

Docket Item:

Community College Approval: Clackamas Community College, Associate of Applied Science in Automotive Service Technology within 47.0604 – Automobile/Automotive Mechanics Technology/Technician.

Summary:

Clackamas Community College proposes a new Associate of Applied Science in Automotive Service Technology. 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: AAS in Automotive Service Technology.



Clackamas Community College seeks the Oregon Higher Education Coordinating Commission's approval to offer an instructional program leading to an Associate of Applied Science in Automotive Service Technology.

Program Summary

The instruction, curriculum, facilities, and equipment of the Automotive Service Technology program have been evaluated by the Automotive Service Excellence Education Foundation (ASEEF) and are accredited to the Master Automotive Service Technician (MAST) level.

Training combines operational theory with hands-on activities in engine repair, automatic transmissions, manual transmission and drive train, suspension and steering, brakes, electrical and electronic systems, heating and air conditioning, engine performance, safety systems, and alternative fuel transportation vehicles.

The program consists of instructional blocks of 100 hours each that are a combination of lecture and hands-on laboratory work. Each instructional block focuses on a specialized area and at the completion, students are assessed according to their success in meeting course outcomes.

Partnerships between CCC and automotive repair businesses will allow you to learn in the classroom and on the job through the Internship and the Cooperative Work Experience (CWE) courses.

The program prepares students to pass ASE certification tests and begin a career as an automotive service technician. Students can achieve industry-recognized ASE certification shortly after earning a degree.

Entry into the program is yearly, typically beginning fall term. An alternate schedule may be available depending on program limits for student seat loads.

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

Donors and scholarships are one way to gauge whether a program has community support. The Automotive Service program has a large amount of support in this area. Over a 5-year period, 57 donors provided 194 automotive students at CCC scholarships. Donors in 5 years have provided \$813,503 in financial support. This does not include over \$300K in-kind equipment/discounted gifts. Total scholarships awarded to students in a 5-year period: \$388,273.

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

The Automotive Service program has a robust and engaged Advisory Committee. This group engages with faculty related to curriculum design, workforce needs, and student placement. Most recently our members were instrumental in assisting staff with achieving Master Automobile Service Technology (MAST) level accreditation of our program through the Auto Service Excellence Education Foundation (ASEEF).

The Automotive Service program has had a long and successful history of offering local area High Schools training opportunities by serving Oregon City High School, Clackamas Academy of Industrial Sciences (CAIS) and the World of Speed Automotive Museum in Wilsonville. The museum recently shut down due to COVID-19, leaving a void for High Schools looking for training opportunities for their students. As unfortunate as this is, there is still an opportunity to find another facility that could house a program that could offer a similar service.

The Automotive Service program has several Formal Partnerships with employers.

Subaru - 3 new vehicles contracted to Automotive program. Access to Subaru's online learning resources for faculty and students. Subaru factory scan tool was also donated.

Freightliner - Get Ahead Program. Online training and internships

Pape' Equipment and Machinery - 2 full-ride scholarships including tools

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

The ASE Education Foundation works with more than 2,300 automotive technology training programs and more than 50,000 students nationally to provide the transportation industry with a viable workforce through standards and credentials for institutions, organizations and individuals. Our program is accredited to the Master Automobile Service Technology (MAST) level which includes 1200 hours of combined classroom and lab/shop instructional activities.

From the State of Oregon Employment Department website:

Employment Outlook for Automotive Service Technicians and Mechanics

Employment in this occupation in 2019 was much larger than most occupations across the state. The total number of job openings is projected to be much larger than most occupations in Oregon through 2029. This occupation is expected to grow at a much slower rate than the statewide average growth rate for all occupations through 2029. Reasonable employment opportunities exist.

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

The program consists of instructional blocks of 100 hours each that are a combination of lecture and hands-on laboratory work. Each instructional block focuses on a specialized area and at the completion, students are assessed according to their success in meeting course outcomes. Students receive over 1200 hours of training that combines operational theory with hands-on activities in engine repair, automatic transmissions, manual transmission and drive train, suspension and steering, brakes, electrical and electronic systems, heating and air conditioning, engine performance, safety systems, and alternative fuel transportation vehicles.

Additionally students receive related instruction in computation, Communication, Human relations and PE/Health/Safety.

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

CASE grant - Funding was used to start the Hybrid program through the purchase of three hybrid vehicles, equipment, and training for staff.

A major renovation of the Automotive Service Technology facilities was recently completed in 2019. The main shop area has dedicated workstations fully outfitted with hand tools, so our students no longer need to purchase their own tools to participate in the program. New vehicle hoists were installed as well as new drive on lifts and alignment machines. Much of the general shop equipment has been updated. In addition, two new flex labs were constructed that can accommodate 22 students each. Total capacity of the main shop has increased from 24 students to 44 students after the remodel.

PGE Drive Change Fund (Grant) - \$300,000 grant for an electric vehicle training (new course) and installation of EV charging stations available to the campus and community.

Assurances

Clackamas 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

3. partners/stakeholders. Program need and labor market information will be periodically re-evaluated and changes will be requested as needed.
4. *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.
5. *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.