

PROGRAMMING CERTIFICATE**Embedded Certificate****Degree Sheet***2026-2027 Catalog*

| Technical Occupational Specialty | | | 15 Credit Hours | <i>Credit Hours</i> | Prerequisites |
|----------------------------------|------|--------------------------------------|-----------------|----------------------|---------------|
| CIS | 1123 | Programming Fundamentals | 3 | [R] | |
| CIS | 1503 | Microcomputer Applications-MS Office | 3 | [R] | |
| CIS | 2363 | Database Design | 3 | CIS 1113 or CIS 1503 | |
| CIS | 2023 | C# (Sharp) Programming | 3 | CIS 1123 | |
| CIS | 2433 | Advanced C# (Sharp) Programming | 3 | CIS 2023 | |

Total to Graduate 15

The courses in this certificate program are embedded within the Computer Information Systems A.A.S. degree, and this certificate may be earned independently.

This program has not been approved by the Dept. of Education to be eligible for federal student aid.

ADDITIONAL GRADUATION REQUIREMENTS:

- 2.0 Graduation/Retention GPA
- 6 credit hours earned in residence at OSU-OKC
- Students must complete the prerequisite course with a grade of 'C' or better to advance to the next course in the required sequence

NOTES LEGEND:

[R] Reading Proficiency/Placement

[W] Writing Proficiency/Placement

[M] Math Proficiency/Placement

Learn more about proficiency requirements at <https://osuokc.edu/proficiency>.