

# COMPUTER MAINT TECH (CPMT)

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## CPMT 1166

### **CAPSTONE: Computer Systems Technology Practicum**

CRT HRS:1 LEC HRS:0 LAB HRS:0 OTH HRS:10  
This course provides practical, general workplace training supported by an individualized learning plan developed by the employer, college, and the student.

*Prerequisite: ITSC 1425 or concurrent enrollment in CPMT 1445.*

## CPMT 1403

### **Introduction to Computer Technology**

CRT HRS:4 LEC HRS:3 LAB HRS:3 OTH HRS:0  
This is a fundamental computer course that provides in-depth explanation of the procedures to utilize hardware and software. Emphasis is placed on terminology, acronyms, and hands-on activities.

*Prerequisite: None.*

## CPMT 1404

### **Microcomputer System Software**

CRT HRS:4 LEC HRS:3 LAB HRS:3 OTH HRS:0  
This course provides skill development in the installation, configuration, maintenance and troubleshooting of system software in microcomputers. Topics may include operating systems, utility software and other software affecting the basic operation of a microcomputer system.

*Prerequisite: None.*

## CPMT 1411

### **Introduction to Computer Maintenance**

CRT HRS:4 LEC HRS:3 LAB HRS:3 OTH HRS:0  
This course is an introduction to the installation, configuration, and maintenance of a microcomputer system.

*Prerequisite: None.*

## CPMT 1443

### **Microcomputer Architecture**

CRT HRS:4 LEC HRS:3 LAB HRS:3 OTH HRS:0  
This course covers computer characteristics and subsystem operations, timing, control circuits, and internal input/output controls.

*Prerequisite: None.*

## CPMT 1445

### **Computer Systems Maintenance**

CRT HRS:4 LEC HRS:3 LAB HRS:3 OTH HRS:0  
This course is a study of the components within a computer system. Development of testing and troubleshooting skills is emphasized.

*Prerequisite: CPMT 1403 or ITSC 1425.*

## CPMT 1447

### **Computer System Peripherals**

CRT HRS:4 LEC HRS:3 LAB HRS:3 OTH HRS:0  
This course covers theory and practices involved in computer peripherals, operation and maintenance techniques, and specialized test equipment.

*Prerequisite: ITSC 1425 or CPMT 1445.*

## CPMT 1449

### **Computer Networking Technology**

CRT HRS:4 LEC HRS:3 LAB HRS:3 OTH HRS:0  
This course covers networking fundamentals, terminology, hardware, software, and network architecture. It includes local and wide area networking concepts and networking installations and operations.

*Prerequisite: None.*

## CPMT 2166

### **CAPSTONE: Computer Systems Technology Practicum**

CRT HRS:1 LEC HRS:0 LAB HRS:0 OTH HRS:10  
This course provides practical, general workplace training supported by an individualized learning plan developed by the employer, college, and the student.

*Prerequisite: CPMT 2433.*

## CPMT 2350

### **Industry Certification Preparation**

CRT HRS:3 LEC HRS:2 LAB HRS:3 OTH HRS:0  
This course provides an overview of the objectives for the industry specific certification exam.

*Prerequisite: CPMT 2433.*

## CPMT 2433

### **Computer Integration**

CRT HRS:4 LEC HRS:3 LAB HRS:3 OTH HRS:0  
This is an advanced course in integration of hardware, software, and applications. Customization of computer systems for specific applications such as engineering, multimedia, or data acquisition is covered.

*Prerequisite: CPMT 1445 and ITCC 1414.*

## CPMT 2445

### **Computer System Troubleshooting**

CRT HRS:4 LEC HRS:3 LAB HRS:3 OTH HRS:0  
This course includes principles and practices involved in computer system troubleshooting techniques and repair procedures including advanced diagnostic test programs and the use of specialized test equipment.

*Prerequisite: CPMT 1445.*

## CPMT 2449

### **Advanced Computer Networking Technology**

CRT HRS:4 LEC HRS:3 LAB HRS:3 OTH HRS:0  
This course is an in-depth study of networking technology with emphasis on security, network operating systems, network connectivity, hardware, and software. It includes implementation, troubleshooting, and maintenance of LAN and/or WAN network environments.

*Prerequisite: CPMT 1449.*