

# Computer and Internetworking Technologies (CIT)

## Certificates

The **Computer and Internetworking Technologies certificate** requires 35 credits in the courses listed below.

### Field of Study Code: CIT.CER

<b>Total Credits Required</b> .....	<b>35</b>
Cit 1100 PC Maintenance and Upgrading.....	2
Cit 1111 Computer and Hardware Maintenance .....	3
Cit 1112 Advanced System Maintenance .....	3
Cit 1116 Network Essentials .....	3
Cit 1121 Introduction to Networks.....	3
Cit 1122 Routing and Switching Essentials .....	3
Cit 1123 Scaling Networks.....	3
Cit 1124 Connecting Networks.....	3
Cit 1640 Security Plus .....	3
Cit 1645 Internet Telephony.....	3
Cit 2251 CCNA Security.....	3
Cit 2651 Computer Forensics I .....	3

The **Cisco Certified Network Associate (CCNA) Security certificate** meets the need of today's IT professionals responsible for network security. It validates the knowledge required to install, troubleshoot, and monitor Cisco security network devices. In addition, CCNA Security confirms an individual's skills for job roles such as network security specialist and security administrator. Upon successful completion of the certificate, students are eligible to take the Cisco Certified Network Associate (CCNA) exam. This certificate requires 15 credits in the courses listed below.

### Field of Study Code: CIT.CER.CCNA

<b>Total Credits Required</b> .....	<b>15</b>
Cit 1121 Introduction to Networks.....	3
Cit 1122 Routing and Switching Essentials .....	3
Cit 1123 Scaling Networks.....	3
Cit 1124 Connecting Networks.....	3
Cit 2251 CCNA Security.....	3

Upon successful completion of the **Network Professional certificate**, students are prepared to sit for the Cisco Certified Network Professional (CCNP) exam. This certificate requires a minimum of 21 credits in the courses listed below.

### Field of Study Code: CIT.CER.NET

<b>Total Credits Required</b> .....	<b>21</b>
Cit 1121 Introduction to Networks.....	3
Cit 1122 Routing and Switching Essentials .....	3
Cit 1123 Scaling Networks.....	3
Cit 1124 Connecting Networks.....	3
Cit 2241 Cisco Certified Network Professional – ROUTE .....	3
Cit 2243 Cisco Certified Network Professional –	

	SWITCH .....	3
Cit 2244	Cisco Certified Network Professional –	
	TSHOOT.....	3

The **System Support Specialist certificate** prepares students to work as Computer and Network Support Specialists. Upon completion, students are prepared for the following industrial certifications: CompTIA A+, CompTIA Net+, and CompTIA Security+. This certificate requires 17 credits in the courses listed below.

### Field of Study Code: CIT.CER.SYS

<b>Total Credits Required</b> .....	<b>17</b>
Cit 1100 PC Maintenance & Upgrading.....	2
Cit 1111 Computer and Hardware Maintenance .....	3
Cit 1112 Advanced System Maintenance.....	3
Cit 1116 Network Essentials.....	3
Cit 1121 Introduction to Networks .....	3
Cit 1640 Security Plus.....	3

Upon successful completion of the **Internetworking Technician certificate**, students are eligible to take the Cisco Certified Network Associate (CCNA) exam. The Internetworking Technician certificate requires a minimum of 12 credits in the courses listed below.

### Field of Study Code: CIT.CER.INET

<b>Total Credits Required</b> .....	<b>12</b>
Cit 1121 Introduction to Networks .....	3
Cit 1122 Routing and Switching Essentials.....	3
Cit 1123 Scaling Networks.....	3
Cit 1124 Connecting Networks.....	3

The **CompTIA A+ and Network+ PC Technician certificate** prepare students for CompTIA A+ and Network+ technician exams. This certificate is designed to provide student a broad exposure to computer systems as well as system networking. This certificate requires 11 credits in the courses listed below.

### Field of Study Code: CIT.CER.TECH

<b>Total Credits Required</b> .....	<b>11</b>
Cit 1100 PC Maintenance & Upgrading.....	2
Cit 1111 Computer and Hardware Maintenance .....	3
Cit 1112 Advanced System Maintenance.....	3
Cit 1116 Network Essentials.....	3

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The **Voice Over IP Telephony certificate** provides foundations in design, installation, and troubleshooting, and use of Voice over IP related software and hardware. This certificate requires 15 credits in the courses listed below.

**Field of Study Code: CIT.CER.VOICE**

<b>Total Credits Required .....</b>			<b>15</b>
Cit	1121	Introduction to Networks.....	3
Cit	1122	Routing and Switching Essentials .....	3
Cit	1123	Scaling Networks.....	3
Cit	1124	Connecting Networks.....	3
Cit	2410	CCNA Voice.....	3

The **Enterprise System Administrator certificate** requires 15 credits in the courses listed below.

**Field of Study Code: CIT.CER.SYSADM**

<b>Total Credits Required .....</b>			<b>15</b>
Cit	1612	Configuring Windows PC Desktop Operating System .....	3
Cit	1613	Enterprise Desktop PC Support Technician ....	3
Cit	1710	Introduction to Servers .....	3
Cit	2510	Advanced Windows 2012 Server Administration .....	3
Cit	2511	Advanced Windows 2012 Server Configuration .....	3

The **Cybersecurity Specialist certificate** requires 21 credits in the courses listed below.

**Field of Study Code: CIT.CER.CYBER**

<b>Total Credits Required .....</b>			<b>21</b>
Cit	1121	Introduction to Networks.....	3
Cit	1122	Routing and Switching Essentials .....	3
Cit	1640	Security Plus .....	3
Cit	1710	Introduction to Servers .....	3
Cit	2251	CCNA Security.....	3
Cit	2640	Ethical Hacking .....	3
Cis	1450	Introduction to Linux/Unix Operating Systems .....	3

### Contact Information:

If you are considering this program as an area of study, please contact the **Business and Technology Division office at 630-942-2592**.

**Program web site:** <http://www.cod.edu/programs/cit/>