



Cisco Certified Network Associate Certification Preparation (CCNA) C.C.

Career Community: Computer Technology and Networking

Curriculum Code: 1469

Effective: Fall 2025 – Summer 2030

Purpose of the Major

The Cisco Certified Network Associate Certification Preparation (CCNA) curriculum prepares students for the CCNA certification exam. CCNA is the industry standard foundational certification for networking careers. This curriculum provides a highly concentrated training experience in computer networking and is designed for retraining and professional development. Students completing this certificate may use the credits towards the Computer Networking and Cybersecurity Associate of Business Degree (1453).

Milestone

Completion of CITN 220 with a 2.0 or higher is a key component for success in completing this program. Knowledge obtained in this course is the foundation for learning in other required courses. Students are encouraged to contact their faculty if they need additional assistance with learning the concepts presented in this course.

Additional Information

A student must earn a minimum grade of 2.0 in all courses.

Contact Information

For further information, including career options, course substitutions and waivers, etc., contact the Computer Information Technologies Program in the West Campus Building, Room M103, telephone number 517-267-6406 or Student Services West Campus, West Campus Building, Room M016, telephone number 517-267-5452.

Major Required Courses

Course Code	Course Title	Credit / Billing Hours
CITN 220	Introduction to Networks	3 / 3
CITN 225	Switch Route Wireless Essentials	3 / 3
CITN 240	Ent Networking Sec Automation	3 / 3
CITS 125	Computer Support: A+ Cert Prep	6 / 6

Major Required Courses, Limited Choice –Select one

Course Code	Course Title	Credit / Billing Hours
CITN 222	Wireless Networking & Security	3 / 3
CITN 280	IT Security Foundations	3 / 3
CITO 100	Cloud Foundations with AWS	3 / 3

Minimum Total Credit Hours

18 credits / 18 billing hours

Recommended Course Sequence

Semester I
CITN 220 (First 8 weeks) – Milestone course
CITN 225 (Second 8 weeks)
CITS 125

Semester II
CITN 240 (First 8 weeks)
Limited Choice

LCC makes every effort to limit revisions to the pathways during their effective timeframe. However, the College reserves the right to update certificate and degree titles, and make course changes as needed, without prior notice. The College also reserves the right to discontinue programs when warranted.