
Docket Item:

Community College Approval: Chemeketa Community College, Certificate of Completion in Auto Body Repair within 47.0603 – Autobody/Collision and Repair Technology/Technician.

Summary:

Chemeketa Community College proposes a new Certificate of Completion in Auto Body Repair. 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: CCo in Auto Body Repair.



Chemeketa Community College seeks the Oregon Higher Education Coordinating Commission's approval to offer an instructional program leading to a Certificate of Completion in Auto Body Repair.

Program Summary

This certificate emphasizes the repair of automobile bodies and their systems. A significant portion of the training is done on the job as well as through specific lab coursework on campus.

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

This is a certificate program renewed from the prior (suspended) college certificate. According to quality.info that employment should grow by 7.3% in the Mid-Valley region with approximately 35 annual job openings. Starting wages for people with this certificate is approximately \$25,600/year, average wages is about \$42,300/year. The Advisory Committee strongly supports continuing this certificate by reducing the number of credits for students which will reduce the overall cost for completion.

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 Automotive Body Repair Certificate of Completion was approved in April 27, 2021 by the Chemeketa Community College's Curriculum Committee and then approved by Chemeketa Community College's Board of Education in 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 Applied Technologies department that will be offering this Automotive Body Repair Certificate of Completion has an advisory committee composed of professionals from across the Willamette Valley:

Role on Committee	Last Name	First Name	Organization
Chair	Pastre	Chris	Capitol Auto Group, Salem OR
Member	Bowyer-Gottfried	Amy	Oregon State Police, Salem OR
Member	DeLess	Steven	Capitol Toyota, Salem OR
Member	Gutierrez	Jose	Capital Transmission, Salem OR
Member	Jensen	Craig	Davison Auto Parts, Monmouth OR
Member	Lucas	Shawn	Capitol Chevrolet Cadillac, Salem OR
Member	Peterson	Robert	Brooks Automotive, Salem OR
Member	Ragan	Margaret	Northwest Automotive Trades Association, Portland OR
Member	Buchheit	Mathew	Howell Automotive, Silverton OR
Member	Lehman	Evan	Roberson Motors, Salem OR
Member	Rife	Robert	AJ's Automotive, Salem OR

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:

- Automotive Body Repair core requirements (21 credit hours)
- AUM168 Automotive Electrical Systems 1
- AUM184 Automotive Materials and Resources
- AUM280E Cooperative Work Experience
- AUM280G. Cooperative Work Experience
- WLD197 Welding 2
 - or
- WLD161 Basic Gas Metal Arc Welding (MIG)
- Automotive Body Repair electives (select a minimum of 15 credit hours):
- AUM151 Basic Automotive Engines
- AUM157 Automotive Brake Systems
- AUM158 Automotive Steering and Suspension
- AUM286 Automotive Heating and Air Conditioning

These courses were approved by the advisory committee on February 24, 2021.

Chemeketa's AUTOMOTIVE BODY REPAIR CERTIFICATE program will lead to employable skills at the end of the program. Individuals in this field earn an annual wage of \$45,436 per year and starting wages at

\$12-16 (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 42 credit hour approved certificate. The primary audience for this program is students who wish to focus on industry standard automotive terminology and skills. The learner outcomes for each course provide a range of skills to allow graduates to pursue employment in this industry:

AUM168: Automotive Electrical Systems 1 (5)

- Explain the fundamental principles of electricity including the use of Ohms Law.
- Use electrical and electronic terms to discuss automotive systems.
- Use basic electrical test equipment to analyze electrical systems.
- Draw and define automotive wiring symbols, circuits, and diagrams.
- Explain the fundamental principles of magnetism and electromagnetism in automotive electrical systems.
- Describe automotive electric motor principles and how they operate.
- Perform test procedures on automotive batteries.
- Inspect and rebuild automotive starters.
- Test and rebuild automotive alternators.

AUM184: Automotive Materials and Resources (2)

- Identify and describe the various types of service information.
- Locate vehicle repair and diagnostic information in printed shop manuals
- Locate vehicle repair and diagnostic information using computerized manual systems.
- Select the correct service manual for estimating the time it will take to perform a task.
- Estimate the time it will take to perform a task using the computerized manual system.

WLD197: Welding (2)

- Demonstrate the basic technical information related to basic arc welding fundamentals.
- Demonstrate the correct setup and operation of arc welding equipment.
- Demonstrate basic skills and techniques concerning flat, horizontal, and vertical welding positions.
- Demonstrate, the steps required to visually inspect a weld.
- Demonstrate basic skills and techniques used with A.C. and D.C. current.
- Demonstrate the correct method of identifying arc welding electrodes.
- Demonstrate a thorough working knowledge of the safety practices that must be employed when using oxyacetylene welding and cutting equipment.
- Demonstrate, through written and practical knowledge, basic oxyacetylene welding, brazing and cutting skills.

- Demonstrate the knowledge and skill required to troubleshoot and correct problems involving oxyacetylene welds, oxy cutting and welding equipment.
- Demonstrate, through laboratory practices, the correct manner in which to adjust the oxyacetylene flame for different welding conditions. Demonstrate various welds through completion of assigned welds.
- Demonstrate, through lecture materials, the correct method of identifying oxyacetylene filler materials.

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

- Perform tasks related to collision repair, painting, brakes, electrical/electronic systems, suspension and steering, and heating and air conditioning systems.
- Analyze, diagnose and perform repairs related to auto body systems in I-CAR specialty areas.
- Identify and use tools, testing and measuring equipment required to perform automotive body repair.
- Perform personal and environmental safety practices associated with clothing; eye protection; hand tools; power equipment and handling, storage and disposal of chemicals in accordance with local, state, and federal safety and environmental regulations.
- Practice professional and ethical behaviors as applied to the workplace environment.
- Use industry standard automotive terminology and clarifying language to communicate orally and in writing with customers, suppliers, supervisors, and co-workers.

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

Skills testing; ASE testing and certification

Instruction methods within this program will be remote or face-to-face lecture and face-to-face labs. 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 Automotive Body Repair.

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

Year 2: Total Revenue: 0 Total Expenditures: 0 Net Income (Deficit): 0

Year 3: Total Revenue: 0 Total Expenditures: 0 Net Income (Deficit): 0

The Automotive Body Repair program has 4 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 Salem campus.

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 *intra-segmental* 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.