhance

employability skills, student support services and academic success toward completion. The project will support 122 internship/co-op placements with 26 regional companies between July 1, 2016 and June 30, 2018. Internship/co-op opportunities will support both STEM and non-STEM occupations in the high-demand/high-growth industry sectors of Advanced Manufacturing (NAICS 31-33); Professional, Scientific and Technical Services (NAICS 54); and Healthcare and Social Services (NAICS 62). Beyond the traditional OMIC internship and co-op placement activities, the consortium will implement a multi-tiered approach to develop a sustainable experiential learning partnership model for the region.

**OHIO DEPARTMENT OF HIGHER EDUCATION WORKFORCE DEVELOPMENT EQUIPMENT AND FACILITIES PROGRAM: PORTABLE WELDING FACILITY (EXTENDED)**

**Project Period:** March 11, 2014 – June 30, 2016

This project seeks to develop a self-contained portable welding facility to provide onsite welding education to manufacturing and energy industry partners, high schools and career tech centers in northeast Ohio. The project will capitalize on the comparative advantage of partners such as Team NEO, MAGNET, the Stark Development Board, the Canton Regional Chamber of Commerce, school districts and industry partners to develop a customizable welding education program and create efficiency of and access to training and certification opportunities for incumbent workers and the future workforce. Through this project, the team will seek to train approximately 160 student from a cross section of Ohio constituents including, but not limited to traditional and nontraditional students, women, veterans, incumbent workers and underserved populations that would not normally have access to the state-of-the-art equipment and training opportunities to be provided through this project.

**OHIO MEANS JOBS (MEDINA): RIGHTS SKILLS NOW/MAKE IT IN AMERICAN NIMS CNC PROGRAM**

**Project Period:** September 1, 2015 – August 31, 2016

This project seeks to incorporate National Institute for Metalworking skills (NIMS) CNC Programming curriculum into the College Engineering Technology programs. Through this project, Funded by the U.S. Economic Development Agency through Make It In America, the College will increase postsecondary access, enrollment, retention and completion rates for a broad variety of students including, but not limited to, underserved, first-generation-to-college, displaced workers, incumbent worker and veteran populations; reduce student time-to-completion and tuition costs; promote NIMS certification pathways; support the key Ohio Department of Job and Family Service (ODJFS) in-demand sector of manufacturing (automotive and advanced manufacturing); and integrate more work-based learning opportunities that benefit students and employers.

**U.S. DEPARTMENT OF AGRICULTURE HIGHER EDUCATION CHALLENGE GRANT: SUSTAINABLE AGRICULTURE EDUCATION PATHWAYS (OHIO STATE UNIVERSITY)**

**Project Period:** March 15, 2016 – March 14, 2018

This USDA collaborative project seeks to develop a standardized sustainable agriculture education pathway in Ohio that promotes transfer of course credits in certificate and associate degree programs into baccalaureate programs. The Consortium's education design includes practical experiences on farms associated with the network of participating institutions as a set of common experiences and grounding in STEM principles in action. Students will work in interdisciplinary teams to plan and execute entrepreneurial projects, service learning and social entrepreneurship in particular, contributing both to Ohio community needs and recruitment of k12 students into agricultural degree programs. New courses will be developed for the baccalaureate major, complementing and aligning with existing courses at partner institutions.

**U.S. DEPARTMENT OF LABOR (TRADE ADJUSTMENT ASSISTANCE COMMUNITY COLLEGE AND CAREER TRAINING (TAACCCT) PROGRAM): SHALENET (PENN COLLEGE)**

**Project Period:** October 1, 2012 – September 30, 2016

The ShaleNET US consortium provides entry-level certifications and talent match system services to primary unconventional shale play regions in the U.S through a series of credit-based stackable and latticed certificates and degree programs. The initiative incorporates training opportunities in the four primary components of oil and natural gas production and consumption: upstream, midstream, downstream, and instrumentation/electronics. To address advanced skill requirements, the project will integrate new online curriculum into a blended instructional environment by designing, testing, and deploying online software that will allow students to digitally control specific pieces of common industry equipment in a simulation environment for the targeted occupations. The project includes a three-year project period followed by an additional one-year post-project tracking/reporting/evaluation period.

**U.S. DEPARTMENT OF LABOR (TRADE ADJUSTMENT ASSISTANCE COMMUNITY COLLEGE AND CAREER TRAINING (TAACCCT) PROGRAM): ADVANCED MANUFACTURING (LORAIN COUNTY COMM. COLL.)**

**Project Period:** October 1, 2014 – September 30, 2018

With industry input, 11 colleges in the Ohio TechNet TAACCCT project will develop an advanced manufacturing competency model that promotes job readiness, prior learning assessment, basic skill development, pathways to certificates/degrees, employer involvement, online/hybrid courses, and work-based learning. The project will leverage business links with employers contributing to curriculum and identification of skill needs. To meet state goals and industry needs, the colleges will focus on training in the high-need areas of Welding, CNC/Machining, Industrial Maintenance, Digital Fabrication/Industrial Automation; and Occupational Safety. Colleges also will: work with the state to create a web-based repository of grant developed products; leverage existing infrastructure of the University System of Ohio Talent Development Network; and promote collaboration with state leaders to integrate individual-level wage data to track participants at work. These new capacities will empower colleges to scale up innovations into comprehensive, systemic reforms that advance state career pathways and support priorities for economic development and student success.

**U.S. DEPARTMENT OF LABOR (H1-B TECHNICAL SKILLS TRAINING PROGRAM): INFORMATION TECHNOLOGY**

**Project Period:** May 1, 2012 – June 30, 2016

Stark State College (SSC) will partner with the Workforce Initiative Association (d.b.a. - Employment Source, Diebold Corporation, other IT employers and the RITE Board to address the IT professional hiring needs of local employers. Stark State will work with the Employment Source (ES – the local WIB/workforce system) to identify and recruit 125 dislocated workers or long-term unemployed individuals who have prior IT education and training and/or employment experience in an IT profession but have lost their job due to a combination of economic conditions and outdated skills. Participants will undergo skills assessments by SSC and ES to determine their existing IT skill set.

**DOMINION FOUNDATION: PIPELINE LOCATOR TRAINING EQUIPMENT PROJECT**

**Project Period:** July 1, 2014 – August 1, 2015

This project will allow the College to purchase locator flags and five multi-frequency line locator kits consisting of a transmitter, receiver, carrying case, battery charger and a grounding kit. The equipment will enhance the College's Pipeline Technician Program and help students prepare for entry-level positions in natural gas, refining, power generation and various plant processes where there is an emphasis on pipeline transportation. The project complements other pipeline training equipment located at the College's Well Site Training Lab. The project will directly impact 70 students per year -- 32 to 36 students during the fall 2014 semester and 42-48 during the spring 2015 semester.

**TIMKEN FOUNDATION: W.R. TIMKEN CENTERS UPGRADES AND TIMKEN ADVANCED MANUFACTURING CENTER DEVELOPMENT**

**Award Amount:** \$1,100,850

**Project Period:** August 1, 2016 – July 30, 2018

This project supports strategic upgrades to the W.R. Timken Center and Advanced Manufacturing Lab at the ATC to enable the College keep pace with the changing education technology needs and skill training requirements of regional employers. Specifically, the project will support infrastructure upgrades in the W.R. Timken Center; acquisition of strategic Information Technology equipment supporting the programming, cybersecurity and video graphics programs; acquisition of Advanced Manufacturing education and 3-D printing equipment; and renovation of two computer labs, a robotics lab and some upgrades for the Advanced Manufacturing lab in the ATC.