Computer Engineering Tech (CPET)

CPET 1050 Managing Computers: Hardware   **3 Credits**
Prerequisite: ITIS 1007; or permission of instructor.
This course provides the fundamental knowledge necessary to install, configure, and troubleshoot computer hardware. The course covers assembly/disassembly of system units, installing and replacing motherboards, system memory, storage devices, power supplies, and input/output device. Setting up and supporting a local network and mobile devices are introduced as well as virtualization and cloud computing. This course is cross-listed as ITIS 1050. Students who have taken the course under the alternative course ID should not take this course.
(4.5 contact hours: 1.5 lecture, 3 lab)

CPET 1051 Managing Computers: Software   **3 Credits**
Prerequisites: ITIS 1050 or CPET 1050.
This course provides the fundamental knowledge necessary to install, configure, and troubleshoot computer software. The course focuses on the basics of installing, securing, maintaining, and troubleshooting a Windows operating system and the resources it shares. Considerations unique to mobile devices, macOS, and Linux are introduced. This course is cross-listed as ITIS 1051. Students who have taken the course under the alternative course ID should not take this course.
(4.5 contact hours: 1.5 lecture, 3 lab)

CPET 1120 C Prog for Technicians   **3 Credits**
This course introduces fundamental structured C programming concepts as applied to technical problem solving and hardware programming. Students will develop applications using branching, looping, disk input/output, arrays, pointers, operators, and structures. They will also develop, test, and debug hardware control and monitor applications in the laboratory. No previous programming experience is necessary. This course is cross-listed as ITCS 1120. Students who have taken this course under the alternative course ID should not take this course..
(5 contact hours: 2 lecture, 3 lab)

CPET 2560 Introduction to Telecommunications Principles   **2 Credits**
Prerequisite: ELEC 1120 or permission of instructor.
This course covers noise, signal quality and measurement, modulation and demodulation principles, and transmission mediums as applied to over-the-air and landline telephony services.
(2 contact hours)