

Recipient: Front Range Community College

Grant Number: TC-24976-13-60-A-8

Quarter Ending: 06/30/2015

**Quarterly Narrative Progress Report
Trade Adjustment Assistance Community College and Career Training
(TAACCCT) Grants**

Project Name:

Colorado Helps Advanced Manufacturing Program

Grant Number:

TC-24976-13-60-A-8

Award Year:

2013

Report Quarter Ending:

06/30/2015

Date of Submission:

08/13/2015

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A. Quarterly Summary for Grant Activities

FRCC Vision Engineering Dynascope was transferred from the Westminster campus. A part-time Data Analyst hired to provide grant reporting data. Ten machining students are working on NIMS certifications this summer. As of June 30 these students have earned 13 certificates with an additional 8 more planned for July. Mountainside Medical registered with the DOL for an Apprenticeship in Machining. RRCC OER course content development continues and ADA requirements are being finalized. Three CAD certificates were approved. Revisions and updates are being made to the Course Playbook for data alignment with CCCS. Staff attended regional networking and national career coach training events. We are finalizing a plan to increase student completers. Employer partners added new positions and internships. Aims All required courses have been published to OER. 4 faculty had formal training on new equipment. EGTC budget modification submitted. Construction continues on new Trades campus. CHAMP Mgr develops resume template and facilitates development with Welding and Mfg Tech students, and begins referrals for job placements. CCD finalizing details to certify and open the CCD Advanced Manufacturing Center for Fall 2015 classes. CCD CTE has received \$1.8M in new equipment and has expended \$2,542,665 of grant funds for rent and remodeling of AMC; staff costs, EGT, MAC & WEL program enhancement, and machines, printers & scanners and welding equipment to meet

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the industry needs of Denver local AM firms. PCC work on Prod Tech from employer feedback, funds moved from equip to supplies, 6, 10 fall weld students now working in field / created intake form for weld & mach prog. / final draft of WBL agreement / -started 8 wk fast track wel. PPCC Equipment fully delivered. Electronics, Machining and CAD advisory boards. Course development nearly complete. Numerous recruiting events, increased student advising. Webpage developed/approved by PPCC for posting. Skills USA competition and student awards. Adjunct hiring in progress. MSU Completed training and began printing with the ProX100. Completed lab documentation for new courses. Continued to refine infrastructure and design workflow for DMS, VARTM, Compression Molding Machine and EDM activities. All equipment has been purchased and is up and running.

B. Status Update on Leveraged Resources

Provide an update on the organizations that contributed the resources:

FRCC Action Industries presented to the Intro to Mac class on career pathways. Moyer Machine also presented to Intermediate Mac class on career pathways. RRCC Coors Tek donated a new height gauge. PCC O'Neal Steal - PCC gets unused steel discs for welding students. When completed, scrap is returned to O'Neal. Beller Fabrication donated aluminum. PPCC Marketing and Comm Website training, web development and publishing. Fort Carson Education Center and PPCC MVP—consultation to help us develop our recruiting plan for military and veteran students.

Provide an update on the ways in which the resources were used during the current quarter:

FRCC Vision Eng Dynascope is being used in MTE 130 & Quality for the Machine Shop to train the students to measure material surface properties. RRCC mazak machine upgrade was installed just before the end of the Sp sem. Height gauge has been integrated in courses CCD finish remodeling AMC building and to support logistics in moving large MAC & WEL equipment to expanded spaces at the Ad Mfg Center. PPCC Fac Maintenance 220v power connection. Maximized use of limited facilities space by improved shop layouts.

Comments:

none

During this quarter, did you receive any additional leveraged resources beyond what is listed in your statement of work?

Yes

C. Status Update on Employer(s) Involvement

Discuss how the required employer(s) has been involved during the current phase of the project.

FRCC Discussed new training opportunities with Manes Machine and Engineering and Mountainside Medical. Metalcraft Industries, Woodward, and Moyer Machine aided "Professionalism" curriculum development. Aims Woodward toured our facility and met with our facility / • internships with JBS, Leprino, Lightning HYbrids Woodward & Wolf Robotics. EGTC, CCD in comments below.

Outline specific roles and contributions of the employer(s) during this quarter.

FRCC Two additional activities took place this quarter. St. Vrain Manufacturing attended a collaboration meeting with Tallahassee CC. Ball Aerospace participated in curriculum development activities. RRCC Barber-Nichols, Accu-Precision, Faustson Tool, and Igram. continue providing positions for CHAMP and MAC students. Davis Manufacturing created one internship. CCD sector partnership meetings, wf investment board meetings and advisory group meetings in support of EGT/CAD, MAC & WEL. PCC below

Identify any challenges encountered/resolved in the development and management of the employer involvement.

FRCC lost key advisory board member. RRCC students have little interest in internships. Aims has more employers, more internship and job openings, than we have students / Many Weld employers target 4 yr institutions. It has been a challenge getting them to be more innovative when it comes to 2 yr colleges, making. CCD students who are finding meaningful employment prior to securing a

credential.

Discuss new employers and commitments that may have been added to support the project.

Aims NREL/Harsh International/St. Vrain/Aleph Objects/Ability Composites/Wolf Robotics/Woodward/Lightening Hybrids/Zometool/SparkFun/Celestial Seasonings/New Tech. Mach/Behlen Building systems. EGTC Sterling Construction, Center for Workplace Initiatives, UPS, Brickman/ValleyCrest, SEMA Construction, Summit Equipment. Emerson Process Management, Viking Fabrication, Premium Pet Health. MSU Lockheed Martin co-op student opportunities

Comments:

EGTC Career Fair and job postings: RK Mechanical, CLP a Trueblue Company, Denver Career Service Authority, TLC, Kiewit, Sterling Construction, Denver Public Schools, High Country Technology, High Plains. CCD RK-Mechanical, Mountainside Medical and The US Mint - Denver have been instrumental in supporting extended efforts to hire and train program students & support experiential learning for CCD students. PCC Vestas, Evraz input on WBL agreement, dev work plans / Liberty Rail, D&E Steel, Smidh Const. hired welders / participated in tech job fair

Have you had any consultation or advisory meetings with business or employer partners during this quarter?

Yes

Were there any direct hires of program of study completers by employer partners during this quarter?

Yes

Were internships or other work-based learning opportunities posted during this quarter?

Yes

Did you acquire any additional employer partners during this quarter?

Yes

D. Timeline for Grant Activities and Deliverables

General Comments:

FRCC Mach had a booth at the N CO Mfg Partnership trade show on May 6. Many manufacturers became aware of the program for the first time. The Navigator continues in-classroom outreach to students for periodic check-ins. Progress has been made in developing specific activities and expectations for teaching “professionalism” in the classroom. Outcomes have been agreed upon and the team is working to come up with specific activities to be completed in the classroom. RRCC We went from 1 fulltime faculty to adding 4 adjunct faculty. Aims All curriculum has been modified and uploaded as OER. EGTC CHAMP Manger hired. Prepared for and responded to DOL Monitoring visit with input from Welding and Manufacturing Technolgy programs, EGTC and Trades campus administration. Institutional Research, and Finance. Worked with CCCS and EGTC Finance to develop three mock budgets and draft budget modification letters. Met with CCCS and

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EGTC to broker budget categories. Completed most of the OER classes; continued development of MTE 106 with input from faculty, in-house staff, and contract developer. CCD spent 71 % of CHAMP grant funding as of June 30, 2015. Developed ongoing AM programs in engineering graphics-mechanical, machining, welding and manufacturing technology with emphasis in industrial maintenance for certification. CCD CHAMP team is discovering new and different strategies for outreach to local TAA-eligible participants, including outreach to US Veterans who are in transition from cutbacks, parents of current CCD students and sons and daughters of CHAMP employer partners. PCC Prof Dev for online teaching/redesign of WBL agreement, student objectives, eval/confirm prod tech cert/tech job fair /career skills workshops/data analysis/dev and recruit for summer welding8 wks/tradeshaw participation MSU Met with Montbello WFC. Created addendum to the MSU Denver Pre-engineering Transfer Agreement, the articulation agreement has been signed by MSU officials. This is adding relat

How many programs are you planning to offer?

9

As of this quarter, how many programs have you launched to date?

9

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F. Key Issues and Technical Assistance Needs

Title	Description
None to report this quarter.	No key issues or assistance needs to report for this quarter.

G. Best Practices, Promising New Strategies and Success Stories

Best Practices and Promising New Strategies

1 apprenticeships

Mountainside Medical received approval for a DOL machinist apprenticeship which will involve FRCC machining in classroom training. It is hoped that by publicizing this other companies will take an interest in developing a similar apprenticeship.

2 sustainability

Faculty and staff are considering post-grant program sustainability including the following: 1) Industry-focused stackable certificates, 2) Clear certificate and degree pathways, 3) Internship to work pilot for all participating students, 4) Piloting evening courses as part of the degree pathway for daytime students, 5) Researching alternative funding sources, 6) Accelerated courses that better serve incumbent workers.

3 Employment updates

CHAMP Manager is physically posting and emailing relevant job postings to all Welding, Manufacturing Technology and Building Trades students and completers. This has generated interest and prompted students who are no longer on the campus to update us on with their employment. Businesses who have employed our graduates become part of our employer partnership database, and can be contacted for future openings and industry information.

4 Increasing completers

Navigators are doing degree audits of program participants and contacting people who have completed certificates/degrees but have not applied for graduation.

5 Employability course

MSU does a brief presentation to all students in each of the classes directly touched by the CHAMP Grant. This presentation will walk them through the Non-Banner course for their individual study. Development of relationships between personnel and the student body continue to mature, developing excellent student buy-in. Additional portions of the student body have been allowed supervised access to the equipment, including part manuf

Success Stories

1 Strong communication CCD

Coordination and communications in the CHAMP Consortium across the State of Colorado has been effective and timely. Ongoing help and support from CHAMP Leads and CHAMP Industry Partners, and, from CAMA and RMTMA leaders is invaluable to the success for the grant. CHAMP Leads and industry advisors are focused on meeting and exceeding the Statement of Work requirements of the TAA-CCCT grant, as outlined by DOL-ETA monitors.

2 high retention PCC

continue to see retention and completion numbers much higher than traditional courses in the block courses that have a cohort of students that go through the courses together. / -ID method of working with instructors to get course content put together. Although tedious and somewhat slow, the result is an excellent course that does not need much revising so work does not have to be done more than once.

H. Additional Outcome Information

FRCC All students who were seeking employment found jobs well before the end of the Spring 2015 semester. Based on feedback from Rutgers, RRCC is committed to developing placement outcome tracking processes in line with other consortium members, employer partners, and CCCS. , 2015. One of the dynamic trends in the CCD CHAMP programs has been our ability to attract, retain, certify and train females in Machining and Welding professions. These qualified women have found jobs and meaningful careers in the Denver metro area.