

NORTH CAROLINA CAREER AND TECHNICAL EDUCATION STANDARDS

Computer Science and Information Technology Education

Grade: Grade 9 - 12

Course: Network Administration II **Updated**

NCCTE.2020.BN22 - Network Administration II

NCCTE.2020.BN22.01.00 - Understand network security.

NCCTE.2020.BN22.01.01 - Understand the purposes of physical security devices.

NCCTE.2020.BN22.01.02 - Explain authentication and access controls.

NCCTE.2020.BN22.01.03 - Secure a basic wireless network.

NCCTE.2020.BN22.01.04 - Understand common networking attacks.

NCCTE.2020.BN22.01.05 - Implement network device hardening.

NCCTE.2020.BN22.01.06 - Explain common mitigation techniques and their purposes.

NCCTE.2020.BN22.02.00 - Understand network troubleshooting and tools.

NCCTE.2020.BN22.02.01 - Explain the network troubleshooting methodology.

NCCTE.2020.BN22.02.02 - Use the appropriate tool.

NCCTE.2020.BN22.02.03 - Troubleshoot common wired connectivity and performances issues.

NCCTE.2020.BN22.02.04 - Troubleshoot common wireless connectivity and performance issues.

NCCTE.2020.BN22.02.05 - Troubleshoot common network service issues.

