Washington County Community College
Calais, Maine
Discover Choices • Create Success

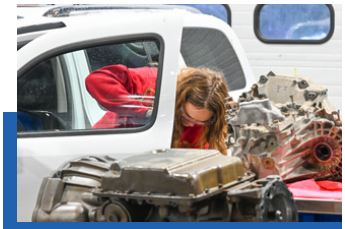
wccc.me.edu/programs



AUTOMOTIVE TECHNOLOGY

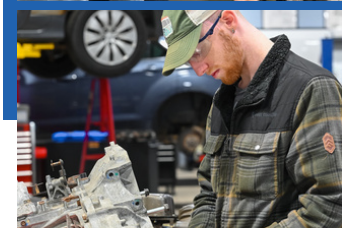
PROGRAM **DESCRIPTION**

The **Automotive Technology Certificate** program prepares students for the automotive service field. Through an intensive, lab-orientated course, students are introduced to the industry and learn to maintain automotive equipment. Emphasis is placed on understanding automotive principles and learning to identify and solve mechanical problems. The course provides a solid background in the field, through hands on experience, enabling students to continue to acquire skills for future technology. The program is certified by the ASE Education Foundation in areas of brakes, electrical electronic systems, engine performance, suspension & steering, engine repair, automatic transmissions, manual transmissions, drivelines and heating and air conditioning. The **Associate in Applied Science in Vehicle Service** program prepares students for success as vehicle service mechanics. This program offers training in the testing, diagnosis and servicing of passenger and light commercial motor vehicles. The program enables students to develop skills needed for the diagnosis as well as repair and maintenance of vehicle systems to include brakes, suspension and steering, electrical/ electronics, engine performance, drive trains, heating and air conditioning and all aspects of engine work. In addition to classroom study where background knowledge is acquired, shop projects involving work on vehicles provide students with practical experiences where emphasis is placed on developing competence with electronic and other test equipment and the completion of work in accordance with automotive industry standards.









PROGRAM **OUTCOMES**

1. Demonstrate safe work habits in compliance with industry standards set forth by the Mechanical Technology area of their concentration.
2. Understand and apply principles of testing, diagnosis, and servicing of passenger and light commercial motor vehicles.
3. Understand and apply basic principles regarding maintenance of automotive equipment.
4. Identify and solve mechanical problems.
5. Continue to update knowledge and skills about automotive technology in order to keep up with industry standards.
6. Complete tasks in accordance with industry and ASE certification standards.
7. Apply theoretical knowledge of electronic and other test equipment in practical settings.
8. Qualify for employment in positions including front-end alignment, brakes, or general services at automotive dealerships, independent repair facilities, companies with large vehicle fleets, and automotive parts supply stores.

Washington County Community College is an equal opportunity/affirmative action institution and emloyer. For more information; please call Tatiana Osmond, Affirmative Action Officer, at 454-1094

Your career starts under the hood! Learn by doing and prepare for a future in the automotive industry. Apply today! Scan the QR code or go to wccc.me.edu/apply.

Interested in earning a **Mechanical Technology Associate's** degree? Choose from two of these certificate programs: Heavy Equipment Operations, Automotive, Diesel and Automotive Engine Overhaul, Powersport Equipment and Small Engines, and Welding Technology. Students meet the additional requirements of the A.A.S. degree by completing the core requirements and general education requirements.
Have questions? Contact our Admissions team at wcccadmissions@mainecc.edu or 207-454-1000 for more information!

Automotive Technology Course Curriculum

Associate in Applied Science

66 Credit Hours

Course #	Automotive Certficicate Option	Credits
	Semester 1	
ENG101	College Composition	3
FYE100	First Year Experience	1
MET103	Principles of Vehicular Electronics	2
MET114	Vehicular Electrical Systems I	1
MET115	Vehicular Electrical Systems II	2
MET116	Braking Systems I	1
MET117	Braking Systems II	2
MET120	Transmissions and Drive Train	3
WEL109	Introductory Welding	2
	Total	17
	Semester 2	
MAT106	College Mathematics for Technologies	3
MET107	Introduction to Engine Operation	2
MET108	Principles of Vehicular Performance	2
MET112	Engine Performance & Diagnostics I	1
MET113	Engine Performance & Diagnostics II	2
MET118	Steering and Suspension I	1
MET119	Steering and Suspension II	2
MET121	Heating and Air Conditioning Systems	3
MET123	Maine State Inspection I	1
MET126	Principles of Electric and Hybrid Vehicles	2
	Total	19
Course #	Required for Associate Degree Option	
	Semester 3	Credits
ENG 210	Technical Writing Business Elective	3
Elective	Math/Science (above the 100 level)	3
Elective	Introduction to Engine Overhaul	3
MET 129	Engine Overhaul Lab Diesel Engine	3
MET 131	Fuel Systems	4
MET 132	Maine State Inspection I	1
	Total	17
	Semester 4	
DRG 124	Print Reading, Sketching, and Intro to CAD	3
MET 142	High Performance Engines	1
MET 144	Engine Repair and Performance	3
MET 145	Advanced Engine Repair Lab	5
Elective	Social Science Elective (PSY 101 or SOC 101 or SOC 102)	3
	Total	15

Cost per credit hour is $96. For more information visit: https://wccc.me.edu/admissions-aid/finances/tuition-fees/
Financial Aid is available for students who qualify at www.FAFSA.Ed.Gov School Code: 009231

Visiting the campus is easy. Contact the Office of Admissions at 207-454-1000 or wcccadmissions@mainecc.edu to schedule a time to visit the Automotive and Vehicle Service programs! For more program specific information, please contact the program instructor Ron O'Brien, robrien@mainecc.edu or 207-454-1065