

# 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 two Python Institute certifications and their current associated preparatory courses offered at CSN.

*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 [Alternative Credit Options](https://catalog.csn.edu/content.php?catoid=11&navoid=2829) (<https://catalog.csn.edu/content.php?catoid=11&navoid=2829>) section in the online 2023–2024 General Catalog, Admissions Information for details. Scroll down to find the “Non-Traditional Education (NTE)” section.)

Refer to the online 2023-2024 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) (<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:

- CS 138 Programming for Data Science I (Prerequisite: CIT 129, formerly, IS 115)

This course can fulfill requirements for:

- 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:

- CS 238 Programming for Data Science II (Prerequisite: CS 138)

This course can fulfill requirements for:

- AAS Degree in CIT Software – Programming (elective)

### Costs

Fees for 100-200 level classes are:

- about \$411 for 3-credit courses
- about \$543 for 4-credit courses

Fees for 300-400 level classes are:

- about \$634 for 3-credit courses
- about \$845 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.

*Updated 10 August 2023 for the 2023-2024 Academic Year.*