



HEAVY EQUIPMENT OPERATION, HEAVY EQUIPMENT MAINTENANCE AND MECHANICAL TECHNOLOGY

PROGRAM DESCRIPTION

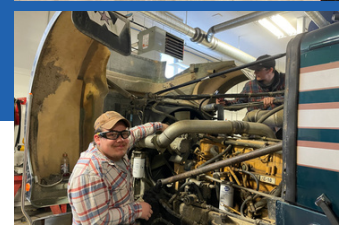
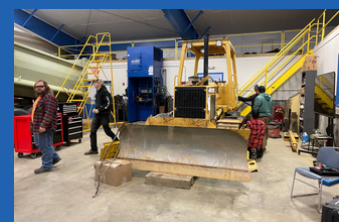
In the **Heavy Equipment Operation** certificate program students learn to operate a variety of equipment including bulldozers, backhoes, front-end loaders, excavators, graders and dump trucks. The winter semesters provide the student with the opportunity to gain a better understanding of heavy equipment mechanics through classroom work and practical experience. Emphasis is placed on grade work, road plans, fork lift and crane rigging.

The **Heavy Equipment Maintenance** certificate program prepares students for maintenance jobs in the trucking, earth-moving or construction and forestry industries. Through intensive, shop-oriented courses, students are introduced to a variety of heavy equipment and learn to maintain, repair and rebuild it. Emphasis is placed on the maintenance of drive train, running gear, external engine components and hydraulic systems.

The **Mechanical Technology** Associate in Applied Science program allows students maximum flexibility in the selection of subject matter. Students may choose to combine two of the following programs: Engine Specialist, Automotive Technology, Heavy Equipment Operation or Heavy Equipment Maintenance to acquire the mechanical technology requirements. Students meet the additional requirements of the A.A.S. degree by completing the core requirements and general education requirements.

PROGRAM OUTCOMES

1. Demonstrate knowledge of safety issues via OSHA certification as well as certifications in Red Cross, First Aid, and CPR.
2. Operate, maintain, repair, and rebuild a variety of heavy equipment.
3. Maintain drive train, running gear, external engine components, and hydraulic systems.
4. Properly operate bulldozers, trucks, pay-loaders, backhoes, and other heavy equipment.
5. Qualify for employment as entry-level operators or technicians for construction, logging, farm operations, or equipment dealers.



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



Apply Now!
Use this QR code or go to wccc.me.edu/apply.

Heavy Equipment Operation, Heavy Equipment Maintenance Course Curriculum

Certificate

28 or 30 Credit Hours

Course #	Required for Associate Degree Option	Credits
Semester 1		
ENG101	College Composition	3
FYE100	First Year Experience	1
MET 100	General Service	3
MET 102	Introduction to OSHA Safety/First Aid/CPR	3
MET 150	Introduction to Equipment Operation	2
MET 151	Heavy Equipment Operation Project	4
Total		16
Semester 2		
MAT 106	College Mathematics for Technologies	3
WEL 109	Introductory Welding	2
HEO Certificate		
MET 155	Grade Work	3
MET 156	Forklift Operation and Maintenance	2
MET 157	Crane Theory and Maintenance	2
Total		7
HEM Certificate		
Choose from 3 of the following:		
MET 152	Heavy Duty Brakes	3
MET 153	Heavy Duty Steering & Suspension	3
MET 158	Heavy Duty Electrical Systems	3
MET 159	Power Trains	3
MET 220	Equipment Hydraulics	3
Total		9

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!

For more program specific information, please contact the program instructor Kevin Howland (HEM), kevin.howland@wccc.me.edu or 207-454-1071 or Artie Mahar (HEO), amahar@mainecc.edu or 207-454-1081