

The purpose of the Automotive Technology program is to train students for employment in automotive service and repair. The laboratory phase of courses uses modern tools and equipment while performing actual “live” service and repairs on automobiles. The classroom phase includes discussion of principles on the operation of automotive systems and components, demonstration of repair techniques, textbook assignments, and quizzes. Basic mechanic hand tools, supplies, books, and working clothes are required for enrollment. A tool list is available from the instructor.

The Automotive Technology program prerequisite requires placement at English 22 or higher, or consent of instructor, for all Automotive Technology courses except AMT 16, AMT 20, and AMT 80. Students must maintain a valid driver’s license throughout the duration of the Automotive course of study.

☞ Call the program coordinator, Thomas Hussey, at 984-3236, or by emailing [thussey@hawaii.edu](mailto:thussey@hawaii.edu) for more information.

#### Requirements for Certificates of Competence (CO):

<b>Brakes: 4 credits</b>	Automotive Technology 53(4)
<b>Heating &amp; Air Conditioning: 3 credits</b>	Automotive Technology 43(3)
<b>Suspension &amp; Steering: 3 credits</b>	Automotive Technology 55(3)

#### Requirements for Certificate of Achievement (CA): 51-54 credits

Automotive Technology 20(3),** 30(6), 40B(4), 40C(4), 40G(4), 41C(4), 43(3), 46(4), 50(4), 53(4), 55(3)	Physics 50(3) - <i>Natural Science elective</i> English 22, 55, 100, or 106(3) Mathematics 50(3)***
Welding 19BC(2)	

#### Requirements for Associate in Applied Science (AAS) Degree: 68-71 credits

<i>All CA courses(51-54) plus:</i>	
Automotive Technology 60(8)	Humanities elective(3)
Communication 145 or English 100, 106, 209 or 210(3)	Social Science elective(3)

#### Full-time students would take courses in this sequence:

First Semester (Fall)	Credits	Second Semester (Spring)	Credits
*AMT 20 Introduction to Automotive Mechanics**	0-3	*AMT 30 Engines	6
*AMT 43 Heating & Air Conditioning	3	*AMT 53 Brakes	4
*AMT 46 Power Train	4	*PHYS 50 Technical Physics	3
*AMT 50 Automatic Transmission	4	*MATH 50***	<u>3</u>
*AMT 55 Suspension & Steering	3		16
*ENG 22, 55, 100, or 106	<u>3</u>		
	17-20		
Third Semester (Fall)	Credits	Fourth Semester (Spring)	Credits
*AMT 40B Fuel & Emission Systems	4	*AMT 40G Ignition Systems	4
*AMT 40C Electrical/Electronics I	4	AMT 60 Diagnostic & Repair	8
*AMT 41C Electrical/Electronics II	4	*WELD 19BC Welding for Trades & Auto	2
COM 145, or ENG 100, 106, 209, or 210	<u>3</u>	Humanities elective	3
	15	Social Science elective	<u>3</u>
			20

\* Note: Courses required for Certificate of Achievement.

\*\* Note: All AMT students are required to take AMT 20 in their first semester at UH Maui College unless they have earned the 2+2 credit or have been waived by the program coordinator.

\*\*\* Note: Students demonstrating competence in MATH 50 may take MATH 100 or higher.