

Tooele Technical College

88 S Tooele Blvd, Tooele, UT 84074 435-248-1800

1.0 Computing Overview (1) 5.00 PC Technician Responsibilities (2) 5.00 System Components (3) 5.00 Peripheral Devices (4) 5.00 Storage (5) 5.00 Networking (6) 5.00 Wireless Networking (7) 5.00 Printing (8) 5.00 Mobile Devices (9) 5.00 System Implementation (10) 5.00 File Management (11) 5.00 System Implementation (12) 5.00 Security (13) 5.00 Capstone Exercise (14) 10.00 PC Pro Certification Practice Exams (15) 15.00	Certificate Syllabus	Cybersecurity
Cybersecurity (960 hours required) Hours Computer Literacy for IT (ITEC1011) 90.00 Computing Basics (1) 15.00 Microsoft Excel (3) 20.00 Microsoft Excel (3) 20.00 Microsoft PowerPoint (4) 20.00 Microsoft Access (5) 15.00 Workplace Relations (WKSK1503) 30.00 Managing and organizing yourself (1) 10.00 Communication (2) 10.00 Problem Solving (3) 5.00 Leadership and Teamwork (4) 5.00 4 Essentials and Practical Applications (Computer Based Training) (ITEC1900A) 90.00 1.0 Computing Overview (1) 5.00 PC Technician Responsibilities (2) 5.00 System Components (3) 5.00 Peripheral Devices (4) 5.00 Storage (5) 5.00 Networking (6) 5.00 Wireless Networking (7) 5.00 Printing (8) 5.00 Mobile Devices (9) 5.00 System Implementation (10) 5.00 File Management (11) 5.00	Certificate of Proficiency (Catalog Year: 2020)	
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Processors and Memory (3) 9.00	Taking a Computer Apart and Putting it Back Together (1)	9.00
	All About Motherboards (2)	9.00
Power Supplies and Troubleshooting a Computer Problems (4) 9.00	Processors and Memory (3)	9.00
	Power Supplies and Troubleshooting a Computer Problems (4)	9.00

Hard Drives and Other Storage Devices (5)	9.00
Supporting I/O Devices (6)	9.00
Setting up a Local Network (7)	9.00
Network Infrastructure and Troubleshooting (8)	9.00
Supporting Mobile Devices (9)	9.00
Customizing Systems, Virtualization Networks, and Managing Printers (10)	9.00
A+ Essentials and Practical Applications II (ITEC1902)	90.00
Comparing Operating Systems and User Experience (1)	9.00
Installing Operating Systems (2)	9.00
Maintaining Windows (3)	9.00
Optimizing Windows (4)	9.00
Troubleshooting Windows Startup (5)	9.00
Securing Windows Resources (6)	9.00
Security Strategies (7)	9.00
Linux and MacOS (8)	9.00
Final and Certification Practice time (9)	18.00
CompTIA A+ Certification Practice Exams (ITEC1903)	30.00
CompTIA A+ 220-1001 Practice Exams TestOut PC Pro (1)	15.00
CompTIA A+ 220-1002 Practice Exams TestOut PC Pro (2)	15.00
Network + (CBT) (ITEC2001)	90.00
0.0 Introduction (1)	1.00
1.0 Networking Basics (2)	4.00
2.0 Cables and Connectors (3)	5.00
3.0 Networking Devices (4)	5.00
4.0 Ethernet (5)	5.00
5.0 IP Configuration (6)	5.00
6.0 Switch Management (7)	5.00
7.0 Routing (8)	5.00
8.0 Firewalls (9)	5.00
9.0 Network Customization (10)	5.00
10.0 Wireless Networking (11)	5.00
11.0 Wide Area Netowrks (WANS) (12)	5.00
12.0 Network Policies and Procedures (13)	5.00
13.0 Network Security (14)	5.00
14.0 Network Hardening (15)	5.00
15.0 Network Management (16)	5.00
16.0 Network Optimization (17)	5.00
Network Pro Practice Exams (18)	5.00
Network+ Practice Exams (19)	5.00
Network + (ITEC2000)	120.00
Introduction to Networking (1)	9.00
Network Infrastructure and Documentation (2)	9.00
Addressing on Networks (3)	9.00
Network Protocols and Routing (4)	9.00

Network Cabling (5)	9.00
Wireless Networking (6)	9.00
Virtualization and Cloud Computing (7)	9.00
Subnets and VLANs (8)	9.00
Network Risk Management (9)	9.00
Security in Network Design (10)	9.00
Network Performance and Recovery (11)	9.00
Wide Area Networks (12)	9.00
Final Test and Prepartation for CompTIA Net+ Exam (13)	12.00
Security+ SY0-501 (CBT) (ITEC2010)	120.00
Introduction (1)	10.00
Security Basics (2)	10.00
Policies, Procedures, and Awareness (3)	10.00
Physical (4)	10.00
Perimeter (5)	10.00
Network (6)	10.00
Host (7)	10.00
Application (8)	10.00
Data (9)	10.00
Security Pro Practice Exams (10)	10.00
CompTIA Security+ Practice Exams (11)	20.00
Security+ SY0-501 (ITEC2015)	120.00
Introduction to Security (1)	7.00
Malware and Social Engineering Attacks (2)	7.00
Basic Cryptography (3)	7.00
Advanced Cryptography and PKI (4)	7.00
Networking and Server Attacks (5)	7.00
Network Security Devices, Design, and Technology (6)	7.00
Administering a Secure Network (7)	7.00
Wireless Network Security (8)	7.00
Client and Application Security (9)	7.00
Mobile and Embedded Device Security (10)	7.00
Authentication and Account Management (11)	7.00
Access Management (12)	7.00
Vulnerability Assessment and Data Security (13)	7.00
Business Continuity (14)	7.00
Risk Mitigation (15)	7.00
Final and Exam Prep (16)	15.00
Hands-On Ethical Hacking and Network Defense (ITEC2020)	90.00
Ethical Hacking Overview (1)	6.00
TCP/IP Concepts Review (2)	6.00
Network and Computer Attacks (3)	6.00
Footprinting and Social Engineering (4)	6.00
Prot Scanning (5)	6.00

Enumeration (6)	6.00
Programming for Security Professionals (7)	6.00
Desktop and Server OS Vulnerabilities (8)	6.00
Embedded Operating Systems: The Hidden Threat (9)	6.00
Hacking Web Servers (10)	6.00
Hacking Wireless Networks (11)	6.00
Cryptography (12)	6.00
Network Protection Systems (13)	6.00
Final (14)	12.00
Tooele Tech Elective (360 hours required)	Hours
Cybersecurity (360 hours required)	Hours
Cisco CCNA: Introduction to Networks (ITEC1610)	90.00
Explore the Network Pre-Test Exam (1)	6.00
Configure a Network Operating System (2)	6.00
Network Protocols and Communications (3)	6.00
Network Access (4)	6.00
Ethernet (5)	6.00
Network layer (6)	6.00
IP Addressing (7)	6.00
Subnetting IP Networks (8)	6.00
Transport Layer (9)	6.00
Application Layer (10)	6.00
Build a Small Network (11)	6.00
Hands On Skills Exam (12)	12.00
Final Exam (13)	12.00
Cisco CCNA: Routing and Switching Essentials (ITEC1615)	90.00
Routing Concepts Pre-Test exam (1)	8.00
Static Routing (2)	6.00
Routing Dynamically (3) (3)	6.00
Switched Networks (4)	6.00
Switch Configuration (5)	6.00
VLAN's (6)	6.00
Access Control Lists (7)	8.00
DHCP (8)	6.00
NAT for IPv4 (9)	6.00
Device Discovery, Management, and Maintenance (10)	8.00
Hands on Skill Exam (11)	12.00
Final Exam (12)	12.00
Cisco CCNA: Scaling Networks (ITEC1620)	90.00
LAN Design Pre-Test exam (1)	7.00
Scaling VLANS (2)	7.00
STP (3)	7.00
EtherChannel and HSRP (4)	7.00
Dynamic Routing (5)	7.00

EIGRP Tuning and Trooubleshooting (7) 7.00 7.	EIGRP (6)	7.00
Multiarea OSPF (9) 7.00 OSPF Tuning and Troubleshooting (10) 7.70 Hands on Skills Exam (11) 1.000 Final (12) 1.000 Cisco CCNA: Connecting Networks (TEC1625) 90.00 WAN Concepts (1) 8.00 Point to Point Connections (2) 8.00 Branch Connections (3) 8.00 Access Control Lists (4) 8.00 Network Security and Monitoring (5) 8.00 Quality of Service (6) 8.00 Network Evolution (7) 8.00 Network Evolution (7) 8.00 Network Evolution (7) 8.00 Hands on Skill Exam (9) 12.00 Final (10) 14.00 Windows Server Pro 2016 CBT (70-740) (TEC2030) 12.00 Introduction to Windows Server (1) 2.00 Server Configuration and Management (3) 6.00 Networking (4) 5.00 Server Storage (5) 7.00 Hyper-V (6) 7.00 Active Directory (7) 9.00 Group Policy (8) 8.00 Diver Management (12)	EIGRP Tuning and Trooubleshooting (7)	7.00
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Configuring Virtial Machine (VM) Settings (8)	6.00
Configuring Hyper-V Storage (9)	6.00
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