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 Cisco certifications and their associated preparatory courses.

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. Specific rules, procedures and limitations apply. See the "Challenges" section on page 9 in the printed version of the 2017–2018 General Catalog & Student Handbook for details.)

CCENT — Cisco Certified Entry Networking Technician

According to Cisco’s website (http://www.cisco.com/c/en/us/training-events/training-certifications/certifications/entry/ccent.html) the CCENT certification is a good place to start your career in networking. Specifically, the CCENT certification validates your “ability to install, operate and troubleshoot a small enterprise branch network, including basic network security.” These are all skills required for entry-level positions in networking.

The following two courses at CSN will prepare you to take the CCENT exam #100-101 ICND1:

- CSCO 120 CCNA Internetworking Fundamentals
- CSCO 121 Routing and Switching Essentials (Prerequisite: CSCO 120)

Each of these courses is 4 credits. Both of these courses also fulfill requirements for the following:

- AAS Degree in CIT Cyber Security - Digital Forensics
- AAS Degree in CIT Cyber Security - Network Security
- AAS Degree in CIT Networking - Router/Switch
- Certificate of Achievement in Cyber Security - Digital Forensics

Contact Dale Wallace, Networking Program Director, for more information.

CCNA Routing and Switching


The CCNA certification can be completed in either of two ways:

1. Complete the 100-105 ICND1 exam AND the 200-105 ICND2 exam;
2. OR complete the 200-125 CCNA composite exam.
At CSN, once you have completed the training for the CCENT exam, the following two courses will prepare you to take the 200-105 ICND2 exam or the 200-125 CCNA composite exam:

- CSCO 220 Scaling Networks (Prerequisite: CSCO 121)
- CSCO 221 CCNA WAN Fundamental (Prerequisite: CSCO 220)

CSCO 220 and CSCO 221 are each 4-credit courses, and both fulfill requirements for the following:

- AAS Degree in CIT Cyber Security - Digital Forensics
- AAS Degree in CIT Cyber Security - Network Security
- AAS Degree in CIT Networking - Router/Switch
- Certificate of Achievement in Cyber Security - Digital Forensics

Contact Dale Wallace, Networking Program Director, for more information.

**CCNA Security**

According to Cisco’s website (http://www.cisco.com/c/en/us/training-events/training-certifications/certifications/associate/ccna-security.html), the CCNA Security certification validates your skills “required to develop a security infrastructure, recognize threats and vulnerabilities to networks, and mitigate security threats.”

The following CSN course will prepare you to take the 210-260 IINS exam:

- CSCO 230B Fundamentals of Network Security (Prerequisite: CSCO 121)

CSCO 230B is 4 credits, and it fulfill a requirement for the following:

- AAS Degree in CIT Cyber Security - Digital Forensics
- AAS Degree in CIT Cyber Security - Network Security
- Certificate of Achievement in Cyber Security - Digital Forensics

Contact Dale Wallace, Networking Program Director, for more information.

**CCNP — Cisco Certified Network Professional Routing and Switching**

According to Cisco’s website (http://www.cisco.com/c/en/us/training-events/training-certifications/certifications/professional/ccnp-routing-switching.html), the professional level certifications validate advanced knowledge and skills. Specifically, the “Cisco Certified Network Professional (CCNP) Routing and Switching validates the ability to plan, implement, verify and troubleshoot local and wide-area enterprise networks and work collaboratively with specialists on advanced security, voice, wireless and video solutions.”

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

- CSCO 480 CCNP ROUTE (Prerequisite CCNA certification OR completion of CSCO 221) for exam 300-101 ROUTE.
- CSCO 482 CCNP SWITCH (Prerequisite: CSCO 480) for exam 300-115 SWITCH.
- CSCO 484 CCNP TSHOOT (Prerequisites: CSCO 480 AND CSCO 482) for exam 300-135 TSHOOT

CSCO 480, CSCO 482 and CSCO 484 are each 4-credit courses, 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 3rd year of study at institutions that articulate a joint Bachelors of Applied Science degree with College of Southern Nevada.*

Contact Dale Wallace, Networking Program Director, for more information.
Costs

Fees for 100-200 level classes are

- about $340 for 3-credit courses
- about $450 for 4-credit courses

Fees for 300-400 level classes are

- about $520 for 3-credit courses
- about $690 for 4-credit courses

For additional fees, such as those for non-residents, go to the cashier’s Tuition & Fees page (https://www.csn.edu/tuition-fees). The fees for the certification exams are NOT included in CSN’s fees. Textbooks are an additional expense.

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