

# Automotive Technology

Honolulu Community College's Automotive Technology Program (AMT) curriculum has been designed to meet National Automotive Technology Education Foundation standards. Our goal is to prepare students to become entry-level technicians in the field.

## Program Entry Requirements

### English Requirements:

Completion of ENG 20 BCDE  
(native speakers only)  
Completion of ESL 11, 13, and 17  
(non-native speakers only)  
OR  
COMPASS\* placement into ENG 22/60

### Math Requirements:

Grade of 'C' or higher in Math 24  
OR  
COMPASS\* placement in Math 25 or 55  
\*UH Community College System placement test

### General Requirements:

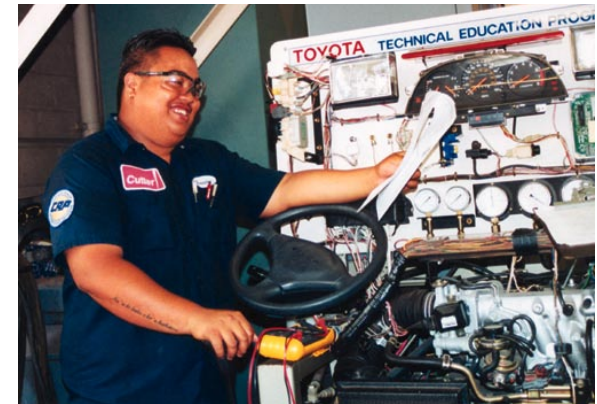
Valid driver's license

## Recommended Preparation

Classes in pre-algebra, electronics, chemistry or physics,  
and industrial arts

### Costs (not including tuition)

Tools and supplies: \$3500



AMT student reads and interprets automotive diagrams, charts, meters and gauges.



AMT student analyzes information before starting the repair process.

## Program Technical Standards

Thinking skills

Our program technical standards have been developed to help students understand the minimum essential mental, physical, and behavioral skills necessary for participation in and completion of all core aspects of our curriculum.

As an AMT student, you will be expected to do the following:

**General:** Diagnose mechanical, hydraulic, electrical and computer-related automotive failures.

**Specific:** Read and interpret automotive manuals, diagrams, charts, meters and gauges.

Do searches on computer and in manuals for necessary information.

Take measurements and do conversions.

Identify automotive components and systems.

Recognize indicators of malfunctions.

Analyze information and draw conclusions based on a review of findings.

Measure and calculate electrical power.



### Sensory/ Observation skills

2

2 AMT student interprets readings on meters, gauges, and computers.



### Motor skills

3

3 AMT student maneuvers in a confined space.



### Communication skills

4

4 AMT students document work carefully.

### Behavioral skills

5

**General:** Use sensory cues to inspect and test components to determine root causes of failures and respond properly.

**Specific:** Interpret readings on meters, gauges, and computers.  
Distinguish identifying colors of wires, knobs and other parts.  
Recognize and interpret colors and textures of residue on parts.  
Detect and respond to noises, vibrations, temperatures, and smells that indicate problems.  
Select appropriate materials, tools and equipment for maintenance and repairs.  
Judge distances and space relationships of objects.  
Manipulate certain parts and tools by feel only.

**General:** Possess sufficient physical strength, flexibility, and dexterity.

**Specific:** Operate necessary tools and equipment.  
Remove and replace failed components and small parts.  
Position and maneuver in confined spaces.  
Work at varying heights.  
Lift and transport equipment and materials as necessary.

**General:** Communicate effectively to gather and convey information.

**Specific:** Obtain necessary information from oral and written sources.  
Express information coherently.  
Utilize automotive technical terms and expressions.  
Document work accurately.

**General:** Behave appropriately and safely in a cooperative learning environment.

**Specific:** Fulfill personal and shared responsibilities.  
Work cooperatively with partners and groups.  
Exercise good judgement.  
Follow safety procedures.

## Automotive Technology



**General:** Function safely in an auto shop environment.

**Specific:** Work for prolonged periods amidst:

Extreme noise	Dust and fumes
Extreme heat	Machinery with moving parts
Sharp tools and materials	Moving objects and vehicles
Electrical equipment	Slippery or uneven surfaces
Chemicals and toxins	Variations in lighting



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*AMT students work well as partners.*

### For More Information

If you are interested in our program, we encourage you to meet with our AMT counselor (phone: 845-9129) and refer to the information at <http://tech.honolulu.hawaii.edu/amt> to decide whether the AMT program is right for you.

Each of our courses has specific requirements for successful completion. You will find a list of the competencies for each AMT course at <http://tech.honolulu.hawaii.edu/amt>

Please keep in mind that you will have to fulfill additional requirements to be eligible for certification exams or licensure in the field. For more information go to <http://www.ase.com>

### Disability Accommodations

We have developed our technical standards in compliance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. We will provide reasonable accommodations to qualified students with disabilities. If you are interested in our program, we encourage you to review the program technical standards and course information at <http://tech.honolulu.hawaii.edu/amt> to decide whether the AMT program is right for you.

If you have questions about the AMT program, please call the HCC Counseling Office at 845-9129. Individuals with hearing impairments may call 845-9270 (v/t) or use the Telecommunication Relay Service at 1-877-447-5990.

If you have questions about disability access and accommodations, please direct them to HCC's Services for Students with Disabilities (SSD) at 845-9282 (v/t), 845-9272 (v/t), or e-mail [access@hcc.hawaii.edu](mailto:access@hcc.hawaii.edu)

SSD will be happy to meet with you, evaluate your disability documentation, and, as appropriate, recommend reasonable accommodations consistent with your documented limitations and the technical standards of the program. We will keep your disability information confidential within the parameters of the accommodation process.