

Prepare for Cisco Certifications

— While working on your AAS Degree or Certificate of Achievement

The CIT Department at the College of Southern Nevada offers many courses to help you prepare for industry-recognized certifications. The courses will also fulfill requirements for AAS Degrees and Certificates of Achievement. This document presents AWS certifications and their associated preparatory courses. All courses are 3 credits, unless noted otherwise.

The course material of each class can serve only as a guide to the specific topics covered in the certification exams. Passing these classes does not guarantee that you will pass the certification exams. Additional review and practice will be required to achieve the mastery of the concepts and skills needed to pass the exams.

If you already hold current versions of these industry certifications, you may wish to use them to petition for Non-Traditional Educational (NTE) credit for relevant courses required for AAS degrees or Certificates of Achievement. You will find the specific rules, procedures, and limitations in the online [2024-2025 General Catalog](https://catalog.csn.edu/) (<https://catalog.csn.edu/>):

- Select “Admission Information” in the Catalog Navigation bar
- Select “Alternative Credit Options” from the Admission Information options
- Scroll down to the “Non-Traditional Education (NTE)” section

Refer to the online 2024-2025 Catalog for [Course Descriptions](#) and [Degree Requirements](#).

Contact [Karen Ahern](#), Networking Program Director, for more information about these certifications.

CCNA - Cisco Certified Network Associate

According to Cisco’s [CCNA website](https://www.cisco.com/c/en/us/training-events/training-certifications/certifications/associate/ccna.html) (<https://www.cisco.com/c/en/us/training-events/training-certifications/certifications/associate/ccna.html>), “CCNA certification proves you have what it takes to navigate the ever-changing landscape of IT. CCNA exam covers networking fundamentals, IP services, security fundamentals, automation and programmability. Designed for agility and versatility, CCNA validates that you have the skills required to manage and optimize today's most advanced networks.”

The CCNA certification is earned by passing Exam 200-301. This proctored, 120-minute exam validates your skills and knowledge in the following areas:

- Network fundamentals
- IP Services
- Security fundamentals
- Automation

The following courses at CSN will prepare you for the CCNA exam:

- CSCO 120 CCNA Introduction to Networks
- CSCO 121 CCNA Switching, Routing, and Wireless Essentials (Prerequisite: CSCO 120)
- CSCO 220 CCNA Enterprise Networking, Security, and Automation (Prerequisite: CSCO 121)

Each of these three courses is 4 credits, and fulfill requirements for the following:

- AAS Degree in CIT Cyber Security - Network Security (CSCO 120, CSCO 121: cores; CSCO 220: elective)
- AAS Degree in CIT Networking – Network Administration (CSCO 120, CSCO 121, CSCO 220: cores)

CCNP — Cisco Certified Network Professional Enterprise

According to Cisco's [CCNP website](https://learningnetwork.cisco.com/s/ccnp-enterprise) (<https://learningnetwork.cisco.com/s/ccnp-enterprise>) "Implementing Cisco Enterprise Network Core Technologies v1.1 (ENCOR 350-401) is a 120-minute exam associated with the CCNP and CCIE Enterprise Certifications. Exam tests a candidate's knowledge of implementing core enterprise network technologies, including dual stack (IPv4 and IPv6) architecture, virtualization, infrastructure, network assurance, security, and automation." You will be tested for your knowledge of these subjects:

- Architecture
- Virtualization
- Infrastructure
- Network Assurance
- Security
- Automation

The following three courses at CSN will prepare you to take the two exams needed to obtain the CCNP Enterprise certification:

- CSCO 480 CCNP Enterprise – Core Networking I
(Prerequisite CCNA certification OR completion of CSCO 221)
- CSCO 482 CCNP Enterprise – Core Networking II
(Co-requisite: CSCO 480 or Instructor approval).

Both 480 and 482 must be taken in the same semester.

- CSCO 484 CCNP ENCOR Capstone

These three courses are each 4 credits, and each fulfills a core requirement for the

- Certificate of Achievement in Information Management - Network Infrastructure Analyst

This Certificate of Achievement is accepted as the third year of study at institutions that articulate a joint Bachelor of Applied Science degree with College of Southern Nevada.

Costs

Fees for 300-400 level classes are

- about \$674 for 3-credit courses
- about \$902 for 4-credit courses

For additional fees, such as those for online courses and for non-residents, go to the cashier's [Tuition & Fees](#) page (<https://www.csn.edu/financial-aid/tuition-and-fees>). If applicable, Additional Course Fees are noted in MyCSN.

The fees for the certification exams are NOT included in CSN's fees. Textbooks are an additional expense.

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