

## *Computer Networking and Information Technology A.S. Degree*

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Students graduating with an **Associate of Science** degree at City College of San Francisco with a **Major in Computer Networking and Information Technology (C.N.I.T.)** may seek employment in entry-level network administration or computer technical support positions. After completion of the required General Education areas and 21 units of CNIT courses with a grade of C or better, a student could qualify for an A.S. degree with a Major in Computer Networking and Information Technology. The Major consists of completion of the Core Courses and 9-11 units of electives as required from one of the option areas listed below.

### **Courses Required for the Major in Computer Networking and Information Technology**

<b>Core Courses</b>	<b>Units</b>
CNIT 103 Computer Hardware.....	3
CNIT 106 Introduction to Networks or CNIT 201C Introduction to Cisco Networks .....	3
CNIT 131 Internet Basics and Beginning HTML .....	3
CNIT 120 Network Security .....	3

### **Option in Computer Technical Support**

<b>Required</b>	
CNIT 104 Operating Systems Technologies .....	3
CNIT 105 Computer Technical Support .....	3
CNIT 345 Windows 7 Technical Support or CNIT 401 Windows 10 Technical Support .....	3
CNIT 103L Computer Hardware Lab or CNIT 104L Operating Systems Tech Lab or CNIT 105L Computer Tech Support Lab .....	1
Total Units .....	22

### **Option in Internet and Web Development Techniques**

<b>Required</b>	
CNIT 132 Intermediate HTML and CSS .....	3
CNIT 133 Interactive Web Pages - Java Script, AJAX and jQuery.....	3
CNIT 134 Server Side Technologies for the Web .....	3
Total Units .....	21

### **Option in Network Security**

<b>Required</b>	
CNIT 121 Computer Forensics .....	3
CNIT 122 Firewalls .....	3
CNIT 123 Ethical Hacking and Network Defense .....	3
Total Units .....	21

### **Option in Wireless Networks**

<b>Required</b>	
CNIT 107 Wireless LANs .....	3
CNIT 108 Wireless Networks Advanced .....	3
CNIT 113 Technology of Smartphones and Mobile Devices .....	3
Total Units .....	21

### **Option in Cisco Networking**

<b>Required</b>	
CNIT 202C Routing and Switching Essentials .....	3
CNIT 203C Scaling Networks.....	3
CNIT 204C Connecting Networks .....	3
Total Units .....	21

### **Option in Microsoft Windows**

<b>Required</b>	
CNIT 410 Installing and Configuring Windows Server .....	3
CNIT 411 Windows Server Administration or CNIT 415 SQL Server Administration .....	3
CNIT 343 Windows Server Network Infrastructure or CNIT 412 Configuring Advanced Windows Server Services .....	3
CNIT 345 Windows 7 Technical Support .....	3
or CNIT 401 Windows 10 Technical Support .....	3
Total Units .....	21