

# Computer and Internetworking Technologies

## Certificates

### College of DuPage Requirements

**Certificates of 20 credit hours or more:** Students must earn the final 10 credits at College of DuPage.

**Certificates of less than 20 credit hours:** Students must earn one-half of the total required credit hours as the final applicable hours at College of DuPage.

### System Support Specialist Certificate

**Total Required Credits: 17**

**Code: 4910**

#### Certificate Requirements

CIT 1100	PC Maintenance and Upgrading.....	2
CIT 1111	Computer and Hardware Maintenance.....	3
CIT 1112	Advanced System Maintenance.....	3
CIT 1121	Networking Basics.....	3
CIT 1635	Data Communications and Networks.....	3
CIT 1640	Security+.....	3

### Cisco Firewall Specialist Certificate

**Total Required Credits: 18**

**Code: 4911**

#### Certificate Requirements

CIT 1121	Networking Basics.....	3
CIT 1122	Routers and Routing Basics.....	3
CIT 1123	Switching Basics and Intermediate Routing.....	3
CIT 1124	WAN Technologies.....	3
CIT 2251	CCNA Security.....	3
CIT 2252	Securing Networks with PIX and Application Security Appliance (SNPA).....	3

### Microcomputer Servicing Technician Certificate

**Total Required Credits: 13**

**Code: 4914**

#### Certificate Requirements

Elect 1100	Electricity and Electronics Fundamentals.....	2
CIT 1100	PC Maintenance and Upgrading.....	2
CIT 1111	Computer and Hardware Maintenance.....	3
CIT 1112	Advanced System Maintenance.....	3
CIT 1635	Data Communications and Networks.....	3

### Network Professional Certificate

(aka Cisco Certified Network Professional, CCNP)

**Total Required Credits: 12**

**Code: 4915**

#### Certificate Requirements

CIT 2241	Cisco Certified Network Professional I.....	3
CIT 2242	Cisco Certified Network Professional II.....	3
CIT 2243	Cisco Certified Network Professional III.....	3
CIT 2244	Cisco Certified Network Professional IV.....	3

### Computer and Internetworking Technologies Certificate

**Total Required Credits: 44**

**Code: 4916**

#### Certificate Requirements

Elect 1100	Electricity and Electronics Fundamentals.....	2
Elect 1101	Circuits I.....	3
Elect 1102	Circuits II.....	4
CIT 1100	PC Maintenance and Upgrading.....	2
CIT 1111	Computer and Hardware Maintenance.....	3
CIT 1112	Advanced System Maintenance.....	3
CIT 1121	Networking Basics.....	3
CIT 1122	Routers and Routing Basics.....	3
CIT 1123	Switching Basics and Intermediate Routing.....	3
CIT 1124	WAN Technologies.....	3
CIT 1635	Data Communications and Networks.....	3
Math 1431	Precalculus I.....	5
AND		
Math 1432	Precalculus II: Trigonometry.....	3
CIS 1400	Programming Logic and Technique.....	4

### Internetworking Technician Certificate

(aka Cisco Certified Network Associate, CCNA)

**Total Required Credits: 12**

**Code: 4918**

#### Certificate Requirements

CIT 1121	Networking Basics.....	3
CIT 1122	Routers and Routing Basics.....	3
CIT 1123	Switching Basics and Intermediate Routing.....	3
CIT 1124	WAN Technologies.....	3

(continued on next page)

# Computer and Internetworking Technologies

## Certificates

(continued from page 1)

### Computer Forensics Certificate

Total Required Credits: 23

Code: 4961

#### Certificate Requirements

CIT 1100	PC Maintenance and Upgrading .....	2
CIT 1111	Computer and Hardware Maintenance.....	3
CIT 1112	Advanced System Maintenance.....	3
CIT 1121	Networking Basics .....	3
CIT 2651	Computer Forensics I.....	3
CIT 2652	Computer Forensics II .....	3
CIS 1450	Introduction to Linux/UNIX Operating Systems .....	3
Crimj 1153	Rules of Evidence .....	3

### Intrusion Prevention Systems Specialist (IPS)

Total Required Credits: 18

Code: 4962

#### Certificate Requirements

CIT 1121	Networking Basics .....	3
CIT 1122	Routers and Routing Basics.....	3
CIT 1123	Switching Basics and Intermediate Routing .....	3
CIT 1124	WAN Technologies .....	3
CIT 2251	CCNA Security .....	3
CIT 2253	Intrusion Prevention Systems (IPS) .....	3

### Advisers

If you are considering this program as an area of study, consult with an adviser in this field:

	Phone
Tony Chen	(630) 942-2537
E-mail: chento@cod.edu	
Areas of interest: Cisco Certification, Networking, Security, VOIP, Wireless Technology	
Clyde Cox	(630) 942-2520
E-mail: coxclyde@cod.edu	
Areas of interest: CompTIA Certification, Networking	
Mohammad Morovati	(630) 942-2478
E-mail: morovatm@cod.edu	
Areas of interest: Microsoft Certification, Networking	
Joanne Wagner	(630) 942-2692
E-mail: wagnerjo@cod.edu	
Areas of interest: Cisco Certification, Networking, Security	

Program web site: [www.cod.edu/cit](http://www.cod.edu/cit)

### For More Information

Check with the Business and Technology Division, Berg Instructional Center (IC), Room 2026, (630) 942-2592, for program-specific information.