Prepare for CompTIA 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 CompTIA 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. 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.)

A+

According to CompTIA’s website (https://certification.comptia.org/certifications/a), the CompTIA A+ certification validates your “understanding of the most common hardware and software technologies in business and certifies the skills necessary to support complex IT infrastructures.”

To attain A+ Certification, you need to pass two exams:

- CompTIA A+ 220-901  
  — this exam covers “PC hardware and peripherals, mobile device hardware, networking and troubleshooting hardware and network connectivity issues.”

- CompTIA A+ 220-902  
  — this exam covers “installing and configuring operating systems including Windows, iOS, Android, Apple OS X and Linux. It also addresses security, the fundamentals of cloud computing and operational procedures.”

The following course at CSN will prepare you for the A+ certification:

- CIT 114B IT Essentials

This course fulfills a core requirement for the following:

- AAS Degree in CIT Networking - Client/Server
- AAS Degree in CIT Networking - Linux
- AAS Degree in CIT Networking - Router/Switch

Contact Dale Wallace, Networking Program Director, for more information.
CompTIA Linux+ Powered by LPI (Linux Professional Institute)

According to CompTIA’s website (https://certification.comptia.org/certifications/linux), the Linux+ certification requires you to pass two exams: LX0-103 and LX0-104. Once you have passed these exams, you can apply to Linux Professional Institute for their certifications.

CSN offers the following Linux courses:

- CIT 173 Introduction to Linux (Students should have basic computer literacy.)
- CIT 174 Linux System Administration (Students should complete CIT 173 or have knowledge of Linux fundamentals before attending this course.)
- CIT 176 Linux Shell Programming

These classes prepare students for CompTIA LX0-103 and LX0-104 exams.

CSN’s Linux classes also fulfill some 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 - Client/Server
- AAS Degree in CIT Networking - Linux
- AAS Degree in CIT Networking - Router/Switch
- Certificate of Achievement in Cyber Security - Digital Forensics

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

Network+

According to CompTIA’s website (https://certification.comptia.org/certifications/network), the Network+ certification exam “validates the essential knowledge and skills needed to confidently design, configure, manage and troubleshoot any wired and wireless networks.”

The following class will prepare you for the Network+ certification exam (N10-006):

- CIT 112B Network+

This course also fulfills a core requirement for the following:

- AAS Degree in CIT Cyber Security - Digital Forensics
- AAS Degree in CIT Cyber Security - Network Security
- AAS Degree in CIT Networking - Client/Server
- AAS Degree in CIT Networking - Linux
- AAS Degree in CIT Networking - Router/Switch
- AAS Degree in CIT Software - Database
- AAS Degree in CIT Software - Programming
- AAS Degree in CIT Software - Web Development

Contact Dale Wallace, Networking Program Director, for more information.
**Project+**

According to CompTIA’s website (https://certification.comptia.org/certifications/project), the Project+ exam validates “validates the ability to initiate, manage and support a project or business initiative....Project+ is designed for any individual who wants to validate project management experience.” The following class will prepare you for Project+ certification exam (PK0-004):

- CIT 263B Project Management (Prerequisites: IS 100B or 101; AND either ENG 100 or above with a grade of C or higher OR COM 101 or above with a grade of C or higher; or Instructor approval.)

The course also fulfills a core requirement for the following:

- AAS Degree in CIT Cyber Security - Network Security
- AAS Degree in CIT Networking - Client/Server
- AAS Degree in CIT Networking - Linux
- AAS Degree in CIT Networking - Router/Switch
- AAS Degree in CIT Software - Database
- AAS Degree in CIT Software - Programming
- AAS Degree in CIT Software - Web Development

Contact Naser Heravi, Software Program Director, for more information.

**Security+**

According to CompTIA’s website (https://certification.comptia.org/certifications/security), “the Security+ exam covers “network security, compliance and operation security, threats and vulnerabilities as well as application, data and host security. Also included are access control, identity management, and cryptography.”

The following class will prepare you for Security+ certification exams:

- CIT 217 Security+ (Prerequisite: CIT 112B or associated certifications.)

The course also fulfills 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 - Client/Server
- AAS Degree in CIT Networking - Linux
- AAS Degree in CIT Networking - Router/Switch
- Certificate of Achievement in Cyber Security - Digital Forensics

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

If you are interested in learning about computer security, but are not interested in a certification, you should consider enrolling in CIT 160 Introduction to Computer Security. CIT 160 fulfills a core requirement for the following:

- AAS Degree in CIT Software - Database
- AAS Degree in CIT Software - Programming
- AAS Degree in CIT Software - Web Development

Contact Naser Heravi, Software 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.

*Updated 16 August 2017 for 2017-2018 Academic Year.*