

# CSA

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## Courses

### **CSA 111 Computer Repair 1**

**3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on theory and operation of computer systems. Topics include: operating systems, interface of operating systems and hardware, central processing unit (CPU) structures and evolution, bus structures, memory, data storage, input/output devices, motherboard structures, number systems, and USB/IEEE 1392 data transmission. Prerequisites: ENG 085 and MAT 093, or appropriate placements

### **CSA 112 Computer Repair 2**

**3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A continuation of CSA 111. Topics include: examining the board/component level of computer systems while using diagnostic software and instrumentation to isolate failures and restore systems to normal operation.

Prerequisites: CSA 111

### **CSA 191 Part-Time Cooperative Education 1: Computer Support and Administration**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their first part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CIT 190

### **CSA 192 Part-Time Cooperative Education 2: Computer Support and Administration**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their second part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CSA 191

### **CSA 193 Part-Time Cooperative Education 3: Computer Support and Administration**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their third part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CSA 192

### **CSA 194 Part-Time Cooperative Education 4: Computer Support and Administration**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their fourth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CSA 193

### **CSA 195 Part-Time Cooperative Education 5: Computer Support and Administration**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their fifth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CSA 194

### **CSA 196 Part-Time Cooperative Education 6: Computer Support and Administration**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their sixth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CSA 195

### **CSA 213 Computer Repair 3**

**3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A continuation of CSA 112. Topics include: specialized hardware, peripheral devices, system optimization, driver installation, internet connectivity, and printer maintenance.

Prerequisites: CSA 112

### **CSA 290 Computer Support and Administration Capstone**

**3 Credits. 2 Lecture Hours. 2 Lab Hours.**

Students work in teams to complete a design project using analog and digital concepts, and prepare a presentation of results. Topics include: design theory, feasibility study, project economics, team building, and effective presentations.

Prerequisites: CSA 112, and NETA 115 or NETC 121

### **CSA 291 Full-Time Cooperative Education 1: Computer Support and Administration**

**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their first full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CIT 190

### **CSA 292 Full-Time Cooperative Education 2: Computer Support and Administration**

**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their second full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CSA 291

### **CSA 293 Full-Time Cooperative Education 3: Computer Support and Administration**

**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their third full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CSA 292

**CSA 294 Internship 1: Computer Support and Administration**

**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their first unpaid field learning experience related to their degree. Students must follow applicable policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CIT 190

**CSA 295 Internship 2: Computer Support and Administration**

**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their second unpaid field learning experience related to their degree. Students must follow applicable policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CSA 294