



AP Computer Science Principles (CSC 125) Semester 1 Final Assessment Blueprint

Year Created: 2024-2025

Subject: Career & Technical Education

Method of Delivery: Online

Administration Window: December Common Finals

Item Types Included

Type	Number of Items	Description
MR	4	Multiple Response - Select all the correct answers
MC	20	Multiple Choice - Select one answer

Resources

[Software and App Design Course Sequence](#)

Standards At-A Glance

Standard	Number of Items	Standard Description
CTE [2018].ITEC.9-12.SAD.11.4	1	Create and implement basic algorithms
CTE [2018].ITEC.9-12.SAD.13.3	1	Perform integration testing including tests within a program to protect execution from bad input or other run-time errors
CTE [2018].ITEC.9-12.SAD.13.4	1	Categorize, identify, and correct errors in code, including syntax, semantic, logic, and runtime
CTE [2018].ITEC.9-12.SAD.16.5	1	Choose correct GUI objects for input and output of data to the GUI interface (e.g., text boxes, labels, radio buttons, check boxes, dropdowns, and list boxes)
CTE [2018].ITEC.9-12.SAD.3.1	1	Explore intellectual property rights including software licensing and software duplication [e.g., Digital Millennium Copyright Act (DMCA), software licensing, software duplication]
CTE [2018].ITEC.9-12.SAD.4.1	2	Declare numeric, Boolean, character, string variables, and float and double
CTE [2018].ITEC.9-12.SAD.4.2	1	Choose the appropriate data type for a given situation
CTE [2018].ITEC.9-12.SAD.4.5	1	Explain complications of storing and manipulating data (i.e., the Big-O notation for analyzing storage and efficiency concerns, etc.)
CTE [2018].ITEC.9-12.SAD.5.0	1	Perform Basic Computer Mathematics in Information Technology
CTE [2018].ITEC.9-12.SAD.5.1	1	Apply basic mathematics to hardware (e.g., bits, bytes, kilobytes, megabytes, gigabytes, and terabytes)
CTE [2018].ITEC.9-12.SAD.5.2	4	Use binary to decimal, decimal to hexadecimal, hexadecimal to decimal, binary to hexadecimal, and binary to hexadecimal conversions to solve hardware and software problems
CTE [2018].ITEC.9-12.SAD.5.4	1	Interpret and construct mathematical formulas
CTE [2018].ITEC.9-12.SAD.6.2	1	Compare values using relational operators (e.g., =, >, <, <=, not equal)
CTE [2018].ITEC.9-12.SAD.6.3	1	Evaluate Boolean expressions (e.g., AND, OR, NOT, NOR, XOR)
CTE [2018].ITEC.9-12.SAD.7.2	1	Identify how loops are controlled (variable conditions and exits)
CTE [2018].ITEC.9-12.SAD.9.0	1	Identify Internet Protocols and Operations
CTE [2018].ITEC.9-12.SAD.9.2	4	Identify the components and functions of the internet (e.g., HTTP, HTTPS, FTP, IP addresses, IMAP)
CTE [2018].ITEC.9-12.SAD.9.4	2	Identify performance issues (e.g., bandwidth, internet connection types, pages loading slowly, resolution and size graphics)

*Some items may be tagged to more than one standard.