

Honolulu Community College  
University of Hawaii  
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# COMPUTING, ELECTRONICS, AND NETWORKING TECHNOLOGY

**PROGRAM DESCRIPTION:** The Computing, Electronics and Networking Technology (CENT) Program prepares students for entry-level positions in the field of Information Technology. This program features a core of courses that teach the basics in Microcomputer Hardware and Software, Computer Networking and Electronics Communication. These core courses prepare students to pass the exams for Computer Technician A+ Certification, CISCO Certified Network Associate and Microsoft Certified Professional. In addition to the core courses, students are required to take elective courses. These elective courses can be tailored to allow students to further specialize in a particular field of study. Students are also required to participate in internship or cooperative education experiences before graduating. Upon completion of the program, students receive Associate in Science Degrees in Computing Electronics and Networking Technology. A 3<sup>rd</sup> year Advanced Professional Certificate provides advanced technical training which can lead to a Bachelors of Applied Science in CENT at UH West 'Oahu or a Bachelors of Arts in System Administration at Hawaii Pacific University.

The CENT Program is a Certified Cisco Training Academy, Certified A+ Training Site and a Microsoft Regional Academy.

For additional information about this program, visit the CENT homepage on the HCC web site at [www.hcc.hawaii.edu](http://www.hcc.hawaii.edu).

**REQUIRED PREPARATION:** Intermediate Algebra, Introduction to Expository Writing, & Computer courses are program prerequisites.

**COST:** Books and Equipment - ranges between \$1,000 - \$1500 for the entire program depending on courses taken. Owning a PC to run Windows XP is helpful.

**TECHNICAL STANDARDS:** Can be found at <http://tech.honolulu.hawaii.edu/cent>

**SKILLS AND APTITUDES NEEDED:** A solid mixture of logical conceptual skills and mechanical hands-on skills is needed. Technicians must also have strong interpersonal skills because they deal with customers and co-workers. The technician must also be able to handle frustration and expect equipment failures. A successful technician enjoys solving problems and the challenge of keeping current in a rapidly changing industry.

**EMPLOYERS:** Computer repair shops, telecommunication companies, network cable installers, microcomputer network installers and administrators, and web site developers.

**CAREER LADDER:** ENTRY LEVEL: Technician; Installer. **ADVANCEMENT:** Supervisor; Administrator.

**EMPLOYMENT OPPORTUNITIES:** Solid on the mainland, locally promising.

**WAGES:** Varies depending on experience. Recent graduates start at \$15-\$20 an hour; experienced technicians earn up to \$35-\$40 an hour.

**LICENSING:** Students can take various certification exams. These include Computer Technician A+, Microsoft Professional Program, Cisco Networking Associate.

