

Recipient: Front Range Community College

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

Quarter Ending: 09/30/2014

**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:

09/30/2014

Date of Submission:

Not submitted

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A. Annual Summary for Grant Activities

Built infrastructure, course builds, submit equipment approvals, purchased equip, began or completed renovations. Ex FRCC Advanced Technology Center

http://www.timescall.com/longmont-local-news/ci_25799856/

longmont-home-frccs-new-million-dollar-machining-facility . On track to begin courses SP 15 with 6 of 9 programs at 90% course development completion. New certs/degs approved by CDHE and HLC. ID team built Course Playbook - includes All CHAMP courses, will be used to track enrollment/completion data and OER. Created Master Courses to share on D2L. Reduced duplication and expedited development. Programs publishing content to OER as developed:

<https://www.cccs.edu/partnering-for-success/trade-adjustment-assistance/taa-champ/taa-champ-projects/>.

CCCS ID and team created MOOCs: Technical Math for Industry & Employability Skills for Industry. Math ran Q2 and Q4. Q2 686 registered, 180 completed, 13 80% or better on final exam and awarded certificate of completion. Students urged to take challenge exam for MAT 108: Technical Math a requirement for many AAS degra and certs. Challenge exam created for common use. Employability Skills MOOC : Navigators and industry partners, content: soft skills employers identify as lacking. 733 currently registered, ends Dec 1. Advisory group (program leaders, faculty and industry experts) met monthly,

program/course development. Leadership group (industry and organizational partners) met quarterly. Credit for Prior Learning Committee revised policy/developing CPL handbook. Policy submitted to State Board of Community Colleges. Removed rule that required students to transcript one credit in residence prior to earning CPL. Created mechanism for colleges to consider how credit is transcribed to enhance articulation and transfer. Launched interactive career tool MfgWorksCO.com with career guidance, job posts, educational programs and info about Colorado AM industry. Developed through interviews, committee of AM industry reps, CHAMP schools. Webinar to intro site, tutorial, and a promotional video located here: www.cccs.edu/partnering-for-success/trade-adjustment-assistance/taa-champ/taa-champ-resources/ Section designed for Military with job crosswalk to AM careers http://cocareactiontools.com/industry-crosswalk#xw_Military. CHAMP Navigators contributed to the Employability MOOC, made site visits to industry, created links to workforce centers and industry, supported Vets and built college to college collaborations.

B. Status Update on Leveraged Resources

Provide an update on the organizations that contributed the resources:

FRCC: Mountainside Medical CO, LLC and AME, Inc. continued to contribute materials to Machining program. Geotech EE provided meeting space and support for meetings sponsored by CAMA and a new Metro Manufacturing Partnership, launched by Workforce Development. Atlas Pacific donated stainless sheets. RRCC: Coors Tek; Davis Manufacturing; Barber Nichols; Faustson tool; Ingram Machining; Techniques LL; Accu-Precision; Lockheed Martin; Stacy Machine & Tooling; Warren Tech; Advanced Coordinate Technology; Accellent; Coors; ALIO Industries; Reefel Metals Foundry; Xcel; Lake Region Medical all contributed.

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

2 older video inspection systems were donated, and have been used to develop curriculum for classes starting in January; advisory committee decisions on equipment and shop layout; curriculum development; internship and employment opportunities; renovation needs

Comments:

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: Advisory board: Metalcraft Inc, Mountainside Medical, St.Vrain Mfg. Whip Mix Corp, Woodward.Hirsh Precision. LCC: Worked with employers to provide day planners to all CHAMP students. CCD: Five of our six CHAMP Partners active support Q4:sponsored AM meetings,hosted tours,guidance on new courses.PPCC:JPM invited to CAD/MAC Advisory Board meeting.JPM provided two PPCC graduate employees to speak with students at AM forum PCC:ROCLA invited tm for tour& mtg re:interns.

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

Woodward Ops Dir panel Bixpo.Committee study impact of softskill training.Aerotek hiring for MAC & EGT grads,Davis,Action machine MAC learning objs.AME,Geotech host meets wstudent/staff.LeprinoFoods Ops Mgr,agenda for advisory,deg/Certs forIT.PPCC Helped withMfgForum plan,2 employees on panel.CEOgave tour of facilities,equipment.Discuss internshipsjobs.ROCLA -internships for elecmech students.Elec interns available for 2yr.QualTek,Trane,Kurt,Targetdev of ProdTech curric. Equip&shop layout,curric

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

CCD: One of our CHAMP partners experienced a sizable downsizing as a result of not getting an important contract. We recommended that they work with other CHAMP partners (Aerotek) to transition outplaced workers as there is a great need for machinists and assemblers in AM in the metro area. PPCC: Quantum has terminated our relationship due to drawdown of the Colorado Springs plant and movement of VP (our primary POC) to another company. Equipment donation of Track K2 milling machine cancelled

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

Hirsh Precision, LCC workforce center to allow navigator four hours one day on site. CCD: Dairy Engineering Co. William Hirsh, Donkey Quality Corp., Lon Kraft, CAP Logistic, Denver / Commitments: RTD ; CityCounty of Denver, Goodwill Industries, DIA, BNSF, MSU Polystand, Inc. potential. Toured Protogenics. PPCC: Western Forge, 3D Print Store, PSI (6 jobs), Skyline Skylights (3 internships)

Comments:

Advisory group feedback: employers reluctant to enroll employees - ROI, Soft-skills training hot issue, great variance in expectations, type and effectiveness of training. New relationship with CAMA OEDIT- re development of SMART Centers for Advanced Industries. Using the CAMA Job Board to connect students to jobs / internships. X-Cal Corp started training faculty and students on 3D printer capabilities. Members of Mechanical Engineering Technology's Industry Advising Board exp interest in CHAMP. Met with PPCC Workforce Dev re: flow of info on employers / partnerships / jobs / internships.

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:

As of 9/30/14, the CHAMP grant is on time and progressing through all identified activities. We experienced some delays in equipment purchasing while waiting for approvals and also in renovations for the same reason, but all programs are now on track to meet course delivery deadlines (4/2015). See www.cccs.edu/champ for documentation of all activities and archive of all materials created with CHAMP funds. Also see

<https://www.cccs.edu/partnering-for-success/trade-adjustment-assistance/taa-champ/taa-champ-projects/> for curricula and OER links. Priority 1:1.1 On Time:Redesigned CPL Learning System:Policy reviewed, submitted to Board. Handbook in development,Vet support via training/MfgWorks.com, data system tracking in place/being enhanced. 1.2B On Track: 6 or 9 programs at 90% development as of 9/1/14. All will have certificates running in SP15.1.2C On track:Team formed, Competency crosswalks/articulation work begun with MSU and CCD curriculum using existing and developing agreements.1.3D Navigators hired, Student Success Course development on track/MOOC dev complete, significant work in all programs building industry and workforce center partnerships. Priority 2:2.1 On track.Hybrid online: curriculum published to OER/Master course builds have hybrid delivery models. D2L shell open for shared use. Colleges developing alternative delivery as able in lab environments. 2.2 On track. CAEL developing AM portfolio template w/SME support:delivery SP15. Priority 3: 3.1 On track. Employment/soft skills curriculum developed, significant job search resources included in MfgWorksCO.com build. 3.2: Completed. MfgWorksCO launched Oct. 1 2014. 3.2 Ongoing/on track: Programs including internship and apprenticeship building activities in all interactions. Specifically identified and tracked in all of the CHAMP colleges with research/outreach currently being done to secure internships in new partner industries. CCD opened new Professional Internship Program.

How many programs are you planning to offer?

9

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

8

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F. Key Issues and Technical Assistance Needs

Title	Description
Equip/rennov approval delays	Delays in equipment purchases due to DOL approvals lag and internal purchasing system/bid system changes have set timelines for program launch back at two colleges. State rules for renovations also a factor in delay. Courses will begin to be delivered in SP15 but not all will be ready that semester.

G. Best Practices, Promising New Strategies and Success Stories

Best Practices and Promising New Strategies

1 Navigator embedded services

The FRCC Navigator makes connections to employers/students where they work. Goes to classes to meet/engage students in support activities. Goes to businesses to meet/tour/learn and make connections. Reaches a larger group with deeper connections: proven student success strategy, popular with industry/respectful of their time/effort.

2 Accelerated Machining Cert

Accelerating Machining cert to one semester. Allows us to serve incumbent workers wishing to upgrade their skills as well as TAA or veterans who would like to complete a certificate a shorter amount time to get back to work sooner. Increasing hybridization of accelerated courses to at least 50% online to accommodate additional classes.

Success Stories

No Information to validate!

No Records Found

H. Additional Outcome Information

No additional information available.