

# Fire and Environmental Emergency Response

Honolulu Community College's Fire and Environmental Emergency Response Program (FIRE) curriculum prepares students academically for the fire service field and entry level positions such as insurance adjusters, investigators, and safety and building inspectors.

## Program Entry Requirements

### English Requirements:

Grade of "C" or higher in ENG 22 or 60  
OR  
COMPASS\* placement into ENG 100

### Math Requirements:

Completion of Math 20 BCD  
OR  
COMPASS\* placement in Math 50 or 53

\*UH Community College System placement test

## Recommended Preparation

Classes in reading and writing

**Costs** (not including tuition)

Books: \$100 – 250 per semester

## Program Technical Standards

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 a FIRE student, you will be expected to do the following:

**General:** Apply proper principles and strategies in fire fighting, protection, and prevention.

**Specific:** Read and comprehend national and local codes used in fire prevention. Explain scientific principles of combustion, fire behavior and hydraulics. Follow proper procedures for fire inspection and investigation. Use mathematical formulas and equations. Identify fire problems and appropriate prevention and suppression tactics. Determine fire ground management strategies for financial, physical and facility resources.

**General:** Assess environment and facilities for fire prevention and safety.

**Specific:** Scan for hazard indicators. Distinguish pumps, hydrants, and related apparatuses. Survey for hazardous substances. Detect warning signals. Select appropriate materials and tools for task. Judge distances and spatial relationships of objects. Distinguish basic colors.



**1** FIRE students who successfully completed entrance requirements for federal firefighters.



**2** FIRE student surveys for hazardous substances.

Thinking skills **1**

Sensory/Observation skills **2**

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## 3 Motor skills

**General:** Possess sufficient physical strength, flexibility, and dexterity to participate in lab activities (labs are elective).

**Specific:** Practice medical skills used in emergencies.  
 Maneuver in confined spaces.  
 Work at varying heights.  
 Climb ladders or ropes.  
 Regain balance in unstable positions.  
 Suit up in protective gear.  
 Participate in outdoor hands-on field training in fire suppression.  
 Manipulate heavy tools and equipment appropriately for fire suppression.

3 Some FIRE students elect to take an outdoor lab.



## 4 Communication skills

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

**Specific:** Obtain necessary information from oral and written sources.  
 Express information coherently.

3 FIRE students practice medical skills used in emergencies.

## 5 Behavioral skills

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

**Specific:** Work independently with minimal supervision.  
 Work cooperatively with partners and groups.  
 Follow through with individual and shared responsibilities.  
 Exercise good judgement.  
 Follow safety procedures.



## 6 Environmental tolerance

**General:** Function safely in an indoor/outdoor lab environment (labs are elective).

**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	Ladders and scaffolding
Chemicals and toxins	Slippery or uneven surfaces
	Variations in lighting

4 FIRE student gathers information from written sources.

### For More Information

If you are interested in our program, we encourage you to meet with our FIRE counselor (phone: 845-9129) and refer to the information at <http://tech.honolulu.hawaii.edu/fire/index.html> to decide whether the FIRE 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. Health and physical requirements vary with employers. For more information go to <http://www.honolulufire.org/> or <http://www.fs.fed.us/fsjobs/>

### 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/fire/index.html> to decide whether the FIRE program is right for you.

If you have questions about the FIRE 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** FIRE students clear flammable underbrush in local forests.



**6** FIRE students have the opportunity to participate in wildlands fire fighting on the mainland during the summer.