

CISCO CERTIFIED NETWORK ADMINISTRATION (CCNA)

csit.missioncollege.edu

Department Chair: Faramarz Mortezaie
(408-855-5921 | GC-217A)
faramarz.mortezaie@missioncollege.edu
Dean: Clement Lam

Certificate of Achievement in Cisco Certified Network Administration (CCNA)

The Certificate of Achievement in Cisco Certified Network Administration (CCNA) is designed to provide the knowledge and skills needed to design, install, operate, and maintain networks in small-to-medium businesses as well as enterprise and service provider environments. The program provides an integrated and comprehensive coverage of networking topics including; IP fundamentals, network security and services, network programmability and automation while providing learners opportunities for hands-on practical experience and career skills development. This program prepares students for the globally recognized Cisco CCNA certification.

Program Learning Outcomes:

- Install, operate, and troubleshoot medium-sized routed and switched networks.
- Implement and troubleshoot various protocols to manage addressing, perform load balancing and authentication.
- Develop critical thinking and problem-solving skills using real equipment and Cisco Packet Tracer.

Career/Transfer Opportunities:

Career opportunities include the following: Network Technician, Network Administrator, Network Engineer, Network Analyst, or Network security analyst.

To earn this certificate, students must complete the minimum required courses with a grade of C (or P) or better.

Core Requirements (12 Units):

Complete all of the following

		Units
CIT 021	Introduction to Cisco Networks (Cisco-1)	4.0
CIT 022	Routing and Switching Essential (Cisco-2)	4.0
CIT 023	Scaling Networks (Cisco-3)	4.0

Elective (4 units):

Complete a minimum of four units from the following

		Units
CIT 011	Introduction to Computer Hardware and Software (A+)	4.0
CIT 012	Introduction to Networking	4.0
CIT 013	AWS 1 Cloud Practitioner- Foundational	3.0
CIT 014	AWS 2 Solutions Architect- Associate	4.0
CIT 016	IT Security & Ethical Hacking	4.0
CIT 017	Cyber Security Essentials	4.0
CIT 018	CCNA Cyber Security Operations	4.0
CIT 024	Connecting Networks (cisco-4)	4.0
CIT 078	Microsoft Server Essentials 1	4.0

Total Required Units:

16.0

