



Tooele Applied Technology College

88 S Tooele Blvd, Tooele, Utah 84074

435-248-1800

Certificate Syllabus		Network Administrator(MCSA)
Certificate 1 Year (Catalog Year: 2017)		
TATC Core (1210 hours required)		Hours
<i>Network Administrator(MCSA) (1210 hours required)</i>		<i>Hours</i>
<i>Computer Literacy for IT (ITEC1011)</i>		90.00
<i>Computing Basics (1)</i>		15.00
<i>Micorsoft Word (2)</i>		20.00
<i>Microsoft Excel (3)</i>		20.00
<i>Microsoft PowerPoint (4)</i>		20.00
<i>Microsoft Access (5)</i>		15.00
<i>A+ Essentials and Practical Applications (ITEC1650)</i>		180.00
<i>First Look at Computer Parts and Tools (1)</i>		12.00
<i>Working inside a Desktop Computers and Laptops (2)</i>		8.00
<i>All about Motherboards (3)</i>		8.00
<i>Supporting Processors and Upgrading Memory (4)</i>		8.00
<i>Supporting the Power System and Troubleshooting Computers (5)</i>		8.00
<i>Supporting Hard Drives and Other Storage Devices (6)</i>		8.00
<i>Survey of Windows Features and Support Tools (7)</i>		8.00
<i>Installing Windows (8)</i>		8.00
<i>Supporting I/O Devices (9)</i>		8.00
<i>Maintaining Windows (10)</i>		8.00
<i>Optimizing Windows (11)</i>		8.00
<i>Supporting Customers and Troubleshooting Windows (12)</i>		8.00
<i>Troubleshooting Windows Startup (13)</i>		8.00
<i>Connecting to and setting up a Network (14)</i>		8.00
<i>Supporting Network Hardware (15)</i>		8.00
<i>Supporting Mobile Operating Systems (16)</i>		8.00
<i>Windows Resources on a Network (17)</i>		8.00
<i>Security Strategies (18)</i>		8.00
<i>Supporting Printer and Customizing a System (19)</i>		8.00
<i>Virtualization, Linux, and Mac OS X (20)</i>		8.00
<i>Final Test and Preparation for CompTIA A+ 220-901 and 220-902 (21)</i>		16.00
<i>A+ Essentials and Practical Applications (Computer Based Training) (ITEC1655)</i>		120.00
<i>1.0 Computing Overview (1)</i>		5.00
<i>PC Technician (2)</i>		5.00
<i>System Components (3)</i>		5.00

<i>Peripheral Devices (4)</i>	5.00
<i>Storage (5)</i>	5.00
<i>Networking (6)</i>	5.00
<i>Printing (7)</i>	5.00
<i>Mobile Devices (8)</i>	5.00
<i>Windows System Management (9)</i>	5.00
<i>System Implementation (10)</i>	5.00
<i>File Management (11)</i>	5.00
<i>Security (12)</i>	5.00
<i>Troubleshooting (13)</i>	5.00
<i>Capstone Exercise (14)</i>	10.00
<i>PC Pro Certification Practice Exams (15)</i>	15.00
<i>Practice Exams (16)</i>	15.00
<i>Practice Exams (17)</i>	15.00
Network + (ITEC1605)	120.00
<i>Introduction to Networking (1)</i>	9.00
<i>How Computers Find Each Other on Networks (2)</i>	9.00
<i>How Data is Transmitted Over Networks (3)</i>	9.00
<i>Structured Cabling and Networking Elements (4)</i>	9.00
<i>Network Cabling (5)</i>	9.00
<i>Wireless Networking (6)</i>	9.00
<i>Cloud Computing and Remote Access (7)</i>	9.00
<i>Network Risk Management (8)</i>	9.00
<i>Unified Communications and Network Performance Management (9)</i>	9.00
<i>Network Segmentation and Virtualization (10)</i>	9.00
<i>Wide Area Networks (11)</i>	9.00
<i>Industrial and Enterprise Networking (12)</i>	9.00
<i>Final Test and Preparation for CompTia N10-006 (13)</i>	12.00
Network + (Computer Based Training (ITEC1606)	80.00
<i>0.0 Introduction (1)</i>	1.00
<i>1.0 Networking Basics (2)</i>	4.00
<i>2.0 Cables and Connectors (3)</i>	4.00
<i>3.0 Networking Devices (4)</i>	4.00
<i>4.0 Ethernet (5)</i>	4.00
<i>5.0 IP Configuration (6)</i>	4.00
<i>6.0 Switch Management (7)</i>	4.00
<i>7.0 Routing (8)</i>	4.00
<i>8.0 Firewalls (9)</i>	4.00
<i>9.0 Network Customization (10)</i>	4.00
<i>10.0 Wireless Networking (11)</i>	4.00
<i>11.0 Wide Area Networks (WANS) (12)</i>	4.00
<i>12.0 Network Policies and Procedures (13)</i>	5.00
<i>13.0 Network Security (14)</i>	5.00
<i>14.0 Network Hardening (15)</i>	5.00

<i>15.0 Network Management (16)</i>	5.00
<i>16.0 Network Optimization (17)</i>	5.00
<i>Network Pro Practice Exams (18)</i>	5.00
<i>Network + Practice Exams (19)</i>	5.00
Windows Server 2008 Active Directory, Configuring (70-640) (ITEC2601)	120.00
<i>Ch 1 - Create an AD Domain (1)</i>	7.00
<i>Ch 2 - Administering an AD Domain (2)</i>	7.00
<i>Ch 3 - Administering User Accounts (3)</i>	7.00
<i>Ch 4 - Managing Groups (4)</i>	7.00
<i>Ch 5 - Configuring Computer Accounts (5)</i>	7.00
<i>Ch 6 - Group Policy Infrastructure (6)</i>	7.00
<i>Ch 7 - Managing Security and Software with GPO's (7)</i>	7.00
<i>Ch 8 - Authentication (8)</i>	7.00
<i>Ch 9 - DNS (9)</i>	7.00
<i>Ch10 - Domain Controllers (10)</i>	7.00
<i>Ch 11 - Sites and AD Replication (11)</i>	7.00
<i>Ch 12 - Mutiple Domains and Forests (12)</i>	7.00
<i>Ch 13 - Directory Business Continuity (13)</i>	7.00
<i>Ch 14 - AD Lighthouse Directory Services (AD LDS) (14)</i>	7.00
<i>Ch 15 - Certificate Services (15)</i>	7.00
<i>Ch 16 - AD Rights Management Services (RMS) (16)</i>	7.00
<i>Ch 17 - AD Federation Services (AD FS) (17)</i>	8.00
WS08 Active Directory, Configuring (70-640 Computer Based Training) (ITEC2602)	80.00
<i>0.0 Active Directory Overview (1)</i>	5.00
<i>1.0 Objects and Accounts (2)</i>	10.00
<i>2.0 DNS (3)</i>	5.00
<i>3.0 Installation (4)</i>	10.00
<i>4.0 Infrastructure (5)</i>	5.00
<i>5.0 Read-only Domain Controller (6)</i>	10.00
<i>6.0 Group Policy (7)</i>	10.00
<i>7.0 Certificate Services (8)</i>	5.00
<i>8.0 Active Directory Roles (9)</i>	5.00
<i>9.0 Maintenance (10)</i>	5.00
<i>Practice Exams (11)</i>	10.00
Windows Server 2008 Network Infrastructure, Configuring (70-642) (ITEC2611)	120.00
<i>01 Configuring IP Addresses (1)</i>	10.00
<i>02 03 DNS Name Resolution (2)</i>	12.00
<i>04 DHCP Configuration (3)</i>	10.00
<i>05 IP Routing (4)</i>	12.00
<i>06 Protecting Network Traffic (5)</i>	10.00
<i>07 Connecting to Networks (6)</i>	10.00
<i>08 Windows Firewall and NAP (7)</i>	11.00
<i>09 Managing Software Updates (8)</i>	12.00
<i>10 Monitoring Computers (9)</i>	11.00

<i>11 Managing Files (10)</i>	10.00
<i>12 Managing Printers (11)</i>	12.00
WS08 Network Infrastructure, Configuring (70-642 Computer Based Training) (ITEC2612)	80.00
<i>0.0 Introduction (1)</i>	10.00
<i>1.0 IPv4 (2)</i>	5.00
<i>2.0 IPv6 (3)</i>	5.00
<i>3.0 DHCP (4)</i>	5.00
<i>4.0 DNS (5)</i>	10.00
<i>5.0 Routing (6)</i>	5.00
<i>6.0 Remote Access (7)</i>	5.00
<i>7.0 Network Access and Security (8)</i>	5.00
<i>8.0 File and Print (9)</i>	10.00
<i>9.0 WSUS (10)</i>	5.00
<i>10.0 Performance and Reliability (11)</i>	5.00
<i>Practice Exams (12)</i>	10.00
Windows Server 2008, Server Administrator (70-646) (ITEC2621)	120.00
<i>01 Installation and Deployment (1)</i>	9.00
<i>02 IP Addressing and Name Resolution (2)</i>	9.00
<i>03 Directory Services, PSO, Certificates (3)</i>	9.00
<i>04 Group Policies (4)</i>	9.00
<i>05 Remote Server Management (5)</i>	9.00
<i>06 RDS and Application Services (6)</i>	9.00
<i>07 File and Print Services (7)</i>	9.00
<i>08 Planning Security Policies (8)</i>	9.00
<i>09 Remote Access and NAP (9)</i>	10.00
<i>10 Provision Data & Plan Storage (10)</i>	10.00
<i>11 Clustering and High Availability (11)</i>	10.00
<i>12 Performance Evaluation & Optimization (12)</i>	9.00
<i>13 Backup and Recovery (13)</i>	9.00
WS08, Server Administrator (70-646 Computer Based Training) (ITEC2622)	80.00
<i>1.0 Deployment (1)</i>	10.00
<i>2.0 Network Infrastructure (2)</i>	10.00
<i>3.0 File and Print (3)</i>	10.00
<i>4.0 Terminal Services (4)</i>	5.00
<i>5.0 Application Server (5)</i>	5.00
<i>6.0 Active Directory (6)</i>	10.00
<i>7.0 Management (7)</i>	10.00
<i>8.0 Disaster Recovery and Availability (8)</i>	10.00
<i>Practice Exams (9)</i>	10.00
Workplace Relations (WKS1501)	20.00
<i>Attitude (1)</i>	5.00
<i>Time Management (2)</i>	5.00
<i>Communication (3)</i>	5.00
<i>Conflict Resolution/Relationship Building (4)</i>	5.00

TATC Recommended Course (0 hours required)	Hours
<i>Network Administrator(MCSA) (0 hours required)</i>	<i>Hours</i>
<i>Keyboarding Basics (BTEC1000)</i>	30.00
<i>Lesson 1-6 (1)</i>	10.00
<i>Lesson 7-12 (2)</i>	10.00
<i>Lesson 13-18 & final assessment (3)</i>	10.00