

PROGRAMMING CERTIFICATE**Degree Sheet**

2023-2024 Catalog

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

Total to Graduate 15

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:

FA= Fall, SP=Spring, SU=Summer
 [R] Reading Proficiency/Placement
 [W] Writing Proficiency/Placement
 [M] Math Proficiency/Placement