

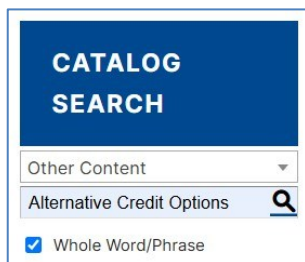
Prepare for C++ Institute Certifications

~ *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 C and C++ 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 [2025-2026 General Catalog](https://catalog.csn.edu/) (<https://catalog.csn.edu/>):



1. Select "Other Content" in the drop-down menu in the CATALOG SEARCH box.
2. Type "Alternative Credit Options" in Search Catalog.
3. Then click on the magnifying glass.
4. In the resulting Catalog Search page, scroll down to *Search Results*.
5. Click on the *Registrar* option.
6. Click on the *Alternative Credit Options* in the list of topics for the Registrar
7. Scroll down until you find the "Non-Traditional Education (NTE)" section.

Refer to the online 2025-2026 Catalog for

- [Course Descriptions](https://catalog.csn.edu/content.php?catoid=19&navoid=6603) (<https://catalog.csn.edu/content.php?catoid=19&navoid=6603>)
- [Degree Requirements](https://catalog.csn.edu/content.php?catoid=19&navoid=6692) (<https://catalog.csn.edu/content.php?catoid=19&navoid=6692>).

Contact [James Pristas](#), Software Program Director, for more information about these C and C++ certifications.

C++ Institute

The [C++ Institute](https://cppinstitute.org/cc-certification-exams) (<https://cppinstitute.org/cc-certification-exams>) offers certifications in both the C programming language and the C++ programming language. Classes at CSN will help you prepare for certifications at both the Associate level.

All the classes mentioned below can be used to fulfill requirements for the following degree:

- AAS Degree in CIT Software – Programming (electives)

C++ Institute — C++ Certified Associate Programmer (CPA)

This certification validates a basic knowledge of the C++ programming language. While the following classes at CSN are not tied directly to any certification, they will help you prepare for the C++ Associate Programmer exam.

- CS 135 Computer Science I (Prerequisite: MATH 127 or 128 or 181)
- CS 202 Computer Science (Prerequisite: CS 135)

These courses also fulfill requirements for

- AAS Degree in CIT Software – Programming (electives)
- Computer Science AA (135, 202 cores)
- Certificate of Achievement CS (135 core, 202 elective)

C++ Institute — C Programming Language Certified Associate (CLA)

This certification validates a basic knowledge of the C programming language. While the following classes at CSN is not tied directly to any certification, it will help you prepare for this C Programming exam:

- CIT 131 Beginning C Programming (Prerequisite: CIT 129 (formerly, IS 115))
- CIT 231 Advanced C Programming (Prerequisite: CIT 131)

These courses also fulfill requirements for

- AAS Degree in CIT Software – Programming (electives)

Costs

Fees for 100-200 level classes are

- about \$458 for 3-credit courses
- about \$610 for 4-credit courses

Fees for 300-400 level classes are

- about \$702 for 3-credit courses
- about \$936 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.

Updated 17 August 2025 for the 2025-2026 Academic Year.