

# Degree & Certificate Requirements

## Computer and Information Technology One-Year Certificate PROFESSIONAL TECHNICAL 2024-2025 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 [RE]	3		
CS 150	Computer Security [RE]	5		
CS 228	Windows Server [RE]	5		
<b>Subtotal</b>		<b>30</b>		

### General Education

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
ENGL& 101	English Composition I [C]	5		
<b>Mathematics - select 5 credits from the following:</b>				
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		
<b>Psychology or Sociology - select 5 credits from the following:</b>				
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		
<b>Communication - select 5-6 credits from the following:</b>				
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		
<b>Subtotal</b>		<b>20-21</b>		
<b>Total Credits Required</b>		<b>50-51</b>		

### Note:

Students must receive a minimum grade of 2.5 in all Computer Science courses.