

Computing, Electronics, and Networking Technology

Honolulu Community College's Computing, Electronics, and Networking Technology (CENT) curriculum is designed to train students for entry-level employment in the electronics and computing industries. The CENT Program is a certified CISCO Training Academy, Certified A+ Training Site, and a Microsoft Regional Academy.

Program Entry Requirements

English Requirements:

Completion of ENG 22 or 60
OR
COMPASS* placement into ENG 100

Math Requirements:

"C" or higher in Math 25
OR
COMPASS* placement in Math 103 or 107 or higher
*UH Community College System placement test

Other Requirements:

Completion of ICS 100

Recommended Preparation

Classes in intermediate algebra, expository writing, computer literacy, and electronics principles

Costs (not including tuition)

Books and equipment: Ranges from \$1000 - \$1500 depending on courses taken.
Owning a PC to run Windows XP is highly recommended.

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

General: Apply fundamentals of electronics, mathematics, and computer programming to manage computer software and hardware.

Specific: Read textbooks and handouts.
Replicate procedures and input commands in proper sequence.
Use programming language and syntax.
Build and test electronic circuits.
Explain the operation of computer components.
Describe a computer operating system.
Calculate electrical voltage.
Design networks addressing schemes.
Assemble and configure networks.
Test computer equipment and multimedia systems.
Describe the operation of wireless electronic communication systems.



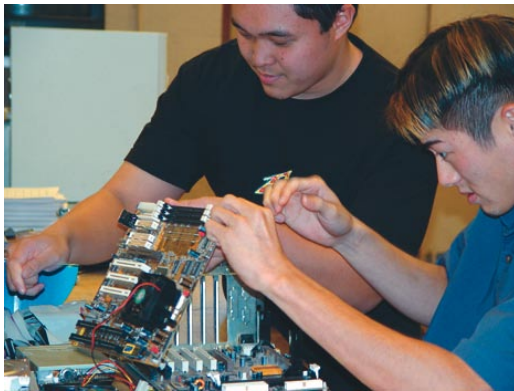
CENT students apply fundamentals of electronics, mathematics, and computer programming.

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2

CENT students read meters, gauges, and other electronic measuring devices.



3

CENT students remove and replace failed components and small parts.



5

CENT students work as partners to complete a task.

Sensory/
Observation
skills

2

General: Assess computer software and hardware for proper functioning.

Specific: Recognize command line input/output and computer codes.
Read meters, gauges, and other electronic measuring devices.
Scan physical spaces including rooms and ceilings to set up computers and lay wiring.
Judge distance and space relationships of objects.
Distinguish basic colors.
Examine computer hardware components for diagnosis and repair.
Observe and replicate teacher-demonstrated procedures.

Motor
skills

3

General: Possess sufficient mobility and dexterity to do computer installations, wiring, and repairs.

Specific: Manually lay computer lines.
Lift and transport equipment and materials as necessary.
Execute computer commands.
Operate necessary tools and equipment.
Remove and replace failed components and small parts.
Position and maneuver in confined spaces.
Work at varying heights.

Communication
skills

4

General: Communicate effectively to gather and convey information.

Specific: Obtain necessary information from oral and written sources.
Express information coherently.
Document work accurately.

Behavioral
skills

5

General: Behave appropriately in both self-directed and cooperative learning environments.

Specific: Work independently with minimal supervision.
Work cooperatively with partners and groups.
Follow through with responsibilities.
Work diligently and put in necessary time to complete tasks.
Persist on difficult tasks.
Exercise good judgment.
Maintain positive attitude and work ethic during internship.

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6 CENT students follow safety procedures.



General: Function safely in a computer repair shop environment.

Specific: Work for prolonged periods amidst:

Electrical equipment

Dust and heat

Variations in lighting

For More Information

If you are interested in our program, we encourage you to meet with our CENT counselor (phone: 845-9129) and refer to the information at <http://tech.honolulu.hawaii.edu/cent/index.html> to decide whether the CENT 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 examples go to <http://www.gocertify.com/> or <http://www.certguide.com/faq/faq.asp>

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/cent/index.html> to decide whether the CENT program is right for you.

If you have questions about the CENT 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. 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.