Computer Engineering Technology

The AAS degree in Computer Engineering Technology is accepted at some colleges and universities as the first two years of a bachelor's-level engineering technology program. This program has been designed to include training in hardware and software, emphasizing operating system concepts to provide a unified view of computer systems.

Computer Engineering Technology focuses on the circuitry of computers and some programming. Beginning with electrical fundamentals, course work progressively introduces electronics, circuit simulation, solid-state fundamentals, digital concepts, instrumentation, C++ programming, microprocessors, microcomputer applications, networking, operating systems, I/O hardware interfacing, industrial applications, and data acquisition using LabView. Other course work includes the study of various fields associated with the electrical/electronic industry. Several opportunities for industry certifications are built into the program, allowing students to add skills to their resumes. Graduates should qualify for employment opportunities in electronics technology, computer service, computer networks, server maintenance, programming, and other areas requiring knowledge of electronic and computer systems.

The Computer Engineering Technology curriculum provides the skills required to design and implement microprocessors and computer-controlled equipment. Graduates should qualify for employment as engineering assistants or either computer, electrical, or electronic technicians with job titles such as electronics engineering technician, field service technician, maintenance technician, communications technician, electronic tester, electronic systems integrator, electronics and instrumentation technician, control technician, bench technician, electromechanical equipment assemblers, electronics and instrumentation technician, computer network support specialists, computer user support specialists, electronic home entertainment equipment installers and repairers.

The AAS degree in Computer Engineering Technology is accepted at some colleges and universities as the first two years of a bachelor's-level engineering technology program. Graduates can transfer to a university program to finish a bachelor's degree; however, there will be deficiencies.

Information on the Computer Engineering Technology program is available on the Computer Engineering Technology website.

For specific information about potential positions and wages in computer engineering technology employment, visit the Central Piedmont Career Coach website.