Prepare for Python Institute 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/*):

- 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 Eve Taghva, Networking Program Director, for more information about these certifications.

PCEP™ – Certified Entry-Level Python Programmer

According to the Python Institute's PCEP webpage (*https://pythoninstitute.org/pcep*), the successful candidate will be "… familiar with universal computer programming concepts like data types, containers, functions, conditions, loops, as well as Python programming language syntax, semantics, and the runtime environment."

The following course at CSN will prepare you for Exam PCEP-30-0x:
- CIT 148 Beginning Python Programming (Prerequisite: CIT 129)

This course can fulfill requirements for:

- AAS Degree in CIT Networking – Network Administration (core)
- AAS Degree in CIT Software – Programming (elective)

PCAP™ – Certified Associate in Python Programming

According to the Python Institute's [PCAP webpage](https://pythoninstitute.org/pcap) (*https://pythoninstitute.org/pcap*), the successful candidate "… is familiar with the more advanced aspects of programming, including the essentials of OOP, the essentials of modules and packages, the exception handling mechanism in OOP, advanced operations on strings, list comprehensions, lambdas, generators, closures, and file processing.

The following course at CSN will prepare you for Exam PCEP-30-0x:

- CIT 248 Advanced Python Programming (Prerequisite: CIT 148)

This course can fulfill requirements for:

- AAS Degree in CIT Software – Programming (elective)

Costs

Fees for 100-200 level classes are

- about $456 for 3-credit courses
- about $585 for 4-credit courses

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](https://www.csn.edu/financial-aid/tuition-and-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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