


PROGRAMS

CIT: CISCO CERTIFIED NETWORK ASSOCIATE - CERTIFICATE

Cisco Certified Network Associate (CCNA) - Certificate

Image:	
Title:	CISCO Networking
Text:	Learn more.
Link 1:	CCNA Cisco Academy
Link 2:	All CIT Courses
Link 3:	Register via Mission Portal

The Certificate of Achievement in Cisco Certified Network Administration (CCNA) is designed to provide the knowledge and skills needed to install, operate, and troubleshoot a small-to-medium size enterprise branch network, which includes connecting to multiple WANs, basic security measures, and wireless extension of the network. This program prepares students for the globally-recognized Cisco CCNA certification.

SJSU Articulation

CIT 021, CIT 022, CIT 023 and CIT 024 courses are articulated with Tech 65, Tech 66, & Tech 68 courses at SJSU leading to a [Bachelor of Science in Industrial Technology Computer Network Systems Management Concentration](#).

Program Learning Outcomes

- Students will install, operate, and troubleshoot medium-sized routed and switched networks.
- Students will implement and troubleshoot various protocols to manage addressing, perform load balancing and authentication.
- Students will establish and troubleshoot connection to service provider over WAN.

Meet the Following Requirements

1. Complete all required certificate courses with a C (or P) or better.
2. Complete at least 1/3 of the program courses at Mission College to establish residency.

NOTES:

- *Requirements here apply to the current catalog year and are subject to change. Visit DegreeWorks in-1 My Mission Portal-1 to view requirements based your catalog year.*
- *Not all classes are offered each semester.*

PROGRAMS

Required Core Courses

Code	Class	Units
CIT 021	Cisco Network Fundamentals (CISCO-1) (3.0 Lecture/1.0 Lab)	4.0
CIT 022	Switching, Routing, and Wireless Essentials (3.0 Lecture/1.0 Lab)	4.0
CIT 023	Enterprise Networking, Security, and Automation (3.0 Lecture/1.0 Lab)	4.0

Elective Courses: Select one (1)

Code	Class	Units
CIT 011	Introduction to Computer Hardware and Software (A+) (3.0 Lecture/1.0 Lab)	4.0
CIT 012	Introduction to Networking (3.0 Lecture/1.0 Lab)	4.0
CIT 013	AWS 1 Cloud Practitioner- Foundational (2.5 Lecture/0.5 Lab)	3.0
CIT 014	AWS 2 Solutions Architect- Associate (3.0 Lecture/1.0 Lab)	4.0
CIT 016	CyberSecurity and Ethical Hacking (3.0 Lecture/1.0 Lab)	4.0
CIT 017	Cyber Security Essentials (3.0 Lecture/1.0 Lab)	4.0
CIT 018	CCNA Cyber Security Operations (3.0 Lecture/1.0 Lab)	4.0
CIT 024	Implementing and Administering Cisco Networking Technologies (3.0 Lecture/1.0 Lab)	4.0
CIT 078	Microsoft Server Essentials 1 (3.0 Lecture/1.0 Lab)	4.0

Units Required

	Units
Total Required Units	16.0