

# NORTH CAROLINA CAREER AND TECHNICAL EDUCATION STANDARDS

## Computer Science and Information Technology Education

Grade: **Grade 9 - 12**

Course: Computer Engineering Technology II **Updated**

**NCCTE.2020.II22** - Computer Engineering Technology II

**NCCTE.2020.II22.01.00** - Understand operating systems

**NCCTE.2020.II22.01.01** - Compare common operating system types and their purposes.

**NCCTE.2020.II22.01.02** - Compare features of Microsoft Windows versions.

**NCCTE.2020.II22.01.03** - Summarize general OS installation considerations and upgrade methods.

**NCCTE.2020.II22.01.04** - Use appropriate Microsoft command line tools.

**NCCTE.2020.II22.01.05** - Use Microsoft operating system features and tools.

**NCCTE.2020.II22.01.06** - Use Microsoft Windows control panel utilities.

**NCCTE.2020.II22.01.07** - Summarize application installation and configuration concepts.

**NCCTE.2020.II22.01.08** - Configure Microsoft Windows networking on a client or desktop.

**NCCTE.2020.II22.01.09** - Use features and tools of the Mac OS and Linux client or desktop operating systems.

**NCCTE.2020.II22.02.00** - Understand security.

**NCCTE.2020.II22.02.01** - Summarize the importance of physical security measures.

**NCCTE.2020.II22.02.02** - Explain logical security concepts.

**NCCTE.2020.II22.02.03** - Compare wireless security protocols and authentication methods.

**NCCTE.2020.II22.02.04** - Detect, remove, and prevent malware using appropriate tools and methods.

**NCCTE.2020.II22.02.05** - Compare social engineering, threats, and vulnerabilities.

**NCCTE.2020.II22.02.06** - Compare Microsoft Windows OS security settings.

**NCCTE.2020.II22.02.07** - Implement security best practices to secure a workstation.

**NCCTE.2020.II22.02.08** - Implement methods for securing mobile devices.

**NCCTE.2020.II22.02.09** - Implement appropriate data destruction and disposal methods.

**NCCTE.2020.II22.02.10** - Configure security on SOHO wireless and wired networks.

**NCCTE.2020.II22.03.00** - Understand software troubleshooting.

**NCCTE.2020.II22.03.01** - Troubleshoot Microsoft Windows OS problems.

**NCCTE.2020.II22.03.02** - Troubleshoot and resolve PC security issues.

**NCCTE.2020.II22.03.03** - Use best practice procedures for malware removal.

**NCCTE.2020.II22.03.04** - Troubleshoot mobile OS and application issues.

**NCCTE.2020.II22.03.05** - Troubleshoot mobile OS and application security issues.

**NCCTE.2020.II22.04.00** - Understand operational procedures.

**NCCTE.2020.II22.04.01** - Compare best practices associated with types of documentation.

**NCCTE.2020.II22.04.02** - Implement basic change management best practices.

**NCCTE.2020.II22.04.03** - Implement basic disaster prevention and recovery methods.

**NCCTE.2020.II22.04.04** - Explain common safety procedures.



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**NCCTE.2020.II22.04.05** - Explain environmental impacts and appropriate controls.

**NCCTE.2020.II22.04.06** - Explain the processes for addressing prohibited content activity, privacy licensing, and policy concepts.

**NCCTE.2020.II22.04.07** - Use proper communication techniques and professionalism.

**NCCTE.2020.II22.04.08** - Identify the basics of scripting.

**NCCTE.2020.II22.04.09** - Use remote access technologies.

