

Docket Item:

Community College Approval: Chemeketa Community College, Certificate of Completion in Construction Trades and Apprenticeship Readiness 46.0000 – Construction Trades, General.

Summary:

Chemeketa Community College proposes a new Certificate of Completion in Construction Trades and Apprenticeship Readiness. Higher Education Coordinating Commission (HECC) staff completed a review of the proposed program. After analysis, HECC staff recommends approval of the degree as proposed.

Staff Recommendation:

The HECC recommends the adoption of the following resolution:
RESOLVED, that the Higher Education Coordinating Commission approve the following degree: CC in Construction Trades and Apprenticeship Readiness.



Chemeketa Community College seeks the Oregon Higher Education Coordinating Commission's approval to offer an instructional program leading to a Certificate of Completion in Construction Trades and Apprenticeship Readiness.

Program Summary

The Construction Trades and Apprenticeship Readiness Certificate of Completion prepares students for entry-level construction jobs and Registered Apprenticeship programs in a variety of construction trades. These include sheet metal workers, HVAC/R technicians, plumbers, carpenters, and laborers. The program ensures students meet the math requirement for apprenticeship applications and includes coursework to investigate and select possible trades careers. APR101, Trade Skills Fundamentals, introduces trade vocabulary, hand and power tool use, rigging principles, basic blueprint reading, and safety. Students learn about Registered Apprenticeship and how to strengthen their resumes and applications to secure and retain positions.

1. *Describe the need for this program by providing clear evidence.*

People interested in applying for Registered Apprenticeship programs earning this certificate would learn essential trades skills, meet the math requirement, and learn more about seeking and securing employment. This knowledge will assist in applying for programs. Certificate holders would also be eligible to complete the additional requirements for the Chemeketa Campus-Based Pre-Apprenticeship Program, which includes taking additional safety trainings.

Certificate holders would also be competitive for entry level construction jobs, which are often a stepping stone to higher paying careers in more skilled trades. The certificate of completion meets eligibility requirements for Job Corps Scholars and STEP grant participants, which means the students may not need to pay for the courses.

2. *Does the community college utilize systemic methods for meaningful and ongoing involvement of the appropriate constituencies?*

The college uses a range of sources to establish ongoing partnerships with its community constituencies. Some of these partnerships include: Northwest Commission on Colleges and Universities, the State Board of Education, Community College Workforce Development, employment advisory boards, student placement organizations, and licensing boards for appropriate occupations.

The Construction Trades and Apprenticeship Readiness Certificate was approved on April 26, 2021 by the Chemeketa Community College's Curriculum Committee and then approved by Chemeketa Community College's Board of Education on June 23, 2021.

Chemeketa Community College has partnerships with local high schools to offer courses in their schools for college credit. These courses will prepare students for entry into the program soon after graduating. Other required and general education courses will be valuable in preparation for entrance into the program and the workforce.

Collaboration with workforce and economic development partners assists the college to build a skilled and trained workforce ready to enter their fields immediately upon completion of the program. The Apprenticeship department that will be offering this Construction Trades and Apprenticeship Readiness Certificate has an advisory committee composed of professionals from across the Willamette Valley:

Wayne Wineland, Salem Heating & Sheet Metal, Salem
 Steve Vedrode, Santiam Heating & Sheet Metal, Stayton
 David Garrett, Santiam Heating & Sheet Metal, Stayton
 Al Stephens, Stephens Heating & Air Conditioning, Corvallis
 Robert Carson, Salem Heating & Sheet Metal, Salem
 Austin Stricker, Sheet Metal Solutions, Tangent
 Darrin Combs, Santiam Heating & Sheet Metal, Stayton

3. ***Is the community college program aligned with appropriate education, workforce development, and economic development programs?***

The courses for this program have been approved by the advisory committee so that students are fully prepared for the workforce. The program courses are:

- APR101, Trade Skills Fundamentals, 4 credits
- FE120 Career Jump Start OR APR280C 3 credit internship
- MTH070 or higher
- AUM168 OR CAM054 OR WLD151 OR WLD156 OR ELT100 OR ELT131 OR APR156A or APR166A

These courses were approved by the advisory committee on 1/27/2021 for Mid-Valley Sheet Metal and 1/19/2021 for Mid-Valley HVAC/R .

Chemeketa's Construction and Apprenticeship Readiness program will lead to employable skills at the end of the program. Individuals in this field earn an annual wage of \$43,964 per year and starting wages at \$29,390/year (qualityinfo.org), therefore it will allow these students to enter the workforce in a family-wage career.

4. ***Does the community college program lead to student achievement of academic and technical knowledge, skills, and related proficiencies?***

The design of the program is a 15+ credit hour approved certificate. The primary audience for this program are students who wish to focus on Registered Apprenticeship and construction careers. The learner outcomes for each course provide a range of skills to allow graduates to pursue employment in this industry:

APR101 Trade Skills Fundamentals

- Use information to select the trade as a career.
- Apply industry standard safe workplace behavior.
- Use trade-specific vocabulary in workplace situations.
- Make common trade calculations.
- Use safety standards with selected power and hand tools.
- Read a basic blueprint.
- Identify rigging slings, hitches, hardware, and signals.

APR166A Sheet Metal APR Fundamentals

- Define trade terminology, tools, and processes.
- Practice safety on the job and perform CPR and First Aid.
- Perform shop and trade math calculations.
- Identify and install materials and fasteners.
- Define sheet metal processes.
- Demonstrate basic soldering techniques.
- Explain the components of mechanical drawings.

FE280 CWE Internship

- Write, implement, complete, and evaluate learning objectives.
- Select and apply job skills from the specific curriculum to a work experience.
- Apply professional work habits on job site.

These courses lead to the following outcomes that students will be prepared to accomplish:

Secure a position in construction and compete for Registered Apprenticeship programs

Learning will be ensured through the assessment of these program outcomes with the following methods:

Assignments, quizzes, and exams

Instruction methods within this program will be FTF, hybrid, and online. Students will have general education courses for the degree. Any general education courses may be provided in a face-to-face, a hybrid, or an online environment. Program course lectures provide various hands-on activities.

The college has a unit planning process that includes a program assessment on an annual basis. Student, faculty, advisory committee, and administrative collaboration is incorporated to ensure students are prepared with appropriate skills to enter the workforce and meet the requirements of Sheet Metal Apprenticeship.

5. ***Does the community college identify and have the resources to develop, implement, and sustain the program?***

The Northwest Commission on Colleges and Universities (NWCCU) accredits Chemeketa Community College.

The new program will have startup costs of 0.

Year 0: Total Revenue: 0 Total Expenditures: 0 Net Income (Deficit): 0

Year 1: Total Revenue: \$25,000 Total Expenditures: \$5,000 Net Income (Deficit): \$20,000

Year 2: Total Revenue: \$25,000 Total Expenditures: \$5,000 Net Income (Deficit): \$20,000

Year 3: Total Revenue: \$25,000 Total Expenditures: \$5,000 Net Income (Deficit): \$20,000

The Apprenticeship program has no full-time faculty positions and 1 classified staff along with numerous adjunct faculty who generally work full-time in the industry. The program has the flexibility to use general fund dollars to expand the adjunct workforce to teach additional courses in the degree and to offset full-time workload as needed.

Chemeketa Community College has begun programs over the last fifty years and has had the institutional support in hiring qualified and trained faculty to teach in all CTE programs.

This new program and its courses have been developed and approved by the employer-based advisory committee, as well as approved by the college's Curriculum Committee and Chemeketa Community College's Board of Education.

Faculty will regularly participate in professional development activities to stay current and up to-date with industry changes and requirements, which will translate into the classroom learning

environment.

The program will reside at the Salem Campus, Building 33.

The college has strong relationships with industry partners/employers and will continue to foster these relationships. This program has an employer-based advisory committee. The program will continue to work with local industry leaders and educational institutions to recruit students for this program.

Assurances

Chemeketa Community College has met or will meet the four institutional assurances required for program application.

1. *Access.* The college and program will affirmatively provide access, accommodations, flexibility, and additional/supplemental services for special populations and protected classes of students.
2. *Continuous Improvement.* The college has assessment, evaluation, feedback, and continuous improvement processes or systems in place. For the proposed program, there will be opportunities for input from and concerning the instructor(s), students, employers, and other partners/stakeholders. Program need and labor market information will be periodically re-evaluated and changes will be requested as needed.
3. *Adverse impact and detrimental duplication.* The college will follow all current laws, rules, and procedures and has made good faith efforts to avoid or resolve adverse *intersegmental* and *intrasegmental* impact and detrimental duplication problems with other relevant programs or institutions.
4. *Program records maintenance and congruence.* The college acknowledges that the records concerning the program title, curriculum, CIP code, credit hours, etc. maintained by the Office are the official records and it is the college's responsibility to keep their records aligned with those of the Office. The college will not make changes to the program without informing and/or receiving approval from the Office.