

## Commercial Aviation

Honolulu Community College's Commercial Aviation (AVIT) curriculum is designed to meet Federal Aviation Administration standards. The program trains students for careers as pilots for charter and tour services, cargo and transport services, and flight instruction.

### Program Entry Requirements

#### General Requirements:

- Physical examination by FAA Medical Examiner.
- Current Class III medical certificate for HCC enrollment.
- Eligibility to obtain Class I medical certificate for career purposes.
- See [www.cami.jccbi.gov/aam-300](http://www.cami.jccbi.gov/aam-300) and <http://tech.honolulu.hawaii.edu/avit/requirements.html> for additional information on medical requirements.
- Financial ability to sustain flight training requirements.

#### English Requirements:

COMPASS\* placement into ENG 22/60

#### Math Requirements:

COMPASS\* placement in Math 27/103

\*UH Community College System placement test

### Recommended Preparation

Classes in English reading, writing, and math

#### Costs (not including tuition)

Equipment, books, and flight fees: \$34,000 - \$38,000

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 AVIT student, you will be expected to do the following:

**General:** Apply aviation concepts and technology to safely pilot an airplane.

- Specific:** Read, understand, and follow State and Federal Aviation Regulations.
- Identify the components and functions of the National Airspace System.
  - Recognize the design and operation of aircraft components, instruments, and systems.
  - Evaluate information and conditions to do flight planning, maneuvering, and safety risk management.
  - Apply principles of flight, weather, aerodynamics, and navigation to complete flight lessons.
  - Evaluate flight situations and make decisions quickly with sound judgement.
  - Process multi-sensory input and multi-task simultaneously to maintain positive aircraft control.
  - Keep up with sequence and pace of instructions.

## Program Technical Standards



AVIT student uses resources to evaluate information and do flight planning.



**2** AVIT student does a pre-flight inspection.



**3** AVIT student performs a manual inspection of the engine.



**4** AVIT student communicates by radio with air traffic control.

### Sensory/ Observation skills **2**

**General:** Make independent observations and assessments to maintain positive control and safely pilot an airplane.

**Specific:** Do pre-flight inspection of the engine, propeller, and electrical, environmental, hydraulic, pneumatic, fuel, ignition, lubrication, and flight control systems.

Process visual, auditory, and tactile input simultaneously.

Monitor for other air traffic through continuous visual scanning.

Monitor instrument panel.

Detect and respond to auditory warning devices.

View and assess weather conditions.

Follow visual and auditory signals from air traffic control.

Chart flight plan with maps.

Possess quick sensory response time.

### Motor skills **3**

**General:** Possess sufficient physical strength, flexibility, and dexterity to operate an airplane.

**Specific:** Independently execute all required flight maneuvers including climbs, descents, stalls, turns, take offs and landings.

Perform manual inspections of the airframe, engine, fuel tanks and oil reservoir.

Respond to engine indications and instruments by making manual adjustments.

Sit for prolonged periods.

Possess quick physical response time.

Activate brake levers for aircraft steering and braking.

Maintain balance and stability.

## Commercial Aviation

### 4 Communication skills

**General:** Read, write, speak, and understand English as required by FAA standards.

**Specific:** Use English to obtain necessary information from aural and written sources.

Express information clearly in English both verbally and in writing.

Understand and correctly respond to radio and air traffic communication.

Communicate clearly by radio with air traffic control.

Communicate clearly by radio with other pilots in the air.



4 AVIT student uses English skills to communicate.

### 5 Behavioral skills

**General:** Behave appropriately and safely in a high-risk learning environment.

**Specific:** Work independently with minimal or no supervision.

Follow through with individual responsibilities.

Exercise good judgement.

Follow safety procedures.

Comply with drug-free requirements and testing.

Stay calm in stressful situations.



5 AVIT student follows through with individual responsibilities.

### 6 Environmental tolerance

**General:** Work in a flight training environment.

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

Changes in altitude

Changes in temperature

Changes in air pressure

Extreme noise

Electrical equipment

Gas and fumes

Moving objects and vehicles

Slippery or uneven surfaces

Variations in lighting



6 AVIT student works on a slippery and uneven surface.

### For More Information

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

Please keep in mind that you will have to fulfill additional requirements to be eligible for certification exams or licensure in the field. For specific information on medical standards required for obtaining licenses and ratings within the degree program go to <http://www.cami.jccbi.gov/aam-300>

### 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/avit/> to decide whether the AVIT program is right for you. For specific information on medical standards required for obtaining licenses and ratings within the degree program go to <http://www.cami.jccbi.gov/aam-300>

If you have questions about the AVIT 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.



6

AVIT student fuels an aircraft.