

Washtenaw Community College Comprehensive Report

CNT 295 CNT Cisco Certification Preparation Effective Term: Fall 2025

Course Cover

College: Business and Computer Technologies
Division: Business and Computer Technologies
Department: Computer Science & Information Technology
Discipline: Computer Networking Technology
Course Number: 295
Org Number: 13400
Full Course Title: CNT Cisco Certification Preparation
Transcript Title: CNT Cisco Cert Prep
Is Consultation with other department(s) required: No
Publish in the Following: College Catalog , Time Schedule , Web Page
Reason for Submission: Inactivation
Change Information:

Consultation with all departments affected by this course is required.

Rationale: Student demand was too low. We have not offered this class since the winter 2023 semester.

Proposed Start Semester: Winter 2025

Course Description: In this course, students will apply their knowledge of computer networking to application and preparation for the CCNA Routing and Switching certification exam.

Course Credit Hours

Variable hours: No

Credits: 1

Lecture Hours: Instructor: 15 Student: 15

Lab: Instructor: 0 Student: 0

Clinical: Instructor: 0 Student: 0

Total Contact Hours: Instructor: 15 Student: 15

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

Requisites

Prerequisite

CNT 206 minimum grade "C"

and

Prerequisite

CNT 216 minimum grade "C"

and

Prerequisite

CNT 226 minimum grade "C"; may enroll concurrently

General Education**Request Course Transfer**

Proposed For:

Student Learning Outcomes

1. Apply knowledge and skills related to network fundamentals, network access, IP connectivity, IP services, security fundamentals, and automation and programmability.

Assessment 1

Assessment Tool: CCNA Routing and Switching preparation exam

Assessment Date: Winter 2025

Assessment Cycle: Every Three Years

Course section(s)/other population: All sections

Number students to be assessed: All students

How the assessment will be scored: Answer key

Standard of success to be used for this assessment: 70% of students will score 70% or higher.

Who will score and analyze the data: The exam will be automatically graded by the Test Preparation Tool. The results will be analyzed by full-time faculty.

2. Demonstrate test-takings strategies that will prepare the student for the CCNA Routing and Switching certification exam.

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Course Objectives

1. Describe network fundamentals required for network implementation.
2. Configure and maintain devices for network access.
3. Configure and implement routing to allow for connectivity between remote networks.
4. Configure and verify network IP services.
5. Implement secure network features and protocols.
6. Recognize the advantages of automation and programmability in both traditional and controller-based networks.
7. Recognize test-taking strategies used in the CCNA Routing and Switching certification exam.
8. Apply test-taking strategies used in the CCNA Routing and Switching certification exam.

New Resources for Course**Course Textbooks/Resources**

Textbooks
 Manuals
 Periodicals
 Software

Equipment/Facilities

Level III classroom
 Computer workstations/lab

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>John Trame</i>	<i>Faculty Preparer</i>	<i>Oct 07, 2024</i>
Department Chair/Area Director: <i>Edward Szurek</i>	<i>Recommend Approval</i>	<i>Oct 17, 2024</i>
Dean: <i>Eva Samulski</i>	<i>Recommend Approval</i>	<i>Oct 22, 2024</i>
Curriculum Committee Chair: <i>Randy Van Wagnen</i>	<i>Reviewed</i>	<i>Feb 11, 2025</i>
Assessment Committee Chair:		
Vice President for Instruction: <i>Brandon Tucker</i>	<i>Approve</i>	<i>Feb 12, 2025</i>

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Discipline: Computer Networking Technology

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Org Number: 13400

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Publish in the Following: College Catalog , Time Schedule , Web Page

Reason for Submission: New Course

Change Information:

Rationale: Certification preparation goes beyond the scope of a standard course. This one credit hour capstone course will prepare students for the industry certification related to the WCC Computer Networking Academy I certificate.

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<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Cyndi Millns</i>	<i>Faculty Preparer</i>	<i>Jan 05, 2021</i>
Department Chair/Area Director: <i>Cyndi Millns</i>	<i>Recommend Approval</i>	<i>Jan 06, 2021</i>
Dean: <i>Eva Samulski</i>	<i>Recommend Approval</i>	<i>Jan 07, 2021</i>
Curriculum Committee Chair: <i>Lisa Veasey</i>	<i>Recommend Approval</i>	<i>Mar 03, 2021</i>
Assessment Committee Chair: <i>Shawn Deron</i>	<i>Recommend Approval</i>	<i>Mar 04, 2021</i>
Vice President for Instruction: <i>Kimberly Hurns</i>	<i>Approve</i>	<i>Mar 05, 2021</i>