

Degree & Certificate Requirements

Computer and Information Technology One-Year Certificate

PROFESSIONAL TECHNICAL

2023-2024 Certificate Requirements

Major Courses

| Course Number | Course Title | Credits | Qtr. Completed | Comments / Substitution |
|---------------|---|---------|----------------|-------------------------|
| CS 101 | Intro to Computers & Information Technology | 5 | | |
| CS 102 | Programming Fundamentals [M/S] | 5 | | |
| or | | | | |
| CS& 131 | Computer Science I C++ [M/S] | 5 | | |
| CS 106 | Database Systems | 5 | | |
| CS 117 | Computer Ethics | 2 | | |
| CS 118 | Customer Service | 3 | | |
| CS 150 | Computer Security | 5 | | |
| CS 228 | Windows Server | 5 | | |

Subtotal 30

General Education

| Course Number | Course Title | Credits | Qtr. Completed | Comments / Substitution |
|---------------|---------------------------|---------|----------------|-------------------------|
| ENGL& 101 | English Composition I [C] | 5 | | |

Mathematics - select 5 credits from the following:

| | | | | |
|-----------|------------------------------------|---|--|--|
| MATH& 141 | Precalculus I [M/S] [Q/SR] | 5 | | |
| MATH& 142 | Precalculus II [M/S] [Q/SR] | 5 | | |
| MATH& 144 | Precalculus I & II [M/S] [Q/SR] | 5 | | |
| MATH& 146 | Introduction to Stats [M/S] [Q/SR] | 5 | | |
| MATH& 148 | Business Calculus [M/S] [Q/SR] | 5 | | |
| MATH& 151 | Calculus I [M/S] [Q/SR] | 5 | | |
| MATH& 152 | Calculus II [M/S] [Q/SR] | 5 | | |
| MATH& 153 | Calculus III [M/S] [Q/SR] | 5 | | |

Psychology or Sociology - select 5 credits from the following:

| | | | | |
|---------------------------------|--------------------------|---|--|--|
| PSYC& 100 | General Psychology [S/B] | 5 | | |
| Any PSYC course higher than 100 | | 5 | | |
| SOC& 101 | Intro to Sociology [S/B] | 5 | | |
| SOC& 201 | Social Problems [S/B] | 5 | | |

Communication - select 5-6 credits from the following:

| | | | | |
|-----------|---------------------------------|---|--|--|
| CMST 104 | Speech Essentials [C] | 3 | | |
| CMST 110 | Communication Behavior [C] | 3 | | |
| CMST& 210 | Interpersonal Communication [C] | 5 | | |
| CMST& 220 | Public Speaking [C] | 5 | | |
| CMST 260 | Multicultural Communication [C] | 5 | | |

Subtotal 20-21

Total Credits Required 50-51

Note:

MATH 94 or MATH 95 or MATH 98 or MATH 50 or MATH 70 or MATH 72 with a minimum grade of 2.0 is a prerequisite for all programming classes. Students must receive a minimum grade of 2.5 in all Computer Science courses.