



# Cisco Certified Network Administrator (CCNA) Routing and Switching Certificate

2018–2019

## DESCRIPTION:

The Cisco Certified Network Administrator, CCNA Routing and Switching Certificate is a curriculum that provides foundational networking knowledge, practical experience, and soft-skills development to prepare students for entry-level careers in IT and networking. The curriculum focuses on networking for simple home or small office networks to complex enterprise networks. For more information, see [cscs.edu/computerscience](http://cscs.edu/computerscience).

Students are introduced to advanced technologies such as voice, video, wireless and security and gain hands-on experience with switches, routers, cables and other networking technologies. The CCNA Routing and Switching Certificate curriculum prepares students for two different Cisco certification exams, Cisco Certified Entry Network Technician (CCENT), and Cisco Certified Network Associate (CCNA).

## ADMISSION REQUIREMENTS:

This is a non-selective, open admissions program.

## ONGOING REQUIREMENTS:

As they progress through the CCNA Routing and Switching Certificate program, students are prepared for and encouraged to study and complete industry certification exams. In addition, students in their second year are encouraged to secure and complete internships to gain valuable experience working with a team in the field of computer networking.

## OPPORTUNITIES FOR GRADUATES:

### Career:

Network Technician, Support Engineer, Network Administrator, Network Designer, and Network Engineer.

### Transfer:

Other 2-year and 4-year institutions that have similar courses and programs.

**CERTIFICATE REQUIREMENTS (CISCO CERTIFIED NETWORK ADMINISTRATOR—CCNA—ROUTING AND SWITCHING CERTIFICATE):**

**FIRST SEMESTER**

Course	Term	Credits	Milestones/Progress Check
CSCI 2750 Introduction to CISCO Networks	AU	3	
<b>Semester Credits</b>		<b>3</b>	

**SECOND SEMESTER**

Course	Term	Credits	Milestones/Progress Check
CSCI 2752 CISCO Routing & Switching Essentials	SP	3	
<b>Semester Credits</b>		<b>3</b>	

**THIRD SEMESTER**

Course	Term	Credits	Milestones/Progress Check
CSCI 2754 Scaling CISCO Networks	SU	3	
CSCI 2756 Connecting CISCO Networks	SU	3	
<b>Semester Credits</b>		<b>6</b>	
<b>Total</b>		<b>12</b>	

*AU: Autumn Semester/SP: Spring Semester/SU: Summer Semester  
Requirements subject to change.*