

2020 AVAYA CATALOG



CERTIFICATION

PROGRAM



TRAINING
SOLUTIONS GROUP, INC.



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Virtual
Instructor Led



Classroom
Instructor Led



Microsoft Certifications

MTA – Windows Server

Administration Fundamentals

This thirty-two (32) hour MTA training course helps participants prepare for the Microsoft Technology Associate Exam 98-365 and builds an understanding of the following topics: Server Installation, Server Roles, Active Directory, Storage, Server Performance Management and Server Maintenance. The Microsoft Technology Associate (MTA) is Microsoft's newest suite of technology certification exams that validate fundamental knowledge needed to begin building a career using Microsoft technologies. This program provides an appropriate entry point to a future career in technology and assumes some hands-on experience or training but does not assume on-the-job experience.

Required Exams:	Delivery Methods:	Recommended Testing Window:
98-365		Within 2 Weeks of Class Ending

32 hours / Prerequisite: None

MTA – Windows Operating System Fundamentals

This thirty-two hour MTA training course assists participants in preparing for Microsoft Technology Associate Exam 98-349 and builds knowledge and skills in: Operating System Configurations, Installing and Upgrading Client Systems, Managing Applications, Managing Files and Folders, Managing Devices, and Operating System Maintenance. This course has been updated to include support of Windows 10. The Microsoft Technology Associate (MTA) is Microsoft's newest suite of technology certification exams that validate fundamental knowledge needed to begin building a career using Microsoft technologies. This program provides an appropriate entry point to a future career in technology and assumes some hands-on experience or training but does not assume on-the-job experience.

Required Exams:	Delivery Methods:	Recommended Testing Window:
98-349		Within 2 Weeks of Class Ending

32 hours / Prerequisite: None

MTA – Security Fundamentals

The MTA Security Fundamentals Training course helps participants prepare for Microsoft Technology Associate Exam 98-367, and build an understanding: Security Layers, Operating System Security, Network Security, and Security Software. This course has been updated to include support of Windows 10. It can serve as a stepping stone to the Microsoft Certified Solutions Associate (MCSA) exams. The Microsoft Technology Associate (MTA) is Microsoft's newest suite of technology certification exams that validate fundamental knowledge needed to begin building a career using Microsoft technologies. This program provides an appropriate entry point to a future career in technology and assumes some hands-on experience or training but does not assume on-the-job experience.

Required Exams:	Delivery Methods:	Recommended Testing Window:
98-367		Within 2 Weeks of Class Ending

32 hours / Prerequisite: None

MTA – Introduction to Programming with Python

The Introduction to Programming with Python course focuses on becoming a Python programmer and having fun doing it. Why should you learn Python as your next (or first) programming language? Python is an easy programming language for beginners to start out with. It's newer than a lot of languages, so it's easier to learn than some of the older languages. There's a lot of demand for Python programmers. The average Python developer salary in the US is \$102,000 (according to Indeed.com). Python is a really popular programming language used by companies like Google, Facebook, Dropbox, Firefox, YouTube, Pinterest, and Instagram. The language is designed to be easy to read, while still being very powerful, which makes it a great language for beginners to learn. The course will include lectures and hands-on labs in a virtual environment. So learn to start writing software that solves real problems, even if you have absolutely no programming experience!

Required Exams:	Delivery Methods:	Recommended Testing Window:
98-381		Within 3 Weeks of Class Ending

40 hours / Prerequisite: None

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SIP Certifications

MTA – Networking Fundamentals

The MTA Networking Fundamentals Training course helps participants prepare for Microsoft Technology Associate Exam 98-366, and build an understanding of these topics: Network Infrastructures, Network Hardware, Protocols and Services, and updated support for Windows 10. The Microsoft Technology Associate (MTA) is Microsoft's newest suite of technology certification exams that validate fundamental knowledge needed to begin building a career using Microsoft technologies. This program provides an appropriate entry point to a future career in technology and assumes some hands-on experience or training but does not assume on-the-job experience.

Required Exams:

98-366

Delivery Methods:



Recommended Testing Window:

Within 2 Weeks of Class Ending

35 hours / Prerequisite: None



SIP School Certification

SSCA- SIP School Certified

Associate

Critical for today's telecommunications, the Session Initiation Protocol (SIP) is a signaling protocol used to establish sessions in an IP network. A session might be a simple two-way telephone call or it might be a collaborative multi-media telepresence conference. The ability to establish these sessions means that a host of innovative services becomes possible, such as voice-enriched e-commerce, web page click-to-dial, Instant Messaging with buddy lists, and IP hosted voice services. The Voice over IP (VoIP) community has adopted SIP as its protocol of choice for signaling and media session management. SIP is derived from RFC 3261 as well as many other RFCs which were developed under the Internet Engineering Task Force (IETF), the body responsible for administering and developing the mechanisms that comprise the Internet. SIP is still evolving and being extended as technology matures and SIP products are socialized in the marketplace.

With implementation of SIP into all PBX manufacturers' systems, as well as VoIP phones, unified collaboration, and mobile communications solutions, it is imperative that those working with these technologies learn about SIP.

Participants will learn everything from the basics of SIP messaging and SIP servers, right through security, firewalls, NAT, troubleshooting, trunking, ENUM, and onto SIP in Unified Communications.

Required Exams:

SIP-SSCA

Delivery Methods:



Recommended Testing Window:

Last Day of Class

24 hours / Prerequisite: Students should have a good understanding of data networking technologies along with the basics of Voice over IP. Having these skills will make the student's experience more productive.

VMware Certifications

VMware Certified Associate – Digital Business Transformation (VCA-DBT) (30 hrs)

As today's carrier network providers, and telecommunications equipment manufacturers pivot towards VMware within a virtualized data center architecture, employment opportunities are increasing — and so is the need for enhanced VMware training. Moving forward, telecommunications staff will need a working understanding of distributed network systems and networking, along with a broad knowledge of virtualization and cloud technologies. Therefore, there is no better place to start than by attaining the VCA-DBT certification.

VMware is a global leader in cloud infrastructure and business mobility and they accelerate the digital transformation journey enabling carriers and enterprises to master a software-defined approach to business and IT. Obtaining the VCA-DBT certification will provide you with a fundamental understanding of VMware's Data Center Virtualization, Network Virtualization, Cloud Management and Automation, and Desktop Mobility.

This course will provide participants an understanding of how they drive and enterprise's digital agenda and will familiarize them with the VMware products and the technologies that support VMware Cloud Foundation, and Cross-Cloud Architecture solutions including vSphere, vSAN, NSX, and vRealize Suite. At the end of this course you will be prepared to take the VMware Certified Associate - Digital Business Transformation (VCA-DBT) certification test which will be administered during the last class.

Required Exams: 1V0-701

Delivery Methods:

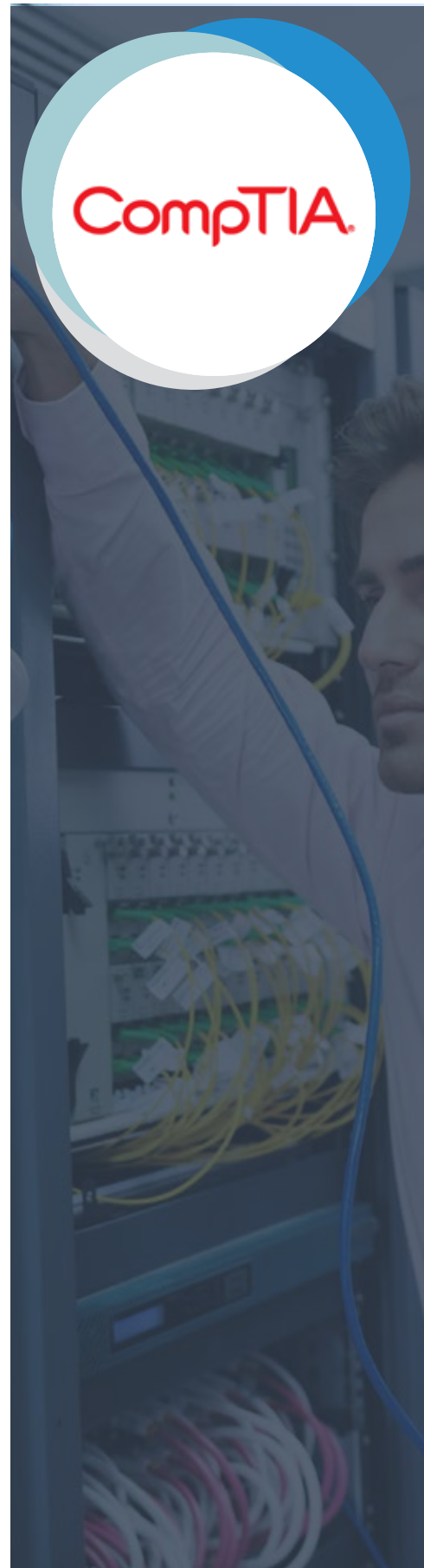
Recommended Testing Window:

1V0-701



[Last Day of Class](#)

30 hours / Prerequisite: Students should have a good understanding of data networking technologies. Having these skills will make the student's experience more productive.



CompTIA Certifications

CompTIA A+

CompTIA A+ certified professionals are proven problem solvers. They support today's core technologies from security to cloud to data management and more. CompTIA A+ is the industry standard for launching IT careers into today's digital world. The CompTIA A+ Core Series is the latest version with expanded content on growing parts of the IT support role including an expansion of baseline security topics and a different approach to defining competency in operational procedures. **Module 1:** CompTIA A+ 220-1001 covers mobile devices, networking technology, hardware, virtualization and cloud computing and network troubleshooting. **Module 2:** CompTIA A+ 220-1002 covers installing and configuring operating systems, expanded security, software troubleshooting and operational procedures.

Required Exams:	Delivery Methods:	Recommended Testing Window:
220-1001 & 220-1002		Within 2-3 Weeks of Class Ending

40 hours / Prerequisite: None.

CompTIA IT Fundamentals+ (IFT+)

The CompTIA IT Fundamentals+ exam focuses on the essential IT skills and knowledge needed to perform tasks commonly performed by advanced end-users and entry-level IT professionals alike, including:

- Using features and functions of common operating systems and establishing network connectivity
- Identifying common software applications and their purpose
- Using security and web browsing best practices

This exam is intended for candidates who are advanced end users and/or are considering a career in IT. The exam is also a good fit for individuals interested in pursuing professional-level certifications, such as A+.

Required Exams:	Delivery Methods:	Recommended Testing Window:
FC0-U61		Last Day of Class

32 hours / Prerequisite: None

CompTIA Network+

The Network+ Certification course will provide participants with the knowledge and skills necessary to pass the CompTIA Network+ Certification examination. Participants will learn the skills necessary to configure networks and resolve problems related to cables, wireless connections, protocols, and applications. Participants will learn to configure, maintain, and troubleshoot networks using a comprehensive set of tools and techniques. This course has recently be updated to include expanded coverage of: criti-

cal security concepts to helping networking professionals work with security practitioners, key cloud computing best practices and typical service models, coverage of newer hardware and virtualization techniques, and concepts to give individuals the combination of skills to keep the network resilient. In addition, many different strategies on how to study and prepare for this test, through practice sessions and exercises, will be explored. Test objectives will be reviewed and practice test simulations will be conducted in class.

Required Exams:	Delivery Methods:	Recommended Testing Window:
N10-007		Within 2-3 Weeks of Class Ending

40 hours / Prerequisite: None. Recommended: MTA Networking

CompTIA Security+

The CompTIA Security+ certification provides participants with the in-depth knowledge and skills to protect networks and computers from malicious attacks. Participants of this course will explore industry-wide topics, including communication security, infrastructure security, cryptography, access control, authentication, external attack, and operational and organization security. Companies like Sun, Symantec, and Motorola know the value of Security+ and recommend or require it of their IT employees.

Required Exams:	Delivery Methods:	Recommended Testing Window:
SY0-501		Within 2-3 Weeks of Class Ending

40 hours / CompTIA Network+

CompTIA CyberSecurity Analyst+ (CySA+)

The CySA+ certification applies behavioral analytics to the IT security market to improve the overall state of IT security. Analytics have been successfully integrated in the business intelligence, retail and financial services industries for decades. Analytics are now applied to IT security.

Cybersecurity analytics greatly improves threat visibility across a broad attack surface by focusing on network behavior, including an organization's interior network. Threats are better detected using analytics. CySA+ is a vendor-neutral IT professional certification and the recommended first professional-level certification for IT security-analyst professionals.

Required Exams:	Delivery Methods:	Recommended Testing Window:
CS0-002		Within 2-3 Weeks of Class Ending

40 hours / Prerequisite: Network+ & Security+

CompTIA PenTest+

The CompTIA PenTest+ course is for cybersecurity professionals tasked with penetration testing and vulnerability management. The CompTIA PenTest+ certification verifies that successful candidates have the knowledge and skills required to plan and scope an assessment, understand legal and compliance requirements, perform vulnerability scanning and penetration testing, analyze data, and effectively report and communicate results.

Required Exams:	Delivery Methods:	Recommended Testing Window:
PT0-001		Within 2-3 Weeks of Class Ending

40 hours / Prerequisite: CompTIA Network+ & Security+

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CompTIA/Cisco Certifications

CompTIA Advanced Security Practitioner (CASP+)

CompTIA Advanced Security Practitioner (CASP+) meets the growing demand for advanced IT security in the enterprise. Recommended for IT professionals with at least 5 years of experience, CASP certifies critical thinking and judgment across a broad spectrum of security disciplines and requires candidates to implement clear solutions in complex environments.

The current landscape of cybersecurity requires specialized skills to troubleshoot via customized hacks and build solid solutions. Each hack is unique and must be combated with master-level security skills and experience. As a CASP-certified IT professional, you will demonstrate that you can provide the best cybersecurity solutions and protection for organizations worldwide.

Required Exams:	Delivery Methods:	Recommended Testing Window:
CAS-003	 	Within 2-3 Weeks of Class Ending

40 hours / Prerequisite: CySA+

CompTIA Linux+

CompTIA Linux+ validates the skills of IT professionals with hands-on experience configuring, monitoring, and supporting servers running the Linux operating system. The new exam has an increased focus on the following topics: security, kernel modules, storage & virtualization, device management at an enterprise level, git & automation, networking & firewalls, server side & command line, server (vs. client-based) coverage, troubleshooting and SELinux.

Required Exams:	Delivery Methods:	Recommended Testing Window:
XXK0-004	 	Within 2-3 Weeks of Class Ending

40 hours / Prerequisite: Networking+ certifications.

CompTIA Cloud Essentials+

CompTIA Cloud Essentials+ is the only internationally recognized, vendor-neutral certification utilizing key business principles and fundamental cloud concepts that validate data-driven cloud recommendations. It stands alone in this field by demonstrating that all necessary staff members – not just the IT specialists – understand how to increase efficiency, manage costs, and reduce security risks for organizations whenever tasked with making current cloud technology decisions.

Business analysts and IT pros alike are consistently called upon to assist their organization in determining which cloud service provider(s) to use, what to migrate to the cloud, and when to implement. Collecting and analyzing cloud products and services information is essential when making operational cloud business decisions. The financial and operational impacts covered by Cloud Essentials+ ensure an ability to develop and implement solid cloud strategies. CompTIA Cloud Essentials+ will show that successful candidates:

- Have the knowledge and understanding of the foundational business and technical components included in a cloud assessment
- Understand specific security concerns and measures
- Comprehend new technology concepts, solutions, and benefits to an organization

Required Exams:	Delivery Methods:	Recommended Testing Window:
CLO-002	 	Last Day of Class

24 hours / Prerequisite: None

CompTIA Cloud+

The CompTIA Cloud+ certification is an internationally recognized validation of the knowledge required of IT practitioners working in cloud computing environments. In this course participants will explore Cloud terminologies/methodologies, implementation, maintenance, and delivery of cloud technologies and infrastructures (e.g. server, network, storage, and virtualization technologies), and aspects of IT security and use of industry best practices related to cloud implementations and the application of virtualization. The course has been updated to include the new technologies that support the changing cloud market as more organizations depend on cloud-based technologies to run mission critical systems, and hybrid and multi-cloud have become the norm.

Required Exams:	Delivery Methods:	Recommended Testing Window:
CV0-002	 	Within 2-3 Weeks of Class Ending

40 hours / Prerequisite: CompTIA Cloud Essentials



Cisco Certifications

Cisco Certified DevNet Associate

A first-of-its-kind at Cisco, the DevNet certification program validates the skills of software developers, DevOps engineers, automation specialists, and other software professionals. The program certifies key emerging technical skills for a new kind of IT professional, empowering organizations to embrace the potential of applications, automation, and infrastructure for the network, IoT, DevOps, and Cloud.

The certification requires one exam that tests your knowledge of software development and design, including:

- Understanding and using APIs
- Cisco platforms and development
- Application development and security
- Infrastructure and automation

Required Exams:	Delivery Methods:	Recommended Testing Window:
200-901DEVASC		Within 3-4 Weeks of Class Ending

40 hours / Prerequisite: MTA – Introduction to Programming with Python

Cisco Certified Network Associate (CCNA)

The New CCNA program is designed to prepare participants for today's associate-level job roles in IT technologies. CCNA now includes security and automation and programmability. The program has one certification that covers a broad range of fundamentals for IT careers, with one exam and one training course to help you prepare.

Newly retooled for the latest technologies and job roles, the CCNA training course and exam give you the foundation you need to take your career in any direction. CCNA certification covers a breadth of topics, including:

- Network fundamentals
- Network access
- IP connectivity
- IP services
- Security fundamentals
- Automation and programmability

Required Exams:	Delivery Methods:	Recommended Testing Window:
200-301 CCNA		Within 3-4 Weeks of Class Ending

40 hours / Prerequisite: Network Plus

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Avaya Technician Certification Bonus Program

Avaya Technician Certification Bonus Program

The Union/Avaya Certification Program is designed to be a long-term program that provides added incentive to grow skills and knowledge in the emerging IP workplace. Below is an outline of the current program offering.

ATTAINMENT LEVELS	CERTIFICATION REQUIREMENTS	SEMI-ANNUAL BONUS
LEVEL 1 AND LEVEL 2 OPTIONS		
LEVEL 1 (Achieve 2 of the items to the right;	<ul style="list-style-type: none"> • CompTIA A+ • CompTIA Net+ • CompTIA IT Fundamentals • CompTIA Cloud Essentials • SSCA (SIP) • MTA Security Fundamentals -OR- • MTA Intro to Python -OR- • MTA Server Admin. Fundamentals 	LEVEL 1 \$500
LEVEL 2 (Achieve 3 of the items to the right)	<ul style="list-style-type: none"> -OR- • MTA Operating Systems -OR- • MTA Networking Fundamentals • ACIS-7120, ACIS-7220, ACIS-7594, ACIS-7130, ACIS-7140, ACIS-7720 • ACSS-7230, ACSS-7694 • ASTA-9090 • ASTA-9050 -OR- • ASTA-9110 -OR- • ASTA-9120 <p><i>The above product certifications represent current offerings. Some credentials may not be available to earn/renew as they are discontinued or retired by Avaya Learning but will continue to be recognized under the Tech Certification Program. New Avaya Product Certifications will continue to be added to the Program as training opportunities as they become available.</i></p>	LEVEL 2 \$1,100
EQUAL 3 AND LEVEL 4 OPTIONS		
LEVEL 3 (Maintain Level 2 plus earn 2 of the items to the right)	Maintain Level 2 requirements plus: <ul style="list-style-type: none"> • Linux (Level 1/Linux Plus) • Cisco Certified Network Associate (CCNA) • Cisco Certified DevNet Associate (CCDA) • CompTIA Cyber Security Analyst + (CySA+) • CompTIA Advanced Security Practitioner (CASP+) • CompTIA PenTest 	LEVEL 3 \$1,700
LEVEL 4 (Maintain Level 2 and earn 3 of the items on the right)	<ul style="list-style-type: none"> • VMware Certified Associate • CompTIA Server+ • CompTIA Security+ • CompTIA Cloud+ • ACIS-6202 • ASTA-9140, ASTA-9190, ASTA-9170 • ACSS-7180, ACSS-7894, ACSS-3000, ACSS-7240 <p><i>The above product certifications represent current offerings. Some credentials may not be available to earn/renew as they are discontinued or retired by Avaya Learning but will continue to be recognized under the Tech Certification Program. New Avaya Product Certifications will continue to be added to the Program as training opportunities as they become available.</i></p>	LEVEL 4 \$2,400

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on the courses please
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