

2026 EDITION



CYBERSECURITY • COMPLIANCE • TRAINING

IT TRAINING COURSE CATALOG

LIVE TRAINING • EXPERT INSTRUCTORS •
REAL RESULTS

443+

COURSES

7

CATEGORIES

100%

INSTRUCTOR-LED

LIVE

TRAINING

W H Y C y N t e l l

Live Instruction

Every class is taught live by certified, working professionals — not bots, not recordings. Ask questions, get answers, build skills in real time.

Hands-On Labs

Real environments, real tools, real outcomes. From packet capture to penetration testing to cloud deployment, you do the work.

Certification-Ready

Courses align with industry certifications from CompTIA, EC-Council, (ISC)², Cisco, ISACA, Microsoft, Red Hat, AWS, ITIL, and more.

Custom & On-Site

Need a private cohort for your team? Need it delivered at your facility? CyNtell Live builds custom training programs around your mission.

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S E C T I O N 0 1

CYBERSECURITY

Detect, defend, respond — taught by people who do it for a living.

C A T E G O R I E S I N T H I S S E C T I O N

COMPTIA COURSES	13 courses
EC-COUNCIL COURSES	16 courses
INTRODUCTORY/INTERMEDIATE LEVEL CYBER COURSES	52 courses
ADVANCED HANDS ON CYBER SECURITY COURSES	13 courses
CERTNEXUS COURSES	3 courses
CHECK POINT COURSES	3 courses
OFFSEC COURSES	8 courses
ISO/IEC SECURITY COURSES	6 courses

TOTAL: **114 COURSES**

COMPTIA COURSES

CompTIA® Security+

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day instructor-led course is aimed at IT security professionals and will teach you the basics of network security. By the end of this course, you will be able to secure a network, identify and mitigate risks, and manage access control. This course covers.

WHAT YOU'LL LEARN

- ◆ System security management
- ◆ Network infrastructure establishment
- ◆ Access control configuration
- ◆ Cryptography
- ◆ Organizational defense measures

CERTIFICATION & OUTCOME

This course will fully prepare you for the CompTIA® Security+ Certification exam.

PREREQUISITES

You should have at least two years of network experience and a working knowledge of security concepts. It is also recommended that you have the CompTIA® Network+ Certification.

CompTIA SecurityX (Formerly CASP+)

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is aimed at IT security professionals responsible for designing and creating secure enterprise-wide solutions. It focuses on.

WHAT YOU'LL LEARN

- ◆ Research & Analysis
- ◆ Risk Management
- ◆ Enterprise Security
- ◆ Technical Integration of Communications, Computing & Business Disciplines

P R E R E Q U I S I T E S

*This course will fully prepare you for the CompTIA SecurityX (formerly CASP+) Certification exam. **There are no prerequisites for this course.***

CompTIA® Cybersecurity Analyst (CySA+)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course covers the following.

W H A T Y O U ' L L L E A R N

- ◆ Threat Management
- ◆ Vulnerability Management
- ◆ Security Architecture and Tool Sets
- ◆ Cyber Incident Response

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the CSA+ Certification exam.

P R E R E Q U I S I T E S

You should have 3-4 years of hands-on experience with cybersecurity work. The Network+ and Security+ certifications are also recommended.

CompTIA Network+

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course gives IT professionals the networking knowledge needed to manage and troubleshoot a wide range of devices and to pass the CompTIA Network+ exam. The class covers fixed and mobile networks, wireless technologies, and modern network security and operational best practices.

W H A T Y O U ' L L L E A R N

- ◆ Network architecture and topologies
- ◆ IPv4 / IPv6 addressing and subnetting
- ◆ Routing, switching, and wireless technologies
- ◆ Network security fundamentals
- ◆ Troubleshooting and tools

- ◆ Cloud and virtualization concepts

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the CompTIA Network+ Certification exam.

P R E R E Q U I S I T E S

CompTIA A+ certification or equivalent knowledge is recommended, along with at least nine months of networking experience.

CompTIA A+

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course is the industry standard launch point for IT support professionals. Students learn to install, configure, and troubleshoot the hardware, operating systems, and applications used in modern endpoint and small-network environments.

W H A T Y O U ' L L L E A R N

- ◆ PC hardware components and assembly
- ◆ Operating systems (Windows, macOS, Linux, mobile)
- ◆ Networking basics and connectivity troubleshooting
- ◆ Security fundamentals
- ◆ Cloud and virtualization concepts
- ◆ Operational procedures and customer support

C E R T I F I C A T I O N & O U T C O M E

Prepares students for both CompTIA A+ certification exams (Core 1 and Core 2).

CompTIA Linux+

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course covers the essential administrative tasks Linux professionals perform every day: managing systems, installing software, securing services, and automating routine work in modern enterprise Linux environments.

W H A T Y O U ' L L L E A R N

- ◆ System configuration and operations
- ◆ Security and identity management

- ◆ Scripting, containers, and automation
- ◆ Linux troubleshooting and diagnostics
- ◆ Storage and filesystem management
- ◆ Service and user administration

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the CompTIA Linux+ Certification exam.

CompTIA PenTest+

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course prepares cybersecurity professionals to plan, perform, and report on penetration tests across networks, cloud, web, and on-premises systems. Students work through scoping, reconnaissance, exploitation, and post-engagement reporting.

W H A T Y O U ' L L L E A R N

- ◆ Planning and scoping a pen test engagement
- ◆ Information gathering and vulnerability scanning
- ◆ Attacks and exploits across multiple environments
- ◆ Pen testing tools and code analysis
- ◆ Reporting and communication of findings

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the CompTIA PenTest+ Certification exam.

P R E R E Q U I S I T E S

Three to four years of hands-on experience in information security or related field; CompTIA Network+ and Security+ are recommended.

CompTIA Cloud+

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course teaches cloud engineers and administrators how to design, secure, and operate workloads in hybrid and multi-cloud environments. Students cover the full lifecycle from deployment through ongoing management and incident response.

WHAT YOU'LL LEARN

- ◆ Cloud architecture and design
- ◆ Cloud deployment and provisioning
- ◆ Cloud operations and maintenance
- ◆ Cloud security and compliance
- ◆ Troubleshooting cloud-based workloads

CERTIFICATION & OUTCOME

Prepares students for the CompTIA Cloud+ Certification exam.

CompTIA Server+

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course covers the skills needed to install, configure, manage, secure, and troubleshoot servers in physical, virtual, and hybrid environments.

WHAT YOU'LL LEARN

- ◆ Server installation and configuration
- ◆ Server administration and maintenance
- ◆ Security best practices and hardening
- ◆ Storage technologies and management
- ◆ Disaster recovery and troubleshooting

CERTIFICATION & OUTCOME

Prepares students for the CompTIA Server+ Certification exam.

CompTIA Data+

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course introduces data analysts to the full data analytics workflow — from data acquisition and cleansing to analysis, visualization, and governance — and prepares students for the CompTIA Data+ exam.

WHAT YOU'LL LEARN

- ◆ Data concepts and environments
 - ◆ Data mining and collection
-

- ◆ Data analysis and visualization
- ◆ Data governance, quality, and controls
- ◆ Reporting and dashboards

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the CompTIA Data+ Certification exam.

CompTIA Project+

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course delivers vendor-neutral project management essentials. Designed for IT professionals who manage small-to-medium projects, it covers the full project lifecycle from initiation through closure.

W H A T Y O U ' L L L E A R N

- ◆ Project basics and lifecycle
- ◆ Project constraints and communications
- ◆ Project tools and documentation
- ◆ Change, risk, and procurement management

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the CompTIA Project+ Certification exam.

CompTIA Cloud Essentials+

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course is a business-focused introduction to cloud technologies. It is aimed at professionals who need to understand cloud principles, costs, and risk without necessarily becoming hands-on cloud engineers.

W H A T Y O U ' L L L E A R N

- ◆ Cloud business principles
- ◆ Cloud design and selection
- ◆ Cloud governance, risk, and compliance
- ◆ Operations within a cloud environment

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the CompTIA Cloud Essentials+ Certification exam.

CompTIA CTT+

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course validates the core skills of technical trainers. Students develop the classroom and virtual delivery techniques needed to plan, prepare, and deliver effective technical instruction.

W H A T Y O U ' L L L E A R N

- ◆ Planning prior to the course
- ◆ Methods and media for instructional delivery
- ◆ Instructor credibility and communications
- ◆ Group facilitation and assessment
- ◆ Evaluation of the learning event

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the CompTIA CTT+ Certification exam.

C Y B E R S E C U R I T Y**EC-COUNCIL COURSES****EC-Council® Certified Secure Computer User (CSCU)**

◆ 14 - HOUR | LIVE • INSTRUCTOR-LED

This 14-hour live online training course is designed for computer users that leverage the internet extensively for work, play and study. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Security Foundations
- ◆ Securing and Protecting Systems
- ◆ Data encryption, backup & recovery
- ◆ Internet security
- ◆ Securing online transactions, email, social networking and mobile devices

- ◆ Social engineering & identity theft
- ◆ Information security & legal compliance

P R E R E Q U I S I T E S

This course will fully prepare you for the CSCU Certification exam. There are no prerequisites for this course. However, it is recommended that you have some entry-level experience using a computing device.

EC-Council® Network Security Administrator (ENSA)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is directed toward IT security professionals responsible for developing security policies to protect an organization's private information. You will learn how to.

W H A T Y O U ' L L L E A R N

- ◆ Analyze external & internal threats against a network
- ◆ Evaluate Internet & network security issues & design
- ◆ Implement firewall strategies & security policies
- ◆ Expose & defend network and system vulnerabilities

P R E R E Q U I S I T E S

This course will fully prepare you for the ENSA Certification exam. There are no prerequisites for this course. However, it is highly recommended that you have hands-on networking experience and the CompTIA® Network+ Certification.

EC-Council® Certified Ethical Hacker (CEH)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is geared toward IT security professionals concerned with their organization's network infrastructure. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Policy creation
- ◆ Intrusion detection
- ◆ Virus creation
- ◆ DDoS attacks
- ◆ Buffer overflows

- ◆ Social engineering

C E R T I F I C A T I O N & O U T C O M E

This course will fully prepare you for the CEH Certification exam.

P R E R E Q U I S I T E S

Before taking this course, you should have at least two years of IT security work experience and a strong knowledge of TCP/IP and how to implement them. Though not required, it is also recommended that you have the CompTIA® Security+ Certification.

EC-Council® Computer Hacking Forensic Investigator (CHFI)

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is geared toward IT security professionals in police and law enforcement, military and government, banking, network, and e-business. It will teach you how to.

W H A T Y O U ' L L L E A R N

- ◆ Detect different types of attacks
- ◆ Differentiate between various types of digital evidence
- ◆ Gather evidence to prosecute cyber criminals
- ◆ Secure a network & prevent an intrusion
- ◆ Recover lost & deleted files
- ◆ Track & investigate emails, logs, network traffic, wireless attacks & web attacks

C E R T I F I C A T I O N & O U T C O M E

This course will fully prepare you for the CHFI Certification exam.

P R E R E Q U I S I T E S

You should be familiar with Windows-based computer systems before taking this course.

EC-Council® Certified Security Analyst/Licensed Penetration Tester (ECSA/LPT)

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is geared toward advanced IT security professionals who wish to learn more about penetration testing. You will learn how to.

WHAT YOU'LL LEARN

- ◆ Test the measures networks have in place & gauge their effectiveness
- ◆ Identify & correct security flaws in high risk network infrastructures
- ◆ Protect computer networks against a malicious attack

CERTIFICATION & OUTCOME

This course will train you to become a Licensed Penetration Tester and prepare you for the ECSA Certification exam.

PREREQUISITES

Before taking this course, you must hold the EC-Council® CEH Certification.

EC-Council® Disaster Recovery Professional (EDRP)

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day, instructor-led course is aimed at IT professionals responsible for disaster recovery and planning. It will teach you how to

WHAT YOU'LL LEARN

- ◆ Assess & prevent risks to and organization
- ◆ Prepare a disaster recovery plan
- ◆ Develop necessary procedures policies
- ◆ Understand the relationships roles of various members within an organization that are recovering from a disaster

CERTIFICATION & OUTCOME

This course will fully prepare you for the EDRP Certification exam.

PREREQUISITES

Before taking this course, you should have at least two years of experience in the information security field and hold the CompTIA® Security+ Certification.

EC-Council® Certified Incident Handler (ECIH)

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

This 2-day, instructor-led course is geared toward IT security professionals interested in incident handling and response. It will teach you.

WHAT YOU'LL LEARN

- ◆ Law policies related to incident handling
- ◆ Various risk assessment methodologies
- ◆ How to manage & respond to computer security incidents within information systems
- ◆ How to handle present & future threats
- ◆ How to handle malicious code incidents, network security incidents & the risks of insider attacks

CERTIFICATION & OUTCOME

This course will prepare you for the ECIH Certification exam.

PREREQUISITES

Before taking this course, you should have at least two years of experience in the security field and hold the CompTIA® Security+ Certification.

EC-Council® Certified Secure Programmer (ECSP) – .NET & Java

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This instructor-led course combines EC-Council's two Secure Programmer tracks, .NET and Java, into one 5-day course. This training is ideal for programmers with experience in the .NET and Java languages. It will teach you.

WHAT YOU'LL LEARN

- ◆ .NET & Java security
- ◆ Secure software development
- ◆ Code access and class libraries security
- ◆ Cookie security
- ◆ .NET defense techniques
- ◆ Mitigating vulnerabilities
- ◆ File input/output and serialization
- ◆ Input validation
- ◆ Error handling and logging
- ◆ Authentication and authorization
- ◆ JAAS
- ◆ Java concurrency and session management
- ◆ Java cryptography
- ◆ Java application vulnerabilities

CERTIFICATION & OUTCOME

This course will prepare you for the ECSP Certification exam.

PREREQUISITES

Before taking this course, some experience using the .NET and Java languages is helpful.

EC-Council® Certified Chief Information Security Officer (CCISO)**◆ 5 - DAY | LIVE • INSTRUCTOR - LED**

This 5-day instructor-led course is designed for current and aspiring CISOs. It will teach you the 5 CCISO domains.

WHAT YOU'LL LEARN

- ◆ Governance (Policy, Legal, and Compliance)
- ◆ IS Management Controls and Audit Management
- ◆ Management of Projects, Technology, and Operations
- ◆ Information Security Core Concepts
- ◆ Strategic Planning and Finance

CERTIFICATION & OUTCOME

This course will prepare you for the CCISO Certification exam.

PREREQUISITES

Before taking this course, candidates must prove 5 years of experience in at least three of the five domains.

CND (Certified Network Defender)**◆ 5 - DAY | LIVE • INSTRUCTOR - LED**

This 5-day course prepares network administrators to design and operate secure networks, with hands-on labs on real defensive tools, monitoring, and incident response across the network stack.

WHAT YOU'LL LEARN

- ◆ Network security fundamentals
- ◆ Defense in depth and secure perimeters
- ◆ Endpoint and identity-based defenses
- ◆ Detection, monitoring, and SIEM
- ◆ Incident response and recovery

CERTIFICATION & OUTCOME

Prepares students for the EC-Council Certified Network Defender (CND) exam.

CPENT (Certified Penetration Testing Professional)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course is an advanced, hands-on penetration testing program covering enterprise networks, IoT, OT, cloud, web, and binary exploitation in a fully practical lab environment.

WHAT YOU'LL LEARN

- ◆ Advanced pen-test methodology
- ◆ Network and pivoting techniques
- ◆ Web, IoT, OT, and cloud pen testing
- ◆ Binary exploitation and privilege escalation
- ◆ Reporting and remediation guidance

CERTIFICATION & OUTCOME

Prepares students for the EC-Council Certified Penetration Testing Professional (CPENT) exam.

CTIA (Certified Threat Intelligence Analyst)

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course covers the threat intelligence lifecycle — collection, analysis, dissemination — and trains analysts to build actionable intelligence that drives security operations.

WHAT YOU'LL LEARN

- ◆ Threat intel concepts and lifecycle
- ◆ Collection sources and OSINT
- ◆ Analysis techniques and frameworks
- ◆ Dissemination and operationalization
- ◆ Building and maturing a TI program

CERTIFICATION & OUTCOME

Prepares students for the EC-Council Certified Threat Intelligence Analyst (CTIA) exam.

Artificial Intelligence Essentials (AI|E)

◆ 2 - DAY | LIVE • INSTRUCTOR - LED

This 2-day course from EC-Council gives security and IT professionals a working knowledge of AI fundamentals and how AI is being applied to both defense and offense in cybersecurity.

WHAT YOU'LL LEARN

- ◆ Core AI/ML concepts for security professionals
- ◆ AI in security operations
- ◆ Adversarial AI and defensive techniques
- ◆ AI governance and ethics
- ◆ Practical AI tool usage

CERTIFICATION & OUTCOME

Prepares students for the EC-Council AI Essentials (AI|E) certification.

Certified Artificial Intelligence Program Manager (C|AIPM)

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day course prepares program managers to lead enterprise AI initiatives — covering portfolio strategy, governance, vendor management, and the operational realities of delivering AI value.

WHAT YOU'LL LEARN

- ◆ Setting up an AI program
- ◆ Portfolio prioritization and roadmaps
- ◆ Governance, risk, and compliance
- ◆ Vendor and partner management
- ◆ Operationalizing and scaling AI delivery

CERTIFICATION & OUTCOME

Prepares students for the EC-Council Certified AI Program Manager (C|AIPM) exam.

Certified Offensive AI Security Professional (COASP)

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day course teaches offensive security professionals how to test, attack, and harden AI/ML systems — covering adversarial ML, prompt injection, model theft, and AI red teaming.

WHAT YOU'LL LEARN

- ◆ AI attack surface mapping
- ◆ Adversarial ML techniques
- ◆ LLM-specific attacks and defenses
- ◆ AI red-team methodology
- ◆ Reporting and remediation

CERTIFICATION & OUTCOME

Prepares students for the EC-Council Certified Offensive AI Security Professional (COASP) exam.

Certified Responsible AI Governance & Ethics (C|RAGE)

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

This 2-day course gives leaders, compliance professionals, and program owners the foundations of responsible AI — bias, fairness, transparency, accountability, and the regulatory landscape.

WHAT YOU'LL LEARN

- ◆ Responsible AI principles and frameworks
- ◆ Bias, fairness, and transparency
- ◆ AI governance program design
- ◆ Regulatory landscape (NIST AI RMF, EU AI Act)
- ◆ Operationalizing ethics in delivery

CERTIFICATION & OUTCOME

Prepares students for the EC-Council Certified Responsible AI Governance & Ethics (C|RAGE) exam.

C Y B E R S E C U R I T Y

INTRODUCTORY/INTERMEDIATE LEVEL CYBER COURSES

Introduction to Cyber Security for Practitioners

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

Our 3-day, instructor-led course will teach you the basics of networking, cybercrime, various security concepts, and how to address common security concerns within your organization. You will learn how to restrict site access, establish security for wireless networks, and identify secure websites. This course focuses on Internet safety regarding.

WHAT YOU'LL LEARN

- ◆ Business transactions
- ◆ Communicating via instant message
- ◆ Using portable, wireless devices

PREREQUISITES

There are no prerequisites for this course. Our Introduction to Cyber Security for Practitioners course is designed for anyone in the IT field seeking to gain foundational knowledge of cyber security.

Counterintelligence for Cyber Professional

◆ 2 - DAY | LIVE • INSTRUCTOR - LED

This 2-day course provides valuable insight for information security professionals and consultants, as well as government, military, and corporate IT strategists who must defend against myriad threats from nonstate actors. The course covers the operations and tactics of cyber criminals, who are changing the dynamics of cyber warfare and information security through their unconventional strategies and threats.

PREREQUISITES

Individuals taking this course should have some work experience in the IT field. CompTIA Security+ or EC-Council CEH certifications, or equivalent experience or knowledge, are recommended.

Cyber Tools and Analysis

◆ 2 - DAY | LIVE • INSTRUCTOR - LED

This 2-day course provides valuable insight for information security professionals and consultants, as well as government, military, and corporate IT strategists who must defend against myriad

threats from nonstate actors. The course covers the operations and tactics of cyber criminals, who are changing the dynamics of cyber warfare and information security through their unconventional strategies and threats.

PREREQUISITES

Individuals taking this course should have some work experience in the IT field. CompTIA Security+ or EC-Council CEH certifications, or equivalent experience or knowledge, are recommended

Network Forensics

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

Our 5-day, instructor-led course is directed toward IT security professionals in police and law enforcement, military and government, banking, network, and e-business. This course will teach you how to.

WHAT YOU'LL LEARN

- ◆ Carve suspicious email attachments from packet captures
- ◆ Use flow records to track intruders
- ◆ Analyze wireless encryption-cracking attacks
- ◆ Reconstruct a suspect's web surfing history (including cached pages) from a web proxy
- ◆ Uncover DNS-tunnels traffic
- ◆ Dissect the Operation Aurora exploit

CERTIFICATION & OUTCOME

There are no specific prerequisites for this course. However, it is highly recommended that you have either the CompTIA® Network+ or Security+ Certification before enrolling in this course.

Practical Malware Analysis

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

Our 3-day, instructor-led course is aimed at IT security professionals in a malware analyst or forensic investigator job role. You will learn how to.

WHAT YOU'LL LEARN

- ◆ Dissect malware to better understand how it works
- ◆ Identify & eliminate malware from a system

- ◆ Defend against future attacks
- ◆ Act quickly in the event of an attack

P R E R E Q U I S I T E S

Before taking this course, you should have at least two years of networking experience. It is also recommended that you have either the CompTIA® Network+, Security+ or EC-Council® CEH Certification before enrolling in this course.

Hands-On Hacking

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course allows students to practice using the tools and tricks that make an ethical hacker great! This course is 100% hacking. Our expert instructor will be present to guide your experience and answer your questions, but your time will be spent with your fingers on a keyboard!

P R E R E Q U I S I T E S

Individuals should have at least two years' experience in IT security and a strong understanding of TCP/IP.

Defending the Critical Infrastructure from Cyber Attacks

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course covers examines the unique protocols and applications that are the foundation of industrial control systems and provides clear guidelines for their protection. The course provides a thorough understanding of the unique challenges facing critical infrastructures, new guidelines and security measures for critical infrastructure protection, knowledge of new and evolving security tools, and pointers on SCADA protocols and security implementation.

P R E R E Q U I S I T E S

Individuals should have at least three years' experience in the IT field, specifically security. CompTIA Security+ or EC-Council CEH certifications, or the equivalent experience or knowledge, are also recommended.

Endpoint Security and Network Access Control

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day course defines the components of access control, provides a business framework for implementation, and discusses legal requirements that impact access control programs. It looks at the risks, threats, and vulnerabilities prevalent in information systems and IT infrastructures and how to handle them. It provides a student and professional resource that details how to put access control systems to work as well as testing and managing them.

PREREQUISITES

Individuals taking this course should have some work experience in the IT field. CompTIA Security+ or EC-Council CEH certifications, or equivalent experience or knowledge, are recommended.

Information Security Risk Assessment Through Data Collection & Analysis

◆ 4 - DAY | LIVE • INSTRUCTOR - LED

Our 4-day,** **instructor-led course is directed toward professionals with job roles related to information security. It will teach you how to.

WHAT YOU'LL LEARN

- ◆ Conduct effective risk assessment
- ◆ Decipher what needs protection & what risks those assets are exposed to
- ◆ Develop controls to offset risks

PREREQUISITES

You should have some experience in the IT security field prior to taking this course.

Securing VoIP Networks

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

Our 3-day, instructor-led course is aimed at IT professionals responsible for designing, deploying and securing VoIP networks. It will teach you how to.

WHAT YOU'LL LEARN

- ◆ Evaluate existing voice services & tools

- ◆ Determine capability & bandwidth requirements
- ◆ Integrate with the Public Switched Telephone Network (PSTN)
- ◆ Adapt legacy phones
- ◆ Create a Dial Plan
- ◆ Optimize Quality of Service (QoS) mechanisms
- ◆ Configure & manage Session Initiation Protocol (SIP)
- ◆ Integrate voicemail, email & instant messaging

PREREQUISITES

Before taking this course, you should have some professional experience in the field of IT and a basic understanding of VoIP and TCP/IP.

Security in an IPv6 Environment

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course is geared toward IT security professionals who work with IPv6 networks. It covers.

WHAT YOU'LL LEARN

- ◆ IPv6 features, security vulnerabilities, considerations & mechanisms
- ◆ Survey approaches for ensuring a reliable and controlled IPv6 mitigation
- ◆ Potential exploitation of IPv6 protocol

PREREQUISITES

Before taking this course, you should have working knowledge and experience with networking concepts and best practices.

Defending Against Social Engineering Attacks

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

Our 3-day, instructor-led course is directed toward IT professionals responsible for protecting their organization's sensitive data from social engineering and other attacks. It covers all aspects of social engineering, including.

WHAT YOU'LL LEARN

- ◆ Elicitation

- ◆ Pretexting
- ◆ Influence
- ◆ Manipulation

PREREQUISITES

Before taking this course, it is recommended that you have experience in the IT field. It may also be helpful to have the CompTIA® Security+ Certification.

Wireless Hacking

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course is designed for IT professionals in the field of cyber security such as forensic investigators and malware analysts. It covers.

WHAT YOU'LL LEARN

- ◆ The basics of wireless security
- ◆ Effective attack methods & remediation tactics
- ◆ 802.11 wireless networks deployed within a home or enterprise setting
- ◆ 802.11 wireless networks with a client focus
- ◆ Hacking additional wireless technologies

PREREQUISITES

Before taking this course, you should have at least two years of networking experience. It is also recommended that you have either the CompTIA® Network+, Security+ or EC-Council® CEH Certification.

Cyber Warfare for Practitioners

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

Our 3-day, instructor-led course is designed for IT professionals such as auditors, managers and security analysts. It will cover.

WHAT YOU'LL LEARN

- ◆ The battlefields, students, tools & techniques of cyber warfare
- ◆ The ethics, laws & consequences of cyber warfare
- ◆ How computer criminal law may change because of cyber warfare
- ◆ How to identify & defend a network against malicious attacks

- ◆ Hacktivism, espionage & insider threats

PREREQUISITES

Prior to taking this course, you should have some experience in the IT field. Though not required, it may be helpful to have the CompTIA® Security+ and/or the EC-Council® CEH certifications.

Cyber Warfare for Management

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

Our 3-day instructor-led course is designed for IT security professionals interested in the field of cyber operations/warfare. It will teach you.

WHAT YOU'LL LEARN

- ◆ The operational, strategic & tactical aspects of cyber conflicts
- ◆ How the world engages in cyber warfare
- ◆ How to develop a strategic cyber security strategy for your organization
- ◆ How to allocate resources to boost security

PREREQUISITES

Prior to taking this course, you should have at least three years of experience in the IT field. Though not required, it is also recommended that you have the CompTIA® Security+ and/or the EC-Council® CEH certifications.

Managing Risk in Information Systems

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course is designed for IT security professionals interested in the field of cyber security. It will teach you.

WHAT YOU'LL LEARN

- ◆ Risks, threats, and vulnerabilities associated with the transformation to a digital world
- ◆ Cloud computing, risk analysis, IP mobility, OMNIBus, and Agile Software Development
- ◆ Changes in laws, security certificates, standards, amendments, and the proposed Federal Information Security Amendments Act of 2013 and HITECH Act

PREREQUISITES

You should have some experience in the IT security field prior to taking this course.

Legal Issues in Cyber Security

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

Our 3-day, instructor-led course is designed for IT security professionals interested in the fields of cyber security, information security, and information assurance. It will teach you.

WHAT YOU'LL LEARN

- ◆ How to protect critical governmental and corporate infrastructure, intellectual property created by individuals and organizations alike, and information that individuals believe should be protected from unreasonable intrusion
- ◆ How to build numerous information security and privacy responses to protect business
- ◆ The steps to take to fully meet legal requirements and the expectations of employees

PREREQUISITES

You should have some experience in the IT security field prior to taking this course.

Security Policies and Implementation Issues

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

Our 3-day, instructor-led course is designed for security officers, auditors, and risk leaders. It will teach you.

WHAT YOU'LL LEARN

- ◆ Key concepts of information security such as governance, regular mandates, business drivers, and legal consideration
- ◆ The process of implementing successful sets of security policies and frameworks
- ◆ What technical knowledge and which software skills are required for policy implementation

PREREQUISITES

You should have some experience in the IT security field prior to taking this course.

Auditing IT Infrastructures for Compliance

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

Our 3-day, instructor-led course is designed for security officers and auditors. It will teach you.

WHAT YOU'LL LEARN

- ◆ How to audit IT infrastructures for compliance based on the most recent laws
- ◆ How to audit IT infrastructures based on the need to protect and secure business and consumer privacy data
- ◆ How to skillfully complete IT compliance auditing

PREREQUISITES

There are no prerequisites for this course. However, you are encouraged to have a general working knowledge of information systems prior to enrollment.

Access Control, Authentication, and Public Key Infrastructure

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

Our 3-day, instructor-led course is designed for cyber security professionals. It will teach you.

WHAT YOU'LL LEARN

- ◆ How to protect resources against unauthorized viewing, tampering or destruction
- ◆ How to ensure privacy, confidentiality, and prevention of unauthorized disclosure
- ◆ The components of access control, a business framework for implementation, and the legal requirements that impact access control
- ◆ The risks, threats, and vulnerabilities prevalent in information systems and IT infrastructures

PREREQUISITES

There are no prerequisites for this course. However, you should have some experience in the IT security field prior to taking this course.

Security Strategies in Windows Platforms and Applications

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course is designed IT professionals responsible for designing, deploying and securing Microsoft Windows platforms and applications. It will teach you.

WHAT YOU'LL LEARN

- ◆ Which new risks, threats, and vulnerabilities are associated with the Microsoft Windows OS

- ◆ How to use tools and techniques to decrease risks arising from vulnerabilities in Microsoft Windows OS and applications
- ◆ Resources for Microsoft Windows OS hardening, application security, and incident management

P R E R E Q U I S I T E S

Before taking this course, you should have some professional experience in the field of IT and a basic understanding of Microsoft Windows.

Security Strategies in Linux Platforms and Applications

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course is designed for IT professionals responsible for designing, deploying and securing Linux platforms and applications. It will teach you.

W H A T Y O U ' L L L E A R N

- ◆ Which new risks, threats, and vulnerabilities are associated with the Linux as an operating system
- ◆ How to take advantage of the layers of security available to Linux-users and group options, filesystems, and security options for important services
- ◆ About the use of open source and proprietary tools when building a layered security strategy for Linux operating system environments

P R E R E Q U I S I T E S

Before taking this course, you should have some professional experience in the field of IT and a basic understanding of Linux operating systems.

Network Security, Firewalls, and VPNs

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

Our 5-day, instructor-led course is designed for cyber security professionals. It will teach you.

W H A T Y O U ' L L L E A R N

- ◆ About the major business challenges and threats that are introduced when an organization's network is connected to the public Internet
- ◆ How hackers access online networks and the use of firewalls and VPNs to provide security countermeasures
- ◆ How to disarm threats and prepare for emerging technology and future attacks

PREREQUISITES

Before taking this course, you should have some professional experience in the field of cyber security.

Hacker Techniques, Tools, and Incident Handling

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course is designed for cyber security professionals. It will teach you.

WHAT YOU'LL LEARN

- ◆ The landscape, key terms, and concepts that a security professional needs to know about hackers and computer criminals who break into networks, steal information, and corrupt data
- ◆ How attacks target networks and the methodology that they follow
- ◆ What social engineering means in the context of cybersecurity

PREREQUISITES

Before taking this course, you should have some professional experience in the field of cybersecurity.

Internet Security: How to Defend Against Attackers on the Web

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course is designed for cyber security professionals. It will teach you.

WHAT YOU'LL LEARN

- ◆ How to secure mobile users as customer-facing information migrates from mainframe computers and application servers to Web-enabled applications
- ◆ Which risks, threats, and vulnerabilities are associated with web-enabled applications

PREREQUISITES

Before taking this course, you should have some professional experience in the field of cybersecurity.

System Forensics, Investigation, and Response

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

Our 5-day, instructor-led course is designed for cyber security professionals with an interest in the field of system forensics. It will teach you.

WHAT YOU'LL LEARN

- ◆ The fundamentals of system forensics
- ◆ The role of computer forensic specialists
- ◆ About computer crimes, forensic methods, and laboratories
- ◆ How to use the tools, techniques, and methods to perform computer forensics and investigations
- ◆ About the emerging technologies and future directions of computer forensics

PREREQUISITES

Before taking this course, you should have some professional experience in the field of cybersecurity.

Mobile Security

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course is designed for cyber security professionals. It will teach you.

WHAT YOU'LL LEARN

- ◆ Which risks, threats, and vulnerabilities are associated with wireless networks
- ◆ How to implement the security measures that will protect your mobile network from these threats
- ◆ To mitigate breaches in mobile security
- ◆ The policies and procedures to incorporate for mobile security

PREREQUISITES

Before taking this course, you should have some professional experience in the field of cybersecurity.

Multi-Protocol Label Switching (MPLS)

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day, instructor-led course is for network engineers and system administrators. Students will learn.

WHAT YOU'LL LEARN

- ◆ The features, functions and benefits of MPLS
- ◆ Basic MPLS operation
- ◆ The future of MPLS

PREREQUISITES

Candidates should have some experience in the field of networking.

Fundamentals of Communications and Networking

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course is designed for cyber security professionals. It will teach you.

WHAT YOU'LL LEARN

- ◆ About today's networks and the way they support the evolving requirements of different organizations
- ◆ To design a network that will meet an organization's performance needs

PREREQUISITES

Before taking this course, you should have some professional experience in the field of cybersecurity.

Network Security Administration for Practitioners

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

Our 5-day, instructor-led course is designed for cyber security professionals. It will cover.

WHAT YOU'LL LEARN

- ◆ Network protocols
- ◆ Analyzing protocols
- ◆ Hardening physical security
- ◆ Organizational security standards
- ◆ Security policies
- ◆ IEEE standards
- ◆ Network security threats
- ◆ IPS and IDS

PREREQUISITES

Before taking this course, you should have some experience and knowledge with networking and security practices.

Network Defense: Security and Vulnerability Assessment

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course is designed for cyber security professionals. It will cover.

WHAT YOU'LL LEARN

- ◆ Web Security
- ◆ Email Security
- ◆ Authentication, Encryption, and Digital Signatures
- ◆ Virtual Private Networks
- ◆ Fault Tolerance
- ◆ Incident Response
- ◆ Disaster Recovery Planning and Risk Analysis

PREREQUISITES

Before taking this course, you should have some experience and knowledge with networking and security practices.

Basic Network Analysis 101

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

Our 5-day, instructor-led course is designed for cyber security professionals. It will cover.

WHAT YOU'LL LEARN

- ◆ Building a Cyber Range
- ◆ Introduction to TCP/IP
- ◆ TCP/IP Protocol Suite
- ◆ IP Addressing
- ◆ IP Routing
- ◆ Host Name Resolution
- ◆ Domain Name System
- ◆ Introduction to Sessions
- ◆ IPsec and Packet Filtering
- ◆ Virtual Private Network (VPN)
- ◆ Introduction to Hacking
- ◆ Hacking Analysis Methodology
- ◆ Web Application Hacking

P R E R E Q U I S I T E S

Before taking this course, you should have some experience and knowledge with networking and security practices.

Basic Network Analysis 102

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

Our 5-day, instructor-led course is designed for cyber security professionals. It will cover.

W H A T Y O U ' L L L E A R N

- ◆ Conducting Protocol Analysis
- ◆ Wireshark Filtering
- ◆ Protocol Analysis
- ◆ Analyzing Basic Attacks
- ◆ Advanced Attack Analysis
- ◆ Incident Response
- ◆ Process Analysis
- ◆ Live Memory Analysis
- ◆ Malware
- ◆ Leveraging Analysis Results with Tools

P R E R E Q U I S I T E S

Before taking this course, you should have some experience and knowledge with networking and security practices.

Configuring CISCO Routers for Network Security

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course is designed for cyber security professionals using Cisco IOS routers. Students will learn how to.

W H A T Y O U ' L L L E A R N

- ◆ Develop security infrastructures
- ◆ Identify network threats and vulnerabilities
- ◆ Mitigate security risks

PREREQUISITES

Before taking this course, you should have some experience and knowledge with networking and security practices and experience with CISCO products.

Cloud Security

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course is designed for cyber security professionals. Students will learn.

WHAT YOU'LL LEARN

- ◆ Practical solutions to a wide-range of cloud computing issues
- ◆ Cloud security technology and implementation

PREREQUISITES

Before taking this course, you should have an understanding of basic cloud computing and security fundamentals.

Securing the Virtual Environment

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course is designed for cyber security professionals. Students will learn.

WHAT YOU'LL LEARN

- ◆ The difference in virtual vs. traditional computing models
- ◆ Various topics related to information security in virtual environments

PREREQUISITES

Before taking this course, you should have some knowledge of cloud computing, cloud security and networking.

Securing SharePoint

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course covers.

WHAT YOU'LL LEARN

- ◆ SharePoint administration
- ◆ SharePoint server deployment
- ◆ Protecting SharePoint
- ◆ Implementing and Testing SharePoint
- ◆ Configuring SharePoint

PREREQUISITES

Before taking this course, you should have some experience with SharePoint administration.

Incident Response

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course covers the following topics.

WHAT YOU'LL LEARN

- ◆ Detect evaluation
- ◆ Analysis
- ◆ Situation handling
- ◆ Theories involved in understanding hackers
- ◆ Intelligence gathering
- ◆ Coordinated attacks
- ◆ Preventive and aggressive security measures

PREREQUISITES

Before taking this course, you should have some knowledge of common system and network security threats, analysis techniques and data recovery.

Cyber Security: Threat Analysis and Response Solutions

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

Our 3-day, instructor-led course covers the following topics.

WHAT YOU'LL LEARN

- ◆ Threat identification
- ◆ Insider threat prevention

- ◆ Detection and mitigation
- ◆ Assessment of security assurance
- ◆ Information terrorism
- ◆ Information security management standards
- ◆ Public policy drivers
- ◆ The role of information security professionals

PREREQUISITES

Before taking this course, you should have some knowledge of threat identification, detection and mitigation, security assurance and network security protocol.

Practical Packet Analysis

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course covers the following topics.

WHAT YOU'LL LEARN

- ◆ Basic packet analysis fundamentals
- ◆ Introduction to Wireshark
- ◆ How using various aspects of Wireshark can help secure your network on the packet level

PREREQUISITES

Before taking this course, you should have some experience working with networks, packet analysis and Wireshark.

PowerShell in Depth

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

Our 5-day, instructor-led course covers the following topics.

WHAT YOU'LL LEARN

- ◆ Task automation
- ◆ HTML and XML data management
- ◆ Background jobs and scheduling
- ◆ PowerShell security
- ◆ Packaging and deploying scripts

- ◆ Scripting conventions
- ◆ .NET frameworks in PowerShell scripts

P R E R E Q U I S I T E S

Before taking this course, you should have some experience with PowerShell administration.

Understanding Web Security

◆ 4 - DAY | LIVE • INSTRUCTOR - LED

Our 4-day, instructor-led course covers the following topics.

W H A T Y O U ' L L L E A R N

- ◆ Security theory
- ◆ Technology
- ◆ Practice as they relate to established web technologies as well as recent advances

P R E R E Q U I S I T E S

Before taking this course, you should have some knowledge of: - Web application operation - Web server administration - Web browser/server operation - Session Management - Basic HTML - Server-side web application development

Penetration Testing: Procedures and Methodologies

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

Our 5-day, instructor-led course covers the following topics.

W H A T Y O U ' L L L E A R N

- ◆ Methodologies
- ◆ Legal aspects
- ◆ Planning and scheduling
- ◆ External and internal penetration testing
- ◆ Firewall and IDS penetration testing as well as penetration testing of laptops, PDA's, cellphones, e-mail, and security patches

P R E R E Q U I S I T E S

Before taking this course, you should have some knowledge of the skills imparted in the EC-Council Certified Ethical Hacker (CEH) and Certified Security Analyst (ECSA) training courses.

Cyber Threat Counter-Exploitation

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

Our 2-day, instructor-led course will teach students how to.

WHAT YOU'LL LEARN

- ◆ Set up digital traps
- ◆ Misdirect and divert attackers
- ◆ Configure honeypots
- ◆ Mitigate encrypted crimeware
- ◆ Identify malicious software groups

PREREQUISITES

Before taking this course, students should have prior experience responding to security intrusions and other incidents from an APT

Python Security for Practitioner

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course will teach students how to create their own security defense using the Python programming language.

PREREQUISITES

Before taking this course, students should have basic experience and understanding of any scripting or programming language.

Network Intrusion Detection

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course will teach students about.

WHAT YOU'LL LEARN

- ◆ Detection evaluation
 - ◆ Analysis
-

- ◆ Situation handling
- ◆ Theories in understanding hackers
- ◆ Intelligence gathering
- ◆ Coordinated attacks

PREREQUISITES

Before taking this course, students should have knowledge of TCP/IP and hexadecimal, as well as, various Linux commands and experience and comfort using them.

Securing Microsoft Windows 7

◆ 4 - DAY | LIVE • INSTRUCTOR - LED

Our 4-day, instructor-led course will include lecture and exercises in.

WHAT YOU'LL LEARN

- ◆ Installation and deployment
- ◆ Windows 7 environment management
- ◆ Desktop features
- ◆ Technical help for troubleshooting and networking

PREREQUISITES

Before taking this course, students should have minimal to significant experience in Systems Administration, specifically in Windows work environments and understand security best practices.

Linux for Developers

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

Our 5-day, instructor-led course will teach students how to.

WHAT YOU'LL LEARN

- ◆ Use the standard Linux C libraries
- ◆ Utilize most of the standard Linux development tools
- ◆ Store data under Linux using DBM and MySQL database systems
- ◆ Build graphical user interfaces for the X Windows system using GTX and QT libraries
- ◆ Develop their own real-world applications

P R E R E Q U I S I T E S

Before taking this course, students should have minimal to significant experience in Systems Administration, specifically in Windows work environments and understand security best practices.

Network Traffic Analysis**◆ 5 - DAY | LIVE • INSTRUCTOR - LED**

Our 5-day, instructor-led course will teach students how to.

W H A T Y O U ' L L L E A R N

- ◆ Demonstrate knowledge of the TCP/IP protocol suite at the lowest level
- ◆ Analyze network communications
- ◆ Identify different components of network communications
- ◆ Determine if the communications are normal or abnormal
- ◆ Examine the hacking methodology
- ◆ Create a network analysis cyber range

P R E R E Q U I S I T E S

Before taking this course, students should have minimal to significant experience in Systems Administration, specifically in Windows work environments and understand security best practices.

Network Defense Range**◆ 5 - DAY | LIVE • INSTRUCTOR - LED**

Our 5-day, instructor-led course will teach students how to.

W H A T Y O U ' L L L E A R N

- ◆ Identify the required components for a cyber range and build it
- ◆ Understand to the lowest level the components and characteristics of TCP/IP
- ◆ Apply session analysis techniques to network traffic
- ◆ Evaluate IPsec network traffic and understand packet filtering techniques
- ◆ List the steps of a hacking methodology
- ◆ Perform analysis of hacking techniques and tools
- ◆ Understand the components of advanced and sophisticated attacks
- ◆ Identify the steps of protocol analysis
- ◆ Deploy filters to expedite the analysis of network capture files

- ◆ Perform low-level analysis using low-level protocol analysis tools
- ◆ Create and customize their own network packets to perform different tasks
- ◆ Install, Configure and Tune an Intrusion Detection System
- ◆ Deploy analysis tools to assist with network analysis
- ◆ Evaluate potential incidents and draft reports of an incident
- ◆ List the steps of basic and advanced process analysis
- ◆ Understand live memory and the basics of malware analysis
- ◆ Explore the concept of leveraging results with different tools

PREREQUISITES

Before taking this course, students should have minimal to significant experience in Systems Administration, specifically in Windows work environments and understand security best practices. Root Cause Analysis Our 1-day, instructor-led course will teach students how to: – Discuss the scientific method – Determine how to identify tools that can be used to correct actions – Understand how to implement RCA tools into real world situations – Study statistical information and data analysis – Learn how to address customer compliance issues Before taking this course, students should have minimal to significant experience in Systems Administration, specifically in Windows work environments and understand security best practices.

Information Systems Continuous Monitoring (ISCM)

◆ 1 - DAY | LIVE • INSTRUCTOR - LED

Our 1-day, instructor-led course will teach students how to.

WHAT YOU'LL LEARN

- ◆ Identify how risk management helps protect government assets
- ◆ Examine Information Security Continuous Monitoring (ISCM) support of the three-tiered approach to risk management
- ◆ Describe how configuration management controls enable continuous monitoring
- ◆ Examine audit log support to continuous monitoring
- ◆ Understand counterintelligence and cybersecurity personnel support to continuous monitoring

PREREQUISITES

Before taking this course, students should have minimal to significant experience in Systems Administration, specifically in Windows work environments and understand security best practices.

Windows System Analysis

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

Our 5-day, instructor-led course will teach students how to.

WHAT YOU'LL LEARN

- ◆ Understand and follow the analysis process
- ◆ Find malware in Windows systems
- ◆ Examine user activity on Windows systems
- ◆ Conduct intrusion analysis on a web server
- ◆ Set up a test environment to explore concepts and test theories

PREREQUISITES

Before taking this course, students should have minimal to significant experience in Systems Administration, specifically in Windows work environments and understand security best practices. Malware Analysis Our 4-day, instructor-led course will teach students how to: - Extract the metadata associated with malware - Create a safe and isolated lab environment for malware analysis - Determine malware's interaction with the system - Perform code analysis using IDA Pro and x64dbg - Reverse-engineer various malware functionalities - Reverse engineer and decode common encoding/encryption algorithms - Perform different code injection and hooking techniques - Investigate and hunt malware using memory forensics Before taking this course, students should have minimal to significant experience in Systems Administration, specifically in Windows work environments and understand security best practices.

C Y B E R S E C U R I T Y

ADVANCED HANDS ON CYBER SECURITY COURSES

RedSeal

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

Our 3-day, instructor-led course will include lecture and exercises to teach students the following.

WHAT YOU'LL LEARN

- ◆ An overview of RedSeal and the platform architecture
- ◆ The fundamentals of being a RedSeal administrator
- ◆ RedSeal vulnerability management capabilities
- ◆ How to monitor overall network security and measure digital resilience with RedSeal

PREREQUISITES

Before taking this course, students should have minimal to significant experience with cybersecurity.

My SQL Workbench

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

Our 3-day, instructor-led course will include lecture and exercises to teach students the following.

WHAT YOU'LL LEARN

- ◆ An overview of My SQL Workbench including installation and configuration
- ◆ Functionality of My SQL Workbench
- ◆ Database development, design, and modeling

PREREQUISITES

Before taking this course, students should have minimal to significant experience with database administration.

Nipper Studio

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

Our 3-day, instructor-led course will include lecture and exercises to teach students the following.

WHAT YOU'LL LEARN

- ◆ An overview of Nipper Studio
- ◆ How to install and navigate Nipper Studio
- ◆ Obtaining and adding files to Nipper Studio
- ◆ Report options, customizing reports, saving reports, and report comparison

PREREQUISITES

Before taking this course, students should have minimal to significant experience with network administration.

Burp Suite

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

Our 3-day, instructor-led course will include lecture and exercises to teach students the following.

WHAT YOU'LL LEARN

- ◆ How to perform security tests on web applications using Burp
- ◆ How to use different components of Burp Suite including Proxy, Intruder, Scanner, and Repeater
- ◆ To customize Burp Extensions when using Java, Python, and Ruby

PREREQUISITES

Before taking this course, students should have minimal to significant experience with web applications.

Security Onion 12.04

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

Our 3-day, instructor-led course will include lecture and exercises to teach students the following.

WHAT YOU'LL LEARN

- ◆ How analysis tools that comprise Security Onion are used for network security monitoring and intrusion detection
- ◆ How security onion tools work with network data

PREREQUISITES

Before taking this course, students should have minimal to significant experience with network administration.

Splunk

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

Our 3-day, instructor-led course will include lecture and exercises to teach students the following.

WHAT YOU'LL LEARN

- ◆ Splunk installation
- ◆ To create reports, dashboards, and alerts
- ◆ To model data for business users using Splunk's Pivot functionality

PREREQUISITES

Before taking this course, students should have minimal to significant experience with system administration and data analysis.

Elk Stack

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

Our 3-day, instructor-led course will include lecture and exercises to teach students the following.

WHAT YOU'LL LEARN

- ◆ How to perform real-time data analytics on streaming data, and turn them into actionable insights
- ◆ How to create indexing and delete data
- ◆ All about the components of ELK Stack (Elasticsearch, Logstash, and Kibana)
- ◆ Shipping, filtering and parsing events with Logstash
- ◆ How to build visualizations and dashboards using Data Discovery, Visualization, and Dashboard with Kibana

PREREQUISITES

Before taking this course, students should have minimal to significant experience with system administration and data analysis.

Ansible

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

Our 3-day, instructor-led course will include lecture and exercises to teach students the following.

WHAT YOU'LL LEARN

- ◆ To gain an in-depth understanding of how Ansible works
- ◆ To automate the Ansible playbook with encrypted data
- ◆ Access and manipulate variable data within playbooks
- ◆ To explore the Playbook debugger and Ansible Console
- ◆ To work with cloud infrastructure providers and container systems

PREREQUISITES

Before taking this course, students should have minimal to significant experience with network administration.

Docker

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

Our 3-day, instructor-led course will include lecture and exercises to teach students the following.

WHAT YOU'LL LEARN

- ◆ To develop containerized applications using Docker
- ◆ To build Docker images from containers and launch them
- ◆ To develop Docker images and containers using Dockerfiles
- ◆ To use Docker volumes to share data
- ◆ Frequently used commands in Docker

PREREQUISITES

Before taking this course, students should have minimal to significant experience with software development.

Kali

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

Our 3-day, instructor-led course will include lecture and exercises to teach students the following.

WHAT YOU'LL LEARN

- ◆ To expose wireless security threats through the eyes of an attacker
- ◆ To use recipes to help proactively identify vulnerabilities and apply intelligent remediation
- ◆ To acquire and apply wireless pentesting skills

PREREQUISITES

Before taking this course, students should have minimal to significant experience with cybersecurity.

IDA Pro

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

Our 3-day, instructor-led course will include lecture and exercises to teach students the following.

WHAT YOU'LL LEARN

- ◆ To navigate, comment, and modify disassembly

- ◆ To identify known library routines
- ◆ To use code graphing to quickly make sense of cross references and function calls
- ◆ To extend IDA to support new processors and filetypes using the SDK
- ◆ To use IDA's built-in debugger to tackle hostile and obfuscated code

P R E R E Q U I S I T E S

Before taking this course, students should have minimal to significant experience with software development

IDA Pro

◆ 10 - DAY | LIVE • INSTRUCTOR-LED

Our 10-day, instructor-led course will include lecture and exercises to teach students the following.

W H A T Y O U ' L L L E A R N

- ◆ To navigate, comment, and modify disassembly
- ◆ To identify known library routines
- ◆ To use code graphing to quickly make sense of cross references and function calls
- ◆ To extend IDA to support new processors and filetypes using the SDK
- ◆ To use IDA's built-in debugger to tackle hostile and obfuscated code

P R E R E Q U I S I T E S

Before taking this course, students should have minimal to significant experience with software development

Jira Fundamentals

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

Our 1-day, instructor-led course will include lecture and exercises to teach students the following.

W H A T Y O U ' L L L E A R N

- ◆ Understand Jira's data hierarchy and how to design and work with projects in Jira
- ◆ Use Jira for agile software projects, business process management, customer service support, and more
- ◆ Understand issues and work with them
- ◆ Design both system and custom fields to behave differently under different contexts

- ◆ Create and design your own screens and apply them to different project and issue types
- ◆ Gain an understanding of the workflow and its various components
- ◆ Set up both incoming and outgoing mail servers to work with e-mails

PREREQUISITES

Before taking this course, students should have minimal to significant experience with software development

C Y B E R S E C U R I T Y

CERTNEXUS COURSES

CFR (CyberSec First Responder)

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course prepares first responders to detect, identify, contain, and recover from cybersecurity incidents in modern enterprise environments. It maps to the CertNexus CyberSec First Responder (CFR) certification.

WHAT YOU'LL LEARN

- ◆ Threats and attack patterns
- ◆ Analyzing the network and endpoint for IoCs
- ◆ Incident response process and roles
- ◆ Containment, eradication, and recovery
- ◆ Post-incident analysis and reporting

CERTIFICATION & OUTCOME

Prepares students for the CertNexus CyberSec First Responder (CFR) exam.

Certified Artificial Intelligence Practitioner (CAIP)

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course from CertNexus prepares data and analytics professionals to design, implement, and operationalize machine learning solutions to real business problems.

WHAT YOU'LL LEARN

- ◆ Framing problems for AI/ML solutions
- ◆ Data preparation and feature engineering
- ◆ Training, tuning, and evaluating models
- ◆ Operationalizing AI solutions
- ◆ Communicating results and managing risk

CERTIFICATION & OUTCOME

Prepares students for the Certified Artificial Intelligence Practitioner (CAIP) exam from CertNexus.

GenAIBIZ

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day course from CertNexus is a business-focused introduction to generative AI. It covers what generative AI is, what it does well, where it falls short, and how to apply it to common business problems.

WHAT YOU'LL LEARN

- ◆ Generative AI fundamentals
- ◆ High-value business use cases
- ◆ Working effectively with generative tools
- ◆ Risk, ethics, and policy
- ◆ Operationalizing generative AI in teams

CERTIFICATION & OUTCOME

Prepares students for the GenAIBIZ exam from CertNexus.

C Y B E R S E C U R I T Y**CHECK POINT COURSES****CCSA R82: Check Point Certified Security Administrator**

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course covers the day-to-day administration of Check Point security gateways and management servers running R82, including policy configuration, VPNs, identity awareness, and logging.

WHAT YOU'LL LEARN

- ◆ Check Point architecture
- ◆ Security policy management
- ◆ Network address translation (NAT)
- ◆ Site-to-site VPN configuration
- ◆ Identity Awareness and logging/monitoring

CERTIFICATION & OUTCOME

Prepares students for the Check Point Certified Security Administrator (CCSA) R82 exam.

CCSE R82: Check Point Certified Security Expert

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course extends CCSA-level skills with advanced configuration, troubleshooting, and high-availability topics for Check Point R82 environments.

WHAT YOU'LL LEARN

- ◆ Advanced policy and access management
- ◆ Clustering and high availability
- ◆ Advanced VPN deployments
- ◆ Performance tuning and troubleshooting
- ◆ Threat prevention deep dive

CERTIFICATION & OUTCOME

Prepares students for the Check Point Certified Security Expert (CCSE) R82 exam.

PREREQUISITES

Check Point CCSA R82 certification or equivalent experience.

CCSA + CCSE R82 Boot Camp

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day intensive boot camp combines CCSA and CCSE R82 content into a single accelerated track for experienced security engineers.

WHAT YOU'LL LEARN

- ◆ Full CCSA R82 content
- ◆ Full CCSE R82 content
- ◆ Hands-on lab time in a Check Point environment
- ◆ Exam preparation strategies

CERTIFICATION & OUTCOME

Prepares students for both the CCSA R82 and CCSE R82 exams.

PREREQUISITES

Practical Check Point experience strongly recommended.

C Y B E R S E C U R I T Y

OFFSEC COURSES

PEN-200: Penetration Testing with Kali Linux

◆ 5-DAY | LIVE • INSTRUCTOR-LED

This 5-day course is the classroom companion to OffSec PEN-200 — the foundation course for the OSCP. Students develop the hands-on offensive security skills needed to plan and execute real-world penetration tests using Kali Linux.

WHAT YOU'LL LEARN

- ◆ Information gathering and enumeration
- ◆ Web application attacks
- ◆ Buffer overflows and exploit development basics
- ◆ Privilege escalation on Linux and Windows
- ◆ Active Directory attack chains

CERTIFICATION & OUTCOME

Prepares students for the OffSec Certified Professional (OSCP) exam.

PREREQUISITES

Solid foundation in TCP/IP networking, Linux, and scripting is strongly recommended.

PEN-300: Advanced Evasion Techniques and Breaching Defenses (OSEP)

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day advanced course covers evasion and post-exploitation techniques against hardened environments, aligned with OffSec's OSEP certification.

WHAT YOU'LL LEARN

- ◆ Bypassing AV, EDR, and application controls
- ◆ Advanced Active Directory exploitation
- ◆ Lateral movement and persistence
- ◆ Custom tooling and tradecraft
- ◆ Operating against mature defenses

CERTIFICATION & OUTCOME

Prepares students for the OffSec Experienced Penetration Tester (OSEP) exam.

PREREQUISITES

OSCP-level skills are strongly recommended.

EXP-301: Windows User Mode Exploit Development (OSED)

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course covers Windows user-mode exploit development from the ground up — buffer overflows, ROP, custom shellcode, and bypassing modern mitigations.

WHAT YOU'LL LEARN

- ◆ Reverse engineering Windows binaries
- ◆ Stack and SEH-based buffer overflows
- ◆ Return-oriented programming (ROP)
- ◆ Bypassing DEP and ASLR
- ◆ Custom shellcode development

CERTIFICATION & OUTCOME

Prepares students for the OffSec Exploit Developer (OSED) exam.

PREREQUISITES

Strong programming background and prior pen-testing exposure.

SOC-200: Foundational Security Operations and Defensive Analysis (OSDA)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course covers the core skills of SOC analysts — log analysis, threat hunting, and detection engineering — aligned with OffSec's OSDA certification.

WHAT YOU'LL LEARN

- ◆ SIEM, EDR, and log analysis fundamentals
- ◆ Common attacker tradecraft and detections
- ◆ Threat hunting workflows
- ◆ Triage, investigation, and escalation
- ◆ Detection engineering basics

CERTIFICATION & OUTCOME

Prepares students for the OffSec Defense Analyst (OSDA) exam.

EXP-312: Advanced macOS Control Bypasses (OSMR)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course teaches advanced macOS security techniques, focusing on the bypass of native macOS security controls. Students perform reverse engineering and exploit development against modern macOS targets.

WHAT YOU'LL LEARN

- ◆ macOS internals and security architecture
- ◆ Bypassing TCC, Gatekeeper, and System Integrity Protection
- ◆ macOS user-mode and kernel exploitation primitives
- ◆ Reverse engineering macOS binaries
- ◆ Persistence and privilege escalation on macOS

CERTIFICATION & OUTCOME

Prepares students for the OffSec macOS Researcher (OSMR) exam.

PREREQUISITES

Strong reverse-engineering background and prior offensive security experience.

EXP-401: Advanced Windows Exploitation (OSEE)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course is OffSec's flagship advanced exploit development program. Students develop highly targeted exploits against modern Windows targets and bypass the latest mitigations.

WHAT YOU'LL LEARN

- ◆ Modern Windows mitigation bypasses
- ◆ Browser and 32/64-bit application exploitation
- ◆ Kernel exploitation primitives
- ◆ Custom shellcode and ROP chains
- ◆ Multi-stage exploit development

CERTIFICATION & OUTCOME

Prepares students for the OffSec Exploitation Expert (OSEE) exam.

PREREQUISITES

OSED-level skills or equivalent professional exploit-development experience.

WEB-200: Foundational Web Application Assessments with Kali Linux (OSWA)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course covers the foundational skills required to perform modern web application assessments — covering enumeration, common vulnerabilities, and exploitation in real-world labs.

WHAT YOU'LL LEARN

- ◆ Web reconnaissance and enumeration
- ◆ Common web vulnerabilities (OWASP-aligned)
- ◆ Authentication and session attacks
- ◆ Injection and deserialization attacks
- ◆ Reporting and remediation guidance

CERTIFICATION & OUTCOME

Prepares students for the OffSec Web Assessor (OSWA) exam.

WEB-300: Advanced Web Attacks and Exploitation (OSWE)

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day advanced course teaches white-box web application exploitation — students audit source code, chain vulnerabilities, and craft custom exploits against modern web stacks.

WHAT YOU'LL LEARN

- ◆ Source-code review for web exploitation
- ◆ Authentication, deserialization, and template-injection chains
- ◆ Advanced server-side vulnerabilities
- ◆ Crafting custom exploits
- ◆ Reporting at the OSWE standard

CERTIFICATION & OUTCOME

Prepares students for the OffSec Web Expert (OSWE) exam.

PREREQUISITES

Strong web application security background; OSPA-level skills recommended.

C Y B E R S E C U R I T Y

ISO/IEC SECURITY COURSES

ISO/IEC 27001 Lead Implementer

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course prepares professionals to plan, implement, manage, and maintain an Information Security Management System (ISMS) based on ISO/IEC 27001. Includes hands-on workshops and certification-exam preparation.

WHAT YOU'LL LEARN

- ◆ ISO/IEC 27001 framework and Annex A controls
- ◆ Initiating and planning an ISMS implementation
- ◆ Risk assessment and treatment
- ◆ Implementing controls and operational procedures
- ◆ Monitoring, measurement, and continual improvement

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the PECB ISO/IEC 27001 Lead Implementer certification.

ISO/IEC 27001 Lead Auditor

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course prepares professionals to plan, perform, and report on audits of Information Security Management Systems against ISO/IEC 27001. The curriculum follows ISO 19011 audit principles.

W H A T Y O U ' L L L E A R N

- ◆ Audit principles and methodology (ISO 19011)
- ◆ Planning and preparing an ISMS audit
- ◆ Conducting the audit and gathering evidence
- ◆ Reporting, follow-up, and certification audits
- ◆ Managing an audit program

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the PECB ISO/IEC 27001 Lead Auditor certification.

ISO/IEC 42001 AI Management System Lead Implementer

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course prepares professionals to implement and manage an AI Management System aligned with ISO/IEC 42001 – the first international standard for AI governance.

W H A T Y O U ' L L L E A R N

- ◆ ISO/IEC 42001 framework overview
- ◆ AI governance, risk, and control objectives
- ◆ Implementing an AI Management System
- ◆ Ongoing operation and improvement
- ◆ Audit preparation and certification

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the PECB ISO/IEC 42001 Lead Implementer certification.

ISO/IEC 27001:2022 Foundation

◆ 2 - DAY | LIVE • INSTRUCTOR - LED

This 2-day course is a foundational introduction to ISO/IEC 27001:2022 – the international standard for Information Security Management Systems. It is designed for anyone new to the standard who needs a solid grounding in its concepts, structure, and requirements.

WHAT YOU'LL LEARN

- ◆ ISO/IEC 27001:2022 framework and clauses
- ◆ Annex A controls overview
- ◆ Risk management fundamentals
- ◆ Roles within an ISMS
- ◆ How certification audits work

CERTIFICATION & OUTCOME

Prepares students for the PECB ISO/IEC 27001:2022 Foundation certification.

ISO/IEC 42001 Foundation

◆ 2 - DAY | LIVE • INSTRUCTOR - LED

This 2-day course introduces ISO/IEC 42001 – the international standard for AI Management Systems. It is built for professionals beginning to think about AI governance in a structured, certifiable way.

WHAT YOU'LL LEARN

- ◆ ISO/IEC 42001 scope and structure
- ◆ AI risk management and governance
- ◆ Control objectives for AI
- ◆ Roles and responsibilities in an AIMS
- ◆ Audit and certification overview

CERTIFICATION & OUTCOME

Prepares students for the PECB ISO/IEC 42001 Foundation certification.

ISO/IEC 42001 Lead Auditor

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course prepares professionals to plan, conduct, and report on audits of AI Management Systems against ISO/IEC 42001. The curriculum follows ISO 19011 audit principles applied to AI systems.

WHAT YOU'LL LEARN

- ◆ Audit principles for AI Management Systems
- ◆ Planning and preparing an AIMS audit
- ◆ Conducting the audit and gathering evidence
- ◆ AI-specific risk and control assessment
- ◆ Reporting and certification audits

CERTIFICATION & OUTCOME

Prepares students for the PECB ISO/IEC 42001 Lead Auditor certification.

SECTION 02

INFORMATION TECHNOLOGY

Core IT skills and certifications across every major vendor stack.

CATEGORIES IN THIS SECTION

COMPTIA COURSES

6 courses

(ISC)² COURSES	11 courses
CISCO COURSES	32 courses
ISACA COURSES	4 courses
CLOUDERA COURSES	4 courses
CWNP COURSES	2 courses
IPV6 COURSES	2 courses
ITIL® COURSES	15 courses
MICROSOFT COURSES	77 courses
RED HAT COURSES	21 courses
VMWARE COURSES	2 courses
NETAPP COURSES	4 courses
FITS! COURSES	4 courses
CITRIX COURSES	7 courses
NUTANIX COURSES	2 courses
VEEAM COURSES	1 course
CHEF COURSES	1 course

TOTAL: **195 COURSES**

COMPTIA COURSES

CompTIA® A+

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course ideal for someone in the early stages of their IT career. It covers.

WHAT YOU'LL LEARN

- ◆ Basic computer hardware
- ◆ PC installation & configuration
- ◆ Networking & connectivity
- ◆ Laptop, mobile device & printer maintenance
- ◆ Operating systems
- ◆ Security

PREREQUISITES

This course will prepare you for both parts of the A+ Certification exam. There are no prerequisites for this course. However, it is recommended that you have basic knowledge of computing concepts and experience using computers that run on a Windows operating system before enrolling in this course.

CompTIA® Network+

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is geared toward IT networking professionals. It will teach you about.

WHAT YOU'LL LEARN

- ◆ Network installation & configuration
- ◆ Media & topologies
- ◆ Network management
- ◆ Troubleshooting
- ◆ Network security

CERTIFICATION & OUTCOME

This course will prepare you for the Network+ Certification exam.

P R E R E Q U I S I T E S

You should have at least 9-12 months of networking experience prior to taking this course. Though not required, it is also recommended that you have the CompTIA® A+ Certification.

CompTIA® Server+**◆ 5 - DAY | LIVE • INSTRUCTOR-LED**

This 5-day, instructor-led course is aimed at IT networking professionals. It covers server technologies related to.

W H A T Y O U ' L L L E A R N

- ◆ System hardware
- ◆ Software
- ◆ Disaster recovery
- ◆ Maintenance
- ◆ Troubleshooting

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Server+ Certification exam.

P R E R E Q U I S I T E S

you should have at least 18-24 months of experience with server technology before taking this course. We also recommend getting the CompTIA® A+ or Network+ certifications.

CompTIA® Linux+**◆ 5 - DAY | LIVE • INSTRUCTOR-LED**

This 5-day, instructor-led course is geared toward IT systems professionals who work with the Linux operating system. It covers.

W H A T Y O U ' L L L E A R N

- ◆ System architecture
 - ◆ Linux installation & package management
 - ◆ GNU & Unix commands
 - ◆ Linux filesystems & filesystem hierarchy standards
 - ◆ Shells
 - ◆ Scripting & data management
-

- ◆ User interfaces & desktops
- ◆ Administrative tasks & essential system services
- ◆ Networking fundamentals & security

C E R T I F I C A T I O N & O U T C O M E

This course prepares you for both parts of the Linux+ Certification exam.

P R E R E Q U I S I T E S

You should have at least 6-12 months of experience working with a Linux OS before taking this course.
Though not required, it is also recommended that you have the CompTIA® A+ and Network+ Certifications.

CompTIA® Cloud Essentials

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day, instructor-led course is geared toward business analysts and other IT staff and teaches you how to implement and govern a cloud environment. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Characteristics of cloud services from a business perspective the value of cloud computing
- ◆ Cloud types
- ◆ Successful adoption of cloud computing
- ◆ Impacts & changes cloud computing has on IT service management
- ◆ Consequences & risks of cloud computing

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Cloud Essentials Certification exam.

P R E R E Q U I S I T E S

You should have about six months of experience working in the field of IT before this course.

CompTIA® Cloud+

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is ideal for IT professionals such as Cloud Specialists, Cloud Developers, Data Center Administrators and Network Architects. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Cloud virtualization

- ◆ Cloud infrastructure
- ◆ Security
- ◆ Systems management
- ◆ Cloud business continuity
- ◆ Models & concepts
- ◆ Cloud resource management

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Cloud+ Certification exam.

P R E R E Q U I S I T E S

You should be familiar with Hyper-V technology and have 2-3 years of experience working in networking and data center and storage administration.

I N F O R M A T I O N T E C H N O L O G Y

(ISC)² COURSES

(ISC)²® Certified Information Systems Security Professional (CISSP®)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is targeted toward managers, engineers, auditors and security professionals seeking to better their skills and learn about the latest technologies. It covers ten domains.

W H A T Y O U ' L L L E A R N

- ◆ Access control
- ◆ Telecommunications & network security
- ◆ Information security governance & risk management
- ◆ Software development security
- ◆ Cryptography
- ◆ Security architecture & design
- ◆ Operations security
- ◆ Business continuity & disaster recovery planning
- ◆ Legal, regulations, investigations & compliance
- ◆ Physical (environmental) security

C E R T I F I C A T I O N & O U T C O M E

This course will fully prepare you for the CISSP® Certification exam.

P R E R E Q U I S I T E S

You must have at least five combined years of professional experience in two or more of the previously listed domains. Additionally, you should be familiar with TCP/IP and the UNIX, Linux and Windows operating systems. Though not required, it is also recommended that you have the CompTIA® Security+ Certification.

(ISC)2® CISSP® – Information Security Systems Management Professional (CISSP®–ISSMP®)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is geared toward information security professionals in a managerial position. It concentrates on project and risk management, managing a Business Continuity Planning program and implementing a security awareness program. It covers five domains.

W H A T Y O U ' L L L E A R N

- ◆ Security leadership & management
- ◆ Security lifecycle management
- ◆ Security compliance management
- ◆ Contingency management
- ◆ Law, ethics & incident management

C E R T I F I C A T I O N & O U T C O M E

This course will fully prepare you for the CISSP®–ISSMP® Certification exam.

P R E R E Q U I S I T E S

You must have the CISSP® Certification and at least two years of professional experience managing a large, enterprise-wide security model. Though not necessary, it is also recommended that you have the CompTIA® Security+ Certification.

(ISC)2® CISSP® – Information Systems Security Architecture Professional (CISSP®–ISSAP®)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is directed toward information security professionals such as Chief Security Architects and Analysts who are responsible for designing and developing an overall security strategy. It covers six domains.

WHAT YOU'LL LEARN

- ◆ Access control methodology & systems
- ◆ Network security & communications
- ◆ Cryptography
- ◆ Analysis of security architecture
- ◆ Technology related BCP & DRP
- ◆ Considerations of physical security

CERTIFICATION & OUTCOME

This course will prepare you for the CISSP®-ISSAP® Certification exam.

PREREQUISITES

You should have at least two years of professional experience in architecture and have the (ISC)2® CISSP® Certification.

(ISC)2® CISSP® – Information Systems Security Engineering Professional (CISSP®-ISSEP®)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is directed toward systems security engineering professionals in association with the U.S. National Security Agency (NSA). It covers four domains.

WHAT YOU'LL LEARN

- ◆ Systems Security Engineering (SSE)
- ◆ Certification & Accreditation (C&A)/Risk Management Framework (RMF)
- ◆ Technical management
- ◆ U.S. government information assurance related policies & issuances

CERTIFICATION & OUTCOME

This course will prepare you for the CISSP®-ISSEP® Certification exam.

PREREQUISITES

You should have at least two years of work experience in the field of engineering and have the (ISC)2® CISSP® Certification.

(ISC)2® Certified Authorization Professional (CAP®)

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day, instructor-led course is aimed at information systems professionals responsible for making vital security decisions based on risk assessment. It covers seven domains.

WHAT YOU'LL LEARN

- ◆ Risk Management Framework (RMF)
- ◆ Categorization of information systems
- ◆ Selection of security controls
- ◆ Implementation of security controls
- ◆ Assessment of security controls
- ◆ Information systems authorization
- ◆ Monitoring of security controls

CERTIFICATION & OUTCOME

This course will fully prepare you for the (ISC)2® CAP® Certification exam.

PREREQUISITES

Before enrolling in the course, you should have at least two years of experience in one or more of the previously listed CAP® domains. You should also be familiar with NIST documentation.

(ISC)2® Cloud Security Certification

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is aimed at IT professionals who are involved with IT architecture, web, and cloud engineering, information security, governance, risk and compliance, or IT auditing. It covers six domains.

WHAT YOU'LL LEARN

- ◆ Architectural Concepts & Design Requirements
- ◆ Cloud Data Security
- ◆ Cloud Platform & Infrastructure Security
- ◆ Cloud Application Security
- ◆ Operations
- ◆ Legal & Compliance

C E R T I F I C A T I O N & O U T C O M E

This course will fully prepare you for the (ISC)2® CCSP® Certification exam.

P R E R E Q U I S I T E S

Before enrolling in the course, you should have at least five years of experience in information technology, of which 3 years were in information security and one year in one or more of the six domains of the CCSP CBK.

(ISC)2® Certified Secure Software Lifecycle Professional

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is aimed at software development lifecycle professionals who are responsible for application security. It covers eight domains.

W H A T Y O U ' L L L E A R N

- ◆ Secure Software Concepts
- ◆ Secure Software Requirements
- ◆ Secure Software Design
- ◆ Secure Software Implementation/Programming
- ◆ Secure Software Testing
- ◆ Secure Software Lifecycle Management
- ◆ Software Deployment, Operations, and Maintenance
- ◆ Supply Chain and Software Acquisition

C E R T I F I C A T I O N & O U T C O M E

This course will fully prepare you for the (ISC)2® CSSLP® Certification exam.

P R E R E Q U I S I T E S

Before enrolling in the course, you should have at least four years of experience in Software Development Lifecycle (SDLC) professional work in one or more of the 8 domains of the CSSLP CBK.

CGRC (Certified in Governance, Risk and Compliance)

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course (formerly CAP) prepares professionals to authorize and maintain information systems using the Risk Management Framework. It is widely used for federal authorization (ATO) roles.

WHAT YOU'LL LEARN

- ◆ Information security risk management framework
- ◆ Scope of system and information categorization
- ◆ Selection and implementation of security controls
- ◆ Assessment, authorization, and monitoring
- ◆ Continuous monitoring and reauthorization

CERTIFICATION & OUTCOME

Prepares students for the ISC2 Certified in Governance, Risk and Compliance (CGRC) exam.

ISSEP (Information Systems Security Engineering Professional)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course is the CISSP-ISSEP concentration. It is designed for security engineers integrating security into systems and software through the full systems-engineering lifecycle.

WHAT YOU'LL LEARN

- ◆ Systems security engineering principles
- ◆ Risk management for security engineering
- ◆ Security planning and design
- ◆ Systems implementation, verification, and validation
- ◆ Secure operations and disposal

CERTIFICATION & OUTCOME

Prepares students for the ISC2 CISSP-ISSEP concentration exam.

PREREQUISITES

Active CISSP certification is required to earn the ISSEP credential.

ISSAP (Information Systems Security Architecture Professional)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course is the CISSP-ISSAP concentration. It targets senior architects who design enterprise security architectures aligned with business and regulatory drivers.

WHAT YOU'LL LEARN

- ◆ Identity and access management architecture

- ◆ Security operations architecture
- ◆ Infrastructure security architecture
- ◆ Application security architecture
- ◆ Governance, compliance, and risk in architecture

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the ISC2 CISSP-ISSAP concentration exam.

P R E R E Q U I S I T E S

Active CISSP certification is required to earn the ISSAP credential.

ISSMP (Information Systems Security Management Professional)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course is the CISSP-ISSMP concentration. It targets senior security managers who lead enterprise programs, including risk, compliance, BCP/DR, and law and incident management.

W H A T Y O U ' L L L E A R N

- ◆ Leadership and business management
- ◆ Systems lifecycle management
- ◆ Risk management
- ◆ Threat intelligence and incident management
- ◆ Contingency and BCP/DR management

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the ISC2 CISSP-ISSMP concentration exam.

P R E R E Q U I S I T E S

Active CISSP certification is required to earn the ISSMP credential.

I N F O R M A T I O N T E C H N O L O G Y

CISCO COURSES

CCNAX: Cisco Certified Network Associate: Accelerated Routing and Switching

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

Our accelerated 5- day, instructor-led course is intended for IT networking professionals who are responsible for medium-sized switched and routed networks. It will teach you: How to troubleshoot network problems Configure all parts of a network How to implement WAN connections How to maintain network security Internet Protocol (IP) Serial Line Interface Protocol Frame Relay Enhanced Interior Gateway Routing Protocol (EIGRP) Routing Information Protocol Version 2 (RIPv2) Access control lists (ACLs) Ethernet VLANs This course will prepare you for the CCNA® Certification exam.

PREREQUISITES

You must have the CCENT Certification before taking this course.

VPN v2.0 – Deploying Cisco ASA VPN Solutions

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is geared toward Network engineers responsible for implementing and maintaining the VPN features of a Cisco adaptive security appliance (ASA). It covers: Common Cisco ASA Adaptive Security Appliance VPN configuration components

WHAT YOU'LL LEARN

- ◆ ASA EZVPN
- ◆ ASA IP S2S VPN
- ◆ Basic EZVPN remote operations on the ASA 5505 using ASDM
- ◆ SSL VPN high availability
- ◆ ASA clientless SSL VPN

PREREQUISITES

Before taking this course, you should have the CCNA Routing and Switching and CCNA Security certifications. This course will prepare you for the 642-648 VPN exam connections

DCMDS: Configuring Cisco MDS 9000 Series Switches v1.0

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is directed toward IT professionals in the field of systems engineering. It will walk you through the fundamental skill set necessary for the MDS 9000 Series configuration. Topics include.

WHAT YOU'LL LEARN

- ◆ Setting up the switch
- ◆ Interface configuration
- ◆ VSANs
- ◆ Domains
- ◆ Zones

PREREQUISITES

Before enrolling in this course you should have experience with network protocols like Ethernet and IP, and understand data storage hardware components and protocols, including SCSI and Fibre Channel. It is also recommended that you have CCNA Certification.

DCNX5K: Configuring Cisco Nexus 5000 Switches v2.1

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is aimed at IT professionals in the field of systems engineering. It focuses on the installation, configuration, management and troubleshooting of Cisco Nexus 5000 switches as they apply to SAN, LAN and unified fabric environments. It covers.

WHAT YOU'LL LEARN

- ◆ Cisco Data Center architecture
- ◆ Cisco Data Center infrastructure – NX-OS
- ◆ Data Center virtualization
- ◆ Storage networking
- ◆ Application networking services – ANS
- ◆ Cisco unified computing

CERTIFICATION & OUTCOME

This course will help prepare you for the CCIE Data Center Certification exam.

PREREQUISITES

Before enrolling in this course, you should have the CCNA® Certification and a strong understanding of networking protocols.

VPN v2.0 – Deploying Cisco ASA VPN Solutions

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is geared toward Network Engineers responsible for implementing and maintaining VPN features.

PREREQUISITES

Before taking this course, you should have the CCNA® Routing and Switching and CCNA® Security certifications.

DCUCI: Implementing Cisco Data Center Unified Computing v5.0

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is directed toward IT professionals in the field of networking and systems administration. It covers techniques for managing, maintaining and troubleshooting a Cisco Unified Computing System (UCS). It focuses on.

WHAT YOU'LL LEARN

- ◆ UCS C-Series rack servers
- ◆ Cisco UCS B-Series management & connectivity
- ◆ Provisioning resources for Cisco UCS
- ◆ Implementing virtualization features in the Cisco UCS server

CERTIFICATION & OUTCOME

This course will prepare you for the DCUCI Certification exam, one of two certifications needed for the CCNP® Data Center Certification.

PREREQUISITES

Before taking this course, you should be familiar with the CCNA® Data Center; server OS, hypervisor and virtualization; and the implementation of Cisco Storage Networking Solutions (ICSNS)

DCUFI: Implementing Cisco Data Center Unified Fabric v5.0

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is aimed at IT professionals in the field of systems engineering. It covers the key techniques needed to effectively install, configure, and maintain Cisco Nexus Series 7000, 5000, 2000 and MDS switches. It focuses on.

WHAT YOU'LL LEARN

- ◆ UCS C-Series rack services
- ◆ Cisco UCS B-Series management
- ◆ UCS B-Series connectivity
- ◆ Provisioning resources for Cisco UCS
- ◆ Implementing virtualization features in Cisco UCS server

CERTIFICATION & OUTCOME

This course will prepare you for the DCUFI Certification exam, one of two needed for the CCNP® Certification.

PREREQUISITES

Before taking this course, you should be familiar with the CCNA® Data Center Certification; Fibre Channel Protocol and SAN environment; and the implementation of Cisco Storage Network Solutions (ICSNS).

Implementing Cisco IOS Network Security (IINS)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

Formerly known as the CCNA® Security Certification, this 5-day, instructor-led course is directed toward IT networking professionals. It covers.

WHAT YOU'LL LEARN

- ◆ AAA on Cisco devices
- ◆ Cisco firewall technologies
- ◆ Cisco IPS
- ◆ Layer 2 attacks
- ◆ Common security threats
- ◆ IOS ACLs
- ◆ Secure network management & reporting
- ◆ Security on Cisco routers
- ◆ VPN technologies

CERTIFICATION & OUTCOME

This course will prepare you for the CCNA® Security Certification exam.

P R E R E Q U I S I T E S

Before taking this course, you should be familiar with the concepts covered in Cisco ICND 1, have a knowledge of Cisco IOS networking, and can work with a Windows operating system. Cisco recommends having either the CCENT or CCNA® Routing and Switching certifications.

ROUTE: Implementing Cisco IP Routing v1.0**◆ 5 - DAY | LIVE • INSTRUCTOR - LED**

This 5-day, instructor-led course is directed toward IT professionals responsible for implementing, configuring and verifying routing protocols within their organization. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Scalability for Cisco routers connected to LANs & WANs
- ◆ EIGRP & OSPF techniques
- ◆ IPv6 based solutions
- ◆ Implementing Layer 3 Path Control solution

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the ROUTE Certification exam, one of three parts needed to attain the CCNP® Certification.

P R E R E Q U I S I T E S

Before taking this course, you must have the CCNA® Routing and Switching Certification. You should also have at least one year of professional networking experience, knowledge of IP and internetworking technologies, and be experienced with the installation and maintenance procedures for Cisco routers and switches.

SWITCH: Implementing Cisco IP Switched Networks v1.0**◆ 5 - DAY | LIVE • INSTRUCTOR - LED**

This 5-day, instructor-led course is aimed at IT professionals responsible for handling complex switched and routed networks. It covers.

W H A T Y O U ' L L L E A R N

- ◆ High availability implementation
 - ◆ Security extension implementation of a Layer 2 solution
 - ◆ Implementing VLAN based solutions
-

- ◆ Cisco Campus Enterprise Architecture
- ◆ Secure integration of VLANs, WLANs, voice & video traffic into networks

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the SWITCH Certification exam, one of three parts needed to attain the CCNP® Certification.

P R E R E Q U I S I T E S

You should have at least one year of networking experience before enrolling in this course. You should also have the CCNA® Certification or equivalent knowledge.

IUWNE: Implementing Cisco Unified Wireless Networking Essentials v2.0

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is directed toward IT networking professionals, and it will teach you how to design, install, configure, monitor and troubleshoot Cisco wireless LAN networks. It covers: WLAN fundamentals Wireless Client installation Basic Cisco wireless LAN installation Basic WLAN security implementation WLAN maintenance & troubleshooting Operating basic WCS This course will prepare you for the CCNA® Wireless Certification exam.

P R E R E Q U I S I T E S

Before enrolling in this course, you should have the CCENT Certification.

VIVND: Implementing Cisco Video Network Devices

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is geared toward IT professionals such as Systems Administrators and Field Engineers. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Endpoint configuration
- ◆ Conferencing concepts
- ◆ Components & best practices of videoconferencing
- ◆ Environmental requirements
- ◆ Troubleshooting & support

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the CCNA® Video Certification exam.

P R E R E Q U I S I T E S

You should be familiar with basic IP networking and CCENT® and CCNA® certifications.

ICND1 v2.0: Interconnecting Cisco Networking Devices, Part 1**◆ 5 - DAY | LIVE • INSTRUCTOR-LED**

This 5-day, instructor-led course is geared toward IT networking professionals, and it focuses on developing a practical understanding of TCP/IP networks that are built with Cisco hardware. It covers.

W H A T Y O U ' L L L E A R N

- ◆ The basics of routing & switching
- ◆ Connecting to a WAN
- ◆ TCP/IP & IOS Models
- ◆ IP Addressing
- ◆ Operating & Configuring IOS Devices
- ◆ Configuring RIPv2
- ◆ Static & Default Routing
- ◆ NAT & DHCP

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the CCENT Certification exam.

P R E R E Q U I S I T E S

You should have a strong understanding of basic networking concepts before taking this course.

ICND2 v2.0: Interconnecting Cisco Networking Devices, Part 2**◆ 5 - DAY | LIVE • INSTRUCTOR-LED**

This 5-day, instructor-led course is directed toward IT network professionals who work with medium-sized switched and routed networks. It covers.

W H A T Y O U ' L L L E A R N

- ◆ VLSM & IPv6 addressing

- ◆ Extending switch networks with VLANs
- ◆ Determining IP routes
- ◆ Managing IP traffic with access lists
- ◆ Establishing point-to-point connections

C E R T I F I C A T I O N & O U T C O M E

This course builds on the concepts learned in ICND1 to prepare you for the CCNA® Certification.

P R E R E Q U I S I T E S

You must have successfully completed the ICND1 course before enrollment. You should also have hands-on experience with Cisco routers and switches, a strong understanding of networking, and a firm grasp of the OSI model, IP subnetting and IP addressing.

DCUCT: Troubleshooting Cisco Data Center Unified Computing v5.1

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is targeted toward systems engineering professionals. It covers the troubleshooting of UCS B-Series and C-Series servers. It focuses on.

W H A T Y O U ' L L L E A R N

- ◆ Cisco UCS B-Series troubleshooting techniques
- ◆ Cisco UCS C-Series standalone server troubleshooting techniques
- ◆ Integration techniques for UCS C-Series

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the DCUCT exam, one elective necessary for the CCNP® Certification.

P R E R E Q U I S I T E S

Before enrolling in this course, you should understand Internetworking Fundamentals and experience with DCUCI.

TSHOOT: Troubleshooting and Maintaining Cisco IP Networks v1.0

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is directed toward IT networking professionals responsible for maintaining medium- to large-sized networks. It will teach you how to.

WHAT YOU'LL LEARN

- ◆ Perform maintenance on complicated enterprise-routed & switched networks
- ◆ Monitor & maintain network performance
- ◆ Use a multi-protocol system for network troubleshooting

CERTIFICATION & OUTCOME

This course will prepare you for the TSHOOT Certification exam, one of three parts needed to attain the CCNP® Certification.

PREREQUISITES

Before enrolling in this course, you should have the CCNA® Certification and an understanding of internetworking technologies. You should also know how to install, configure and maintain Cisco routers and switches.

CCNA Certification Training (CCNA v1.0)

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course is the standard entry point into Cisco networking. Students master the configuration and troubleshooting of small-to-medium enterprise networks, including IP services, security fundamentals, automation, and programmability.

WHAT YOU'LL LEARN

- ◆ Network fundamentals and IP services
- ◆ IP connectivity and routing essentials
- ◆ LAN switching and wireless basics
- ◆ Security fundamentals
- ◆ Automation and programmability

CERTIFICATION & OUTCOME

Prepares students for the Cisco Certified Network Associate (CCNA 200-301) exam.

DCCOR: Implementing and Operating Cisco Data Center Core Technologies

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course covers the core data center technologies needed to deploy, secure, operate, and maintain Cisco data center networks, including SAN, computing, and automation.

WHAT YOU'LL LEARN

- ◆ Data center networking and routing
- ◆ Storage networking and SAN integration
- ◆ Compute and unified fabric
- ◆ Automation with Python and APIs
- ◆ Security and policy in the data center

CERTIFICATION & OUTCOME

Prepares students for the DCCOR (350–601) exam and supports the CCNP and CCIE Data Center tracks.

SPCOR: Implementing and Operating Cisco Service Provider Network Core

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course prepares network engineers to work on service-provider-class core technologies – routing, segment routing, MPLS, transport, services, and automation.

WHAT YOU'LL LEARN

- ◆ Service provider architectures
- ◆ Routing protocols and segment routing
- ◆ MPLS and transport services
- ◆ Service provider security
- ◆ Automation and assurance

CERTIFICATION & OUTCOME

Supports the CCNP Service Provider and CCIE Service Provider certifications.

SCOR: Implementing and Operating Cisco Security Core Technologies

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course covers the core technologies that protect modern Cisco-based networks: secure connectivity, content security, secure network access, endpoint protection, and visibility.

WHAT YOU'LL LEARN

- ◆ Security concepts and threat landscape
- ◆ Network and cloud security
- ◆ Content and endpoint security

- ◆ Secure network access and visibility
- ◆ Enforcement, monitoring, and automation

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the SCOR (350-701) exam and supports the CCNP/CCIE Security tracks.

SDWAN300: Implementing Cisco SD-WAN Solutions

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course covers the design, deployment, configuration, and ongoing operation of Cisco SD-WAN, including overlay design, policies, security, and operational best practices.

W H A T Y O U ' L L L E A R N

- ◆ SD-WAN architecture and components
- ◆ Controller and edge deployment
- ◆ Policies, security, and segmentation
- ◆ Cloud and SaaS integration
- ◆ Monitoring and troubleshooting

C E R T I F I C A T I O N & O U T C O M E

Supports the Cisco SD-WAN specialist certification.

ENCOR: Implementing and Operating Cisco Enterprise Network Core Technologies

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course covers the enterprise-scale technologies that underpin Cisco campus and wide-area networks — including infrastructure, virtualization, network assurance, security, and automation.

W H A T Y O U ' L L L E A R N

- ◆ Network architecture and virtualization
- ◆ Routing and switching at scale
- ◆ Wireless and assurance
- ◆ Security and network access
- ◆ Automation and programmability

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the ENCOR (350–401) exam and supports the CCNP/CCIE Enterprise tracks.

ENARSI: Implementing Cisco Enterprise Advanced Routing and Services

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course covers advanced routing services in enterprise networks: layered routing protocols, VPN services, infrastructure security, and infrastructure services and automation.

W H A T Y O U ' L L L E A R N

- ◆ Advanced enterprise routing (EIGRP, OSPF, BGP)
- ◆ VPN technologies
- ◆ Infrastructure security
- ◆ Infrastructure services
- ◆ Troubleshooting and automation

C E R T I F I C A T I O N & O U T C O M E

Supports the CCNP Enterprise certification as an ENARSI concentration exam (300–410).

CLCOR: Implementing and Operating Cisco Collaboration Core Technologies

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course is the core training for Cisco collaboration engineers, covering infrastructure, call control, endpoints, conferencing, applications, and collaboration edge.

W H A T Y O U ' L L L E A R N

- ◆ Collaboration infrastructure and protocols
- ◆ Call control and dial plans
- ◆ Endpoints and registration
- ◆ Edge and security
- ◆ Conferencing, applications, and automation

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the CLCOR (350–801) exam and supports the CCNP/CCIE Collaboration tracks.

SSFAMP v5.0: Protecting Against Malware Threats with Cisco AMP for Endpoints

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day course teaches security operators how to deploy, operate, and tune Cisco Secure Endpoint (formerly AMP for Endpoints) against modern malware threats.

WHAT YOU'LL LEARN

- ◆ Cisco Secure Endpoint architecture
- ◆ Policy creation and tuning
- ◆ Threat hunting and outbreak control
- ◆ Integrations with the Cisco security ecosystem
- ◆ Reporting and metrics

CERTIFICATION & OUTCOME

Supports the Cisco Security specialist track.

ACUCC v12.5: Administering Cisco Unified Communications Call Manager

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course covers the day-to-day administration of Cisco Unified Communications Manager (CUCM) — including end-user, device, and dial-plan management.

WHAT YOU'LL LEARN

- ◆ CUCM architecture and components
- ◆ User and device management
- ◆ Dial-plan configuration
- ◆ Media resources and conferencing
- ◆ Monitoring and troubleshooting

CERTIFICATION & OUTCOME

Supports the Cisco Collaboration certification tracks.

ASCCX v11.0: Advanced Scripting for Cisco Unified Contact Center Express

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course teaches advanced scripting for Cisco Unified Contact Center Express (UCCX) — including custom Java steps, integrations, and complex routing logic.

WHAT YOU'LL LEARN

- ◆ Advanced UCCX scripting patterns
- ◆ Custom Java steps and code
- ◆ Integrations with external systems
- ◆ Complex routing and queueing
- ◆ Debugging and performance tuning

CERTIFICATION & OUTCOME

Supports the Cisco Collaboration certification tracks.

PREREQUISITES

Foundational UCCX scripting experience.

DCUFD: Designing Cisco Data Center Unified Fabric

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course teaches architects how to design Cisco Data Center Unified Fabric environments — covering Nexus platforms, storage connectivity, and high availability.

WHAT YOU'LL LEARN

- ◆ Unified Fabric architecture
- ◆ Nexus platform design
- ◆ Storage connectivity (FCoE)
- ◆ High availability and redundancy
- ◆ Migration considerations

CERTIFICATION & OUTCOME

Supports the Cisco Data Center certification tracks.

COLLAB250/350: Cisco Meeting Server Intermediate

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course teaches the deployment, configuration, and administration of Cisco Meeting Server — covering call control, recording, streaming, and high availability.

WHAT YOU'LL LEARN

- ◆ Cisco Meeting Server architecture
- ◆ Call control and dial-plan integration
- ◆ Recording and streaming
- ◆ High availability and resilience
- ◆ Operations and troubleshooting

CERTIFICATION & OUTCOME

Supports the Cisco Collaboration certification tracks.

UCCE-A v11.5: Cisco Unified Contact Center Enterprise Administration

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course teaches the administration of Cisco Unified Contact Center Enterprise (UCCE) — including agent and team management, skill groups, routing, and reporting.

WHAT YOU'LL LEARN

- ◆ UCCE architecture overview
- ◆ Agent, team, and skill group management
- ◆ Routing scripts and call flows
- ◆ Reporting and dashboards
- ◆ Day-to-day administration

CERTIFICATION & OUTCOME

Supports the Cisco Collaboration certification tracks.

UCCE-AA v11.5: Cisco Unified Contact Center Enterprise Advanced Administration

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day course extends UCCE-A with advanced administration topics including complex routing, integrations, and tuning for large UCCE deployments.

WHAT YOU'LL LEARN

- ◆ Advanced routing scripts
- ◆ Integrations with CRM and WFO
- ◆ Performance and capacity planning
- ◆ Advanced troubleshooting
- ◆ Operational best practices

CERTIFICATION & OUTCOME

Supports the Cisco Collaboration certification tracks.

PREREQUISITES

UCCE-A v11.5 or equivalent UCCE administration experience.

UCCE-D v11.5: Cisco Unified Contact Center Enterprise Deployment

◆ 5-DAY | LIVE • INSTRUCTOR-LED

This 5-day course teaches the design and deployment of Cisco Unified Contact Center Enterprise — covering sizing, integration, security, and migration considerations.

WHAT YOU'LL LEARN

- ◆ UCCE deployment design
- ◆ Sizing, redundancy, and HA
- ◆ Integrations and dial plans
- ◆ Security and compliance
- ◆ Migration and upgrade planning

CERTIFICATION & OUTCOME

Supports the Cisco Collaboration certification tracks.

I N F O R M A T I O N T E C H N O L O G Y

ISACA COURSES

ISACA® Certified Information Security Manager (CISM®)

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is directed toward managers in the IT security field. You will learn how to.

WHAT YOU'LL LEARN

- ◆ Govern information security
- ◆ Develop & manage an IS program
- ◆ Respond when incidents arise

CERTIFICATION & OUTCOME

After taking this course, you will be prepared to take the CISM® Certification exam, offered annually in June, September and December.

PREREQUISITES

Prior to taking this course, you should have at least five years of professional experience in the information security field, three of which as an information security manager. It may also be helpful to have the CompTIA® Security+ Certification and be familiar with TCP/IP and the Windows, UNIX and Linux Operating Systems.

ISACA® Certified Information Systems Auditor (CISA®)

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is directed toward those who audit, control, monitor and assess a company's IT and business systems. It covers five domains.

WHAT YOU'LL LEARN

- ◆ IS audit process
- ◆ IT governance & management
- ◆ IS acquisition, development & implementation
- ◆ IS operations, maintenance & support
- ◆ Protection of information assets

CERTIFICATION & OUTCOME

This course will prepare you for the CISA® Certification exam, held annually in June, September and December.

PREREQUISITES

You should have at least five years of professional experience with IT systems, auditing or IS security. Though not required, it is also recommended that you have the CompTIA® Security+ Certification.

ISACA® Certified in Risk and Information Systems Control (CRISC®)

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day, instructor-led course is aimed at IT professionals who wish to build a career in risk management. This course covers five domains.

WHAT YOU'LL LEARN

- ◆ Identification, assessment & evaluation of risk
- ◆ Risk response
- ◆ Monitoring risk
- ◆ Information systems control, design & implementation
- ◆ Information systems control, monitoring & maintenance

CERTIFICATION & OUTCOME

This course will prepare you for the CRISC® Certification exam, held annually in June and December.

PREREQUISITES

You should have at least three years of work experience performing tasks associated with at least three of the previously listed CRISC® domains.

Advanced in AI Security Management (AAISM)

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day ISACA course prepares senior security professionals to define and run an enterprise AI security program — covering threat models, controls, governance, and ongoing assurance for AI systems.

WHAT YOU'LL LEARN

- ◆ AI threat models and risk frameworks
- ◆ AI security controls and architectures
- ◆ Governance, compliance, and assurance
- ◆ Operationalizing AI security at enterprise scale
- ◆ Working across security, data, and AI teams

CERTIFICATION & OUTCOME

Prepares students for the ISACA Advanced in AI Security Management (AAISM) credential.

I N F O R M A T I O N T E C H N O L O G Y

CLUDERA COURSES

Cloudera® Certified Administrator for Apache Hadoop (CCAHA®)

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is intended for systems administrators responsible for Hadoop cluster management. It teaches you how to.

WHAT YOU'LL LEARN

- ◆ Build a Hadoop architecture
- ◆ Institute proper configuration & deployment of clusters for integration
- ◆ Use techniques for loading data
- ◆ Use FairScheduler configuration
- ◆ Implement Kerberos-based cluster security
- ◆ Prepare & maintain Hadoop in production
- ◆ Diagnose & troubleshoot and issues with Hadoop

CERTIFICATION & OUTCOME

This course will prepare you for the CCAHA® Certification exam.

PREREQUISITES

You should have basic knowledge and experience with systems administration working with Linux before taking this course.

Cloudera® Data Analyst: Pig, Hive and Impala Training

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day, instructor-led course is targeted toward data and business analysts. It teaches you.

WHAT YOU'LL LEARN

- ◆ Best practices for managing, manipulating & querying large, complex data
- ◆ How to use Apache Pig & Hive
- ◆ How to use Impala

- ◆ How to identify which tool is most appropriate for various analytic tasks
- ◆ How to use SQL & scripting language to access, manipulate & analyze bug data

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Data Science Essentials exam.

P R E R E Q U I S I T E S

Before taking this course, you should be familiar with SQL and basic Linux commands. It may also be helpful to should also have some knowledge of Java and Apache Hadoop.

Cloudera® Certified Developer for Apache Hadoop (CCDH®)

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is directed toward developers responsible for creating applications for big data. It addresses.

W H A T Y O U ' L L L E A R N

- ◆ MapReduce
- ◆ Hadoop Distributed Files System (HDFS)
- ◆ Best practices for debugging Hadoop
- ◆ Constructing programs against the API
- ◆ Implementing workflows

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the CCDH® Certification exam. There are no specific prerequisites for this course. However, you should have some programming experience, particularly in Java, before enrolling.

Cloudera® Certified Specialist in Apache HBase (CCSHB®)

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is designed for both network developers and network administrators. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Best practices for identifying & resolving performance bottlenecks
- ◆ How to deploy & manage Apache HBase
- ◆ How to use & manipulate HBase tables

- ◆ How to design the most optimal schemes for data storage & recovery
- ◆ When to use Hadoop, HBase & RDBMS

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the CCSHB® Certification exam.

P R E R E Q U I S I T E S

Before taking this course, you should have the Cloudera® CCDH® Certification as a foundation. It may also be helpful to have experience with Apache Hadoop and Java programming.

I N F O R M A T I O N T E C H N O L O G Y

CWNP COURSES

CWNP® Certified Wireless Network Administrator (CWNA)

◆ 3 - D A Y | L I V E • I N S T R U C T O R - L E D

This 3-day, instructor led course is aimed at wireless networking professionals. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Radio Frequency (RF) technologies
- ◆ Network design, installation & management
- ◆ Troubleshooting
- ◆ 802.11 network architecture
- ◆ Wireless LAN hardware, software & security
- ◆ Wireless standards & organizations
- ◆ Antenna concepts
- ◆ How to perform site surveys

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the CWNA Certification exam.

P R E R E Q U I S I T E S

You should be familiar with terminology and concepts associated with the CWTS, CWNP and CWSP exams before taking this course.

CWNP® Certified Wireless Technology Specialist (CWTS)

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

This 2-day, instructor-led course is directed toward wireless networking professionals. It covers.

WHAT YOU'LL LEARN

- ◆ Wi-Fi technology, certifications & standards
- ◆ Software & hardware
- ◆ The fundamentals of Radio Frequency (RF)
- ◆ Site surveying & installation
- ◆ Compliance & security

CERTIFICATION & OUTCOME

This course will prepare you for the CWTS Certification exam.

PREREQUISITES

You should be familiar with terminology and concepts associated with the CWNA, CWNP and CWSP exams before taking this course.

INFORMATION TECHNOLOGY

IPV6 COURSES

Introduction to IPv6

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day, instructor-led course is aimed at IT networking professionals responsible for transitioning a network from the Internet Engineering Task Force (IETF) IPv4 to IPv6. It covers.

WHAT YOU'LL LEARN

- ◆ Auto-configuration of IP addresses
- ◆ Neighbor Discovery
- ◆ Multicasting routing & group management
- ◆ Path MTU discovery
- ◆ Mobile IPv6 based on ICMPv6

CERTIFICATION & OUTCOME

This course will prepare you to effectively manage and defend an IPv6 network.

P R E R E Q U I S I T E S

Before enrolling in this course, you must have the CCNA® and CCNP®-ROUTE certifications. You should also have experience working with the Windows operating system.

IP6FD: IPv6 Fundamentals, Design, and Deployment v3.0**◆ 5 - DAY | LIVE • INSTRUCTOR-LED**

This 5-day, instructor-led course is geared toward IT networking professionals responsible for transitioning to an IPv6 network. It focuses on various IPv6 implementation processes regarding.

W H A T Y O U ' L L L E A R N

- ◆ Design
- ◆ Operation
- ◆ Addressing
- ◆ Routing
- ◆ Services
- ◆ Transition

C E R T I F I C A T I O N & O U T C O M E

This course will fully prepare you to effectively deploy IPv6 within your organization.

P R E R E Q U I S I T E S

Before taking this course, you should have the CCNA® Certification and be familiar with the Microsoft and Windows operating systems.

I N F O R M A T I O N T E C H N O L O G Y**ITIL® COURSES****ITIL® Foundation****◆ 3 - DAY | LIVE • INSTRUCTOR-LED**

This 3-day, instructor-led course is aimed at all IT professionals, and it will teach you the knowledge and skills needed to manage the many functions of an IT system to deliver the best business practices. It focuses on these five core disciplines.

WHAT YOU'LL LEARN

- ◆ Strategy of service
- ◆ Service design
- ◆ Service transition
- ◆ Service operations
- ◆ The continuation of service improvement

PREREQUISITES

This course will prepare you for the ITIL® Foundation exam. There are no prerequisites for this course. However, it is recommended that you have some basic knowledge and experience in the IT field before enrollment.

ITIL® Practitioner

◆ 2 - DAY | LIVE • INSTRUCTOR - LED

This 2-day, instructor-led course is aimed at all IT professionals, and it provides a step between Foundation and the Intermediate Level. This course offers practical guidance on how to adopt and adapt ITIL to your business's objectives. Students will be able to not only speak the language of ITIL but translate it and use it in practice. This course will prepare you for the ITIL® Practitioner exam. Before taking this course, you must have the ITIL® Foundation Qualification.

ITIL® Capability: Operational Support & Analysis

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is designed for IT professionals in the field of Service Management. It covers.

WHAT YOU'LL LEARN

- ◆ Service Management as a practice
- ◆ Service operation principles
- ◆ The Service Operation Lifecycle's roles & processes
- ◆ The Operational Support & Analysis process across the Service Lifecycle
- ◆ Organizing for Service Operation
- ◆ Critical success factors, challenges & risks associated with ITIL® Operational Support & Analysis
- ◆ The importance of IT security & its contributions to ITIL® Operation Support & Analysis

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the ITIL® OSA Certification exam.

P R E R E Q U I S I T E S

Before taking this course, you must have the ITIL® Foundation Qualification. It is also recommended that you understand IT terminology, as well as experience working as a Service Manager.

ITIL® Capability: Planning, Protection & Optimization

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is designed for IT professionals in the field of Service Management. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Service Management as a practice
- ◆ Planning, Optimization & Protection processes & roles
- ◆ Capacity Management
- ◆ Availability Management
- ◆ Demand Management
- ◆ Information Security management
- ◆ IT Service Continuity Management

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the ITIL® PPO Certification exam.

P R E R E Q U I S I T E S

Before taking this course, you must have the ITIL® Foundation Qualification. You should also be familiar with terms and concepts associated with Service Management.

ITIL® Capability: Release, Control & Validation

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is targeted toward IT professionals in the field of Service Management. It covers.

W H A T Y O U ' L L L E A R N

- ◆ The purpose & objective of Service Management

- ◆ Change Management
- ◆ ITIL Release, Control & Validation processes, roles & functions
- ◆ Service Asset & Configuration Management
- ◆ Knowledge Management
- ◆ Performance assurance from the Requesting of Fulfillment & Evaluation

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the ITIL® RCV Certification exam.

P R E R E Q U I S I T E S

You should have the ITIL® Foundation Qualification before taking this course. It may also be helpful to have 2-4 years of work experience.

ITIL® Capability: Service Offerings & Agreements

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is intended for IT professionals in the Service Management field. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Service Management as a practice
- ◆ Service Offering & Agreements processes, roles & responsibilities
- ◆ Service Operation functions & organization
- ◆ Technology & Implementation considerations

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the ITIL® SOA Certification exam.

P R E R E Q U I S I T E S

You should have the ITIL® Foundation Qualification before taking this course. You should also have 2-4 years of work experience in Service Management.

ITIL® Lifecycle: Service Design

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day, instructor-led course is aimed at IT professionals in the Service Management field. It covers.

WHAT YOU'LL LEARN

- ◆ Managing Service Design roles, processes & activities
- ◆ Coordinating & organizing Service Design technology
- ◆ The sub-processes, activities, methods & functions used in each of the ITIL Service Design processes
- ◆ Implementing & measuring ITIL Service Design

CERTIFICATION & OUTCOME

This course will prepare you for ITIL® SD Qualification exam.

PREREQUISITES

You must have the ITIL® Foundation Qualification before taking this course. It may also be helpful to have at least two years of experience working in Service Management.

ITIL® Lifecycle: Service Operation

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day, instructor-led course is targeted toward IT professionals in the Service Management field. It covers.

WHAT YOU'LL LEARN

- ◆ Service Operation principles, processes, functions & activities
- ◆ Technology considerations
- ◆ Implementation considerations
- ◆ Challenges, critical success factors & risks

CERTIFICATION & OUTCOME

This course will prepare you for the ITIL® SO Qualification exam.

PREREQUISITES

Before taking this course, you should have the ITIL® Foundation Qualification. It may also be helpful to have at least two years of experience working in Service Management.

ITIL® Lifecycle: Service Strategy

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day, instructor-led course is intended for IT professionals in the Service Management field. It covers.

WHAT YOU'LL LEARN

- ◆ Service Strategy principles
- ◆ Defining services & market spaces
- ◆ Conducting strategic assessments
- ◆ Financial management
- ◆ Managing a Service Portfolio
- ◆ Managing demand
- ◆ The Service Lifecycle
- ◆ Overall critical success factors & risks

CERTIFICATION & OUTCOME

This course will prepare you for the ITIL® SS Qualification exam.

PREREQUISITES

Before taking this course, you should have at least two years of work experience and familiarity with IT Service Management. You should also have the ITIL® Foundation Qualification.

ITIL® Lifecycle: Service Transition

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day, instructor-led course is targeted toward IT professionals in the Service Management field. It covers.

WHAT YOU'LL LEARN

- ◆ Service Transition principles & activities
- ◆ How to manage & organize for Service Transition
- ◆ The control & coordination of Service Transition technology related activities
- ◆ Analysis, justification & selection of the implementation approaches, challenges, critical success factors & risks

CERTIFICATION & OUTCOME

This course will prepare you for the ITIL® ST Qualification exam.

PREREQUISITES

You should have the ITIL® Foundation Qualification and at least two years of work experience in the IT Service Management field before taking this course.

ITIL® Lifecycle: Continual Service Improvement

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day, instructor-led course is intended for IT professionals in the IT Service Management field. It covers.

WHAT YOU'LL LEARN

- ◆ Continual Service Improvement principles, processes, methods & techniques
- ◆ Technology for Continual Service Improvement
- ◆ Organization for Continual Service Improvement
- ◆ Implementation considerations
- ◆ Critical success factors & risks

CERTIFICATION & OUTCOME

This course will prepare you for the ITIL® CSI Qualification exam.

PREREQUISITES

Before taking this course, you should have the ITIL® Foundation Qualification and at least two years of work experience in the IT Service Management field.

ITIL® Capstone: Managing Across the Lifecycle

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is targeted toward IT professionals in the Service Management field, and it is the last step before reaching the ITIL® Expert Level. It covers: Service Lifecycle key concepts Managerial function Risk management Lifecycle Project Assessment Understanding organizational challenges How to manage the planning & implementation of IT Service Management This course will prepare you for the ITIL® MALC Qualification exam.

PREREQUISITES

Before taking this course, you must have the ITIL® Foundation Qualification and at least 15 credits from ITIL® Intermediate qualifications.

ITIL 4 Specialist: High Velocity IT

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day course covers the practices that enable high-velocity, digital-first IT delivery — value streams, lean, agile, DevOps — within the ITIL 4 framework.

WHAT YOU'LL LEARN

- ◆ The nature of high-velocity organizations
- ◆ High-velocity IT operating model
- ◆ Co-creating value with digital products
- ◆ Lean and agile in service delivery
- ◆ Cultural and behavioral aspects

CERTIFICATION & OUTCOME

Prepares students for the ITIL 4 Specialist: High Velocity IT certification.

ITIL 4 Strategist: Direct, Plan and Improve

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day course teaches senior practitioners how to direct, plan, and continually improve service organizations using ITIL 4 strategy and improvement practices.

WHAT YOU'LL LEARN

- ◆ Strategy, governance, and the operating model
- ◆ Direction-setting and decision-making
- ◆ Planning across portfolios
- ◆ Continual improvement at scale
- ◆ Communication, OCM, and measurement

CERTIFICATION & OUTCOME

Prepares students for the ITIL 4 Strategist: Direct, Plan and Improve certification.

ITIL 4 Leader: Digital and IT Strategy

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day course is designed for leaders shaping the digital and IT strategy of their organization. It bridges strategic intent with the ITIL 4 service value system.

WHAT YOU'LL LEARN

- ◆ Digital strategy and disruption

- ◆ Aligning IT and digital strategy with business
- ◆ Implementing strategic change
- ◆ Risk and governance for digital programs
- ◆ Measuring strategic success

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the ITIL 4 Leader: Digital and IT Strategy certification.

I N F O R M A T I O N T E C H N O L O G Y

MICROSOFT COURSES

20347: Enabling Office 365 Services

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day Microsoft course targets the needs of IT professional who take part in evaluating, planning, deploying, and operating Office 365 services. This course focuses on skills required to set up an Office 365 tenant. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Plan an Office 365 deployment, configure the Office 365 tenant, and plan a pilot deployment
- ◆ Manage Office 365 users, groups, and licenses, and configure delegated administration
- ◆ Plan and configure client connectivity to Office 365
- ◆ Plan and configure directory synchronization between Azure AD and on-premises AD DS
- ◆ Plan and implement the deployment of Office 365 ProPlus
- ◆ Plan and manage Exchange Online recipients and permissions
- ◆ Plan and configure Exchange Online services
- ◆ Plan and implement the Skype for Business Online deployment
- ◆ Plan and configure SharePoint Online
- ◆ Plan and configure an Office 365 collaboration solution that includes Yammer Enterprise, OneDrive for Business, and Office 365 groups
- ◆ Plan and configure the integration between Office 365 and Azure RMS, and configure compliance features in Office 365
- ◆ Monitor and review Office 365 services, and troubleshoot Office 365 issues
- ◆ Plan and implement identity federation between on-premises AD DS and Azure AD

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Exam 70-346: Managing Office 365 Identities and Requirements.

P R E R E Q U I S I T E S

Before taking this course, you should have at least 2 years of experience administering the Windows Operating System.

20461: Querying Microsoft SQL Server 2014**◆ 5 - DAY | LIVE • INSTRUCTOR - LED**

This 5-day course dives into the skills for writing basic Transact-SQL queries with SQL Server 2014 for Database Administrators, Developers, and other business intelligence professionals who want to understand fundamental knowledge, tools and capabilities for querying data. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Describe the basic architecture and concepts of Microsoft SQL Server 2014
- ◆ Understand the similarities and differences between Transact-SQL and other computer languages
- ◆ Write SELECT queries
- ◆ Query multiple tables
- ◆ Sort and filter data
- ◆ Describe the use of data types in SQL Server
- ◆ Modify data using Transact-SQL
- ◆ Use built-in functions
- ◆ Group and aggregate data
- ◆ Use subqueries
- ◆ Use table expressions
- ◆ Use set operators
- ◆ Use window ranking, offset and aggregate functions
- ◆ Implement pivoting and grouping sets
- ◆ Execute stored procedures
- ◆ Program with T-SQL
- ◆ Implement error handling
- ◆ Implement transactions

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Exam 70-461: Implementing a Data Warehouse with Microsoft SQL Server 2012/2014.

P R E R E Q U I S I T E S

Before taking this course, you should have experience with relational databases and MS Windows operating systems.

20462: Administering Microsoft SQL Server 2014 Databases

♦ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day Microsoft course goes into the skills and knowledge for maintaining SQL Server 2014 databases in the enterprise. Students are immersed in material explaining the different tools and capabilities for database management and maintenance. It covers.

W H A T Y O U ' L L L E A R N

- ♦ Describe core database administration tasks and tools
- ♦ Install and configure SQL Server 2014
- ♦ Configure SQL Server databases and storage
- ♦ Plan and implement a backup strategy
- ♦ Restore databases from backups
- ♦ Import and export data. Monitor SQL Server
- ♦ Trace SQL Server activity
- ♦ Manage SQL Server security
- ♦ Audit data access and encrypt data
- ♦ Perform ongoing database maintenance
- ♦ Automate SQL Server maintenance with SQL Server Agent Jobs
- ♦ Configure Database Mail, alerts and notifications

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Exam 70-462: Administering Microsoft SQL Server 2012/2014 Databases.

P R E R E Q U I S I T E S

Before taking this course, you should have experience with MS Windows operating systems, Transact-SQL, relational databases, and database design.

20463: Implementing a Data Warehouse with MS SQL Server

♦ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day Microsoft course benefits data warehouse professionals who want to understand the process for implementing data warehouses for Business Intelligence solutions with Microsoft SQL Server 2014 and additional SQL data services. It covers.

WHAT YOU'LL LEARN

- ◆ Describe data warehouse concepts and architecture considerations
- ◆ Select an appropriate hardware platform for a data warehouse
- ◆ Design and implement a data warehouse
- ◆ Implement Data Flow in an SSIS Package
- ◆ Implement Control Flow in an SSIS Package
- ◆ Debug and Troubleshoot SSIS packages
- ◆ Implement an ETL solution that supports incremental data extraction
- ◆ Implement an ETL solution that supports incremental data loading
- ◆ Implement data cleansing by using Microsoft Data Quality Services
- ◆ Implement Master Data Services to enforce data integrity
- ◆ Extend SSIS with custom scripts and components
- ◆ Deploy and Configure SSIS packages
- ◆ Describe how BI solutions can consume data from the data warehouse

CERTIFICATION & OUTCOME

This course will prepare you for the Exam 70-463: Querying Microsoft SQL Server 2012.

PREREQUISITES

Before taking this course, you should have a minimum of two years of experience with relational databases.
MCSE: Productivity – SharePoint 2016

20339-1: Planning and Administering SharePoint Server 2016

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day Microsoft course will provide the knowledge and skills to plan and administer a Microsoft SharePoint 2016 environment. The course teaches you how to deploy, administer, and troubleshoot your SharePoint environment. This course also provides guidelines, best practices, and considerations that help you optimize your SharePoint deployment. It covers.

WHAT YOU'LL LEARN

- ◆ Describe the key features of SharePoint 2016
- ◆ Design an information architecture for a SharePoint 2016 deployment
- ◆ Design a logical architecture for a SharePoint 2016 deployment

- ◆ Design the physical architecture for a SharePoint 2016 deployment
- ◆ Install and configure SharePoint 2016
- ◆ Create and configure web applications and site collections
- ◆ Plan and configure service applications for a SharePoint 2016 deployment
- ◆ Manage users and permissions, and secure content in a SharePoint 2016 deployment
- ◆ Configure authentication in a SharePoint 2016 deployment
- ◆ Configure platform and farm-level security in a SharePoint 2016 deployment
- ◆ Manage information taxonomy in SharePoint web applications and site collections
- ◆ Configure and manage user profiles and audiences
- ◆ Configure and manage the search experience in SharePoint 2016
- ◆ Monitor, maintain, and troubleshoot a SharePoint 2016 deployment

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Exam 70-339: Managing Microsoft SharePoint Server 2016.

P R E R E Q U I S I T E S

Before taking this course, you should have more than one-year hands-on experience planning and maintaining SharePoint or two years' experience with other core technologies on which SharePoint depends, including Windows Server 2012 R2 or later, Internet Information Services (IIS), Microsoft SQL Server 2014 or later, Active Directory Domain Services (AD DS), and networking infrastructure services.

20339-2: Advanced Technologies of SharePoint 2016

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day Microsoft course will provide the knowledge and skills to plan and administer a Microsoft SharePoint 2016 environment. The course teaches you how to deploy, administer, and troubleshoot your SharePoint environment. This course also provides guidelines, best practices, and considerations that help you optimize your SharePoint deployment. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Describe the core SharePoint 2016 architecture and its new and improved features
- ◆ Describe the key hybrid features in SharePoint 2016
- ◆ Plan and design a SharePoint 2016 environment to meet requirements for high availability and disaster recovery
- ◆ Plan and implement Business Connectivity Services and Secure Store Service
- ◆ Configure and manage productivity services for a SharePoint 2016 deployment
- ◆ Manage solutions in a SharePoint 2016 deployment
- ◆ Plan and configure social computing features

- ◆ Plan and configure web content management for an Internet-facing Ad environment
- ◆ Plan and configure Enterprise Content Management in a SharePoint 2016 deployment
- ◆ Plan and configure business intelligence solutions
- ◆ Plan and configure work management, productivity, and collaboration platforms and features
- ◆ Perform an upgrade or migration to SharePoint 2016

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Exam 70-339: Managing Microsoft SharePoint Server 2016.

P R E R E Q U I S I T E S

Before taking this course, you should have more than one-year hands-on experience planning and maintaining SharePoint or two years' experience with other core technologies on which SharePoint depends, including Windows Server 2012 R2 or later, Internet Information Services (IIS), Microsoft SQL Server 2014 or later, Active Directory Domain Services (AD DS), and networking infrastructure services. MCSE: Productivity - Exchange 2016

20345-1: Administering Microsoft Exchange Server 2016

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day Microsoft course teaches IT professionals how to administer and support Exchange Server 2016. Students will learn how to install Exchange Server 2016, and how to configure and manage an Exchange Server environment. The course covers how to manage mail recipients and public folders, including how to perform bulk operations using Exchange Management Shell. Students also will learn how to manage client connectivity, message transport and hygiene, how to implement and manage highly available Exchange Server deployments, and how to implement back up and disaster recovery solutions. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Perform deployment and basic management of Exchange Server 2016
- ◆ Manage Exchange Server 2016
- ◆ Create and manage various recipient objects in Exchange Server 2016
- ◆ Use Exchange Management Shell to create and manage various recipient objects in Exchange Server 2016, and perform various tasks to automate Exchange management procedures
- ◆ Configure client connectivity to Exchange Server 2016, and manage Client Access services
- ◆ Implement and manage high availability
- ◆ Implement backup and disaster recovery for Exchange Server 2016
- ◆ Configure message transport options
- ◆ Configure message hygiene and security options

- ◆ Implement and manage Exchange Online deployments
- ◆ Monitor and troubleshoot Exchange Server 2016
- ◆ Secure and maintain Exchange Server 2016

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Exam 70-345: Designing and Deploying Microsoft Exchange Server 2016.

P R E R E Q U I S I T E S

This course requires two years of experience working in the IT field--typically in the areas of Windows Server administration, network administration, help desk, or system administration.

20345-2: Designing and Deploying Microsoft Exchange Server 2016

◆ 5 - D A Y | L I V E • I N S T R U C T O R - L E D

This 5-day Microsoft course provides experienced Exchange Server administrators with the knowledge to design and implement an Exchange Server 2016 messaging environment. Students will learn how to design and configure advanced components in an Exchange Server 2016 deployment such as site resiliency, advanced security, compliance, archiving, and discovery solutions. In addition, students will learn about coexistence with other Exchange organizations or Exchange Online, and migration from previous versions of Exchange Server. The course will provide guidelines, best practices, and considerations that will help students optimize their Exchange Server deployment. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Plan for Exchange Server deployments
- ◆ Plan and deploy Exchange Server 2016 Mailbox services
- ◆ Plan and deploy message transport
- ◆ Plan and deploy client access
- ◆ Design and implement high availability
- ◆ Maintain Exchange Server 2016
- ◆ Design messaging security
- ◆ Design and implement message retention
- ◆ Design messaging compliance
- ◆ Design and implement messaging coexistence
- ◆ Upgrade to Exchange Server 2016
- ◆ Plan a hybrid Exchange Server deployment

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Exam 70-345: Designing and Deploying Microsoft Exchange Server 2016.

P R E R E Q U I S I T E S

This course requires two years of experience working in the IT field--typically in the areas of Windows Server administration, network administration, help desk, or system administration. MCSA: Web Applications

20480: Programming in HTML5 with JavaScript and CSS3

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day Microsoft course provides an introduction of fundamental skills and knowledge for using HTML5, CSS3, and JavaScript for application development. Throughout the training, students come to understand how to implement programming logice, use variables, implement looping and branching, and many other programming techniques for creating well-structured applications. Students are exposed to developing web applications and apps for the Windows apps store. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Explain how to use Visual Studio 2012 to create and run a Web application
- ◆ Describe the new features of HTML5, and create and style HTML5 pages
- ◆ Add interactivity to an HTML5 page by using JavaScript
- ◆ Create HTML5 forms by using different input types, and validate user input by using HTML5 attributes and JavaScript code
- ◆ Send and receive data to and from a remote data source by using XMLHttpRequest objects and jQuery AJAX operations
- ◆ Style HTML5 pages by using CSS3
- ◆ Create well-structured and easily-maintainable JavaScript code
- ◆ Use common HTML5 APIs in interactive Web applications
- ◆ Create Web applications that support offline operations
- ◆ Create HTML5 Web pages that can adapt to different devices and form factors
- ◆ Add advanced graphics to an HTML5 page by using Canvas elements, and by using and Scalable Vector Graphics
- ◆ Enhance the user experience by adding animations to an HTML5 page
- ◆ Use Web Sockets to send and receive data between a Web application and a server
- ◆ Improve the responsiveness of a Web application that performs long-running operations by using Web Worker processes

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Exam 70-480: Programming in HTML5 with JavaScript and CSS3.

P R E R E Q U I S I T E S

This course requires an understanding of HTML programming.

20486: Designing ASP.NET 4.5 MVC Web Applications

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day Microsoft course teaches students to develop advanced ASP.NET MVC applications using .NET Framework tools and technologies. The focus will be on coding activities that enhance the performance and scalability of a web application. ASP.NET MVC will be introduced and compared with Web Forms so that students know when each should/could be used. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Describe the Microsoft Web Technologies stack and select an appropriate technology to use to develop any given application
- ◆ Design the architecture and implementation of a web application that will meet a set of functional requirements, user interface requirements, and address business models
- ◆ Create MVC Models and write code that implements business logic within Model methods, properties, and events
- ◆ Add Controllers to an MVC Application to manage user interaction, update models, and select and return Views
- ◆ Create Views in an MVC application that display and edit data and interact with Models and Controllers
- ◆ Run unit tests and debugging tools against a web application in Visual Studio and configure an application for troubleshooting
- ◆ Develop a web application that uses the ASP.NET routing engine to present friendly URLs and a logical navigation hierarchy to users
- ◆ Implement a consistent look and feel, including corporate branding, across an entire MVC web application
- ◆ Use partial page updates and caching to reduce the network bandwidth used by an application and accelerate responses to user requests
- ◆ Write JavaScript code that runs on the client side and utilizes the jQuery script library to optimize the responsiveness of an MVC web application
- ◆ Implement a complete membership system in an MVC web application
- ◆ Build an MVC application that resists malicious attacks and persists information about users and preferences

- ◆ Describe how to write a Microsoft Azure web service and call it from an MVC application
- ◆ Describe what a Web API is and why developers might add a Web API to an application
- ◆ Modify the way browser requests are handled by an MVC application
- ◆ Describe how to package and deploy an ASP.NET MVC web application from a development computer to a web server for staging or production

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Exam 70-486: Developing ASP.NET MVC Web Applications.

P R E R E Q U I S I T E S

This course is intended for web developers who use MS Visual Studio. MCSE: Productivity – Skype for Business 2015

20334: Core Solutions of Microsoft Skype for Business 2015

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day Microsoft course provides students with the knowledge and skills that are required to plan, deploy, configure, and administer a Skype for Business 2015 solution. Students will learn how to deploy a multi-site and highly available Skype for Business infrastructure that supports instant messaging, conferencing, Persistent Chat, archiving, and monitoring. Students will also learn how to manage and maintain the infrastructure and how to troubleshoot issues that might arise. This course focuses primarily on an on-premises Skype for Business deployment, but it does include information on how to integrate an on-premises deployment with Skype for Business Online and how to migrate from previous versions of Lync Server. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Describe the Skype for Business 2015 architecture and design a Skype for Business 2015 topology
- ◆ Install and implement Skype for Business Server 2015
- ◆ Administer Skype for Business Server 2015 by using various tools
- ◆ Configure users and clients in Skype for Business 2015
- ◆ Configure and implement conferencing in Skype for Business 2015
- ◆ Implement additional conferencing options, such as dial-in conferencing, Microsoft Skype Room System (SRS), and Skype Meeting Broadcast
- ◆ Design and implement monitoring and archiving in Skype for Business 2015
- ◆ Deploy Skype for Business 2015 external access
- ◆ Implement Persistent Chat in Skype for Business 2015
- ◆ Implement high availability in Skype for Business 2015

- ◆ Implement disaster recovery in Skype for Business 2015
- ◆ Design and deploy a hybrid Skype for Business environment
- ◆ Plan and implement an upgrade from Lync Server to Skype for Business Server 2015

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Exam 70-334: Core Solutions of Microsoft Skype for Business 2015.

P R E R E Q U I S I T E S

This course requires Proficiency with AS DS, data networks, and telecommunications standards and components that support the configuration of Skype for Business and familiarity with Microsoft Exchange Server and Microsoft Office 365.

20410: Installing and Configuring Windows Server 2012

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is aimed at IT professionals responsible for implementing infrastructure services for Windows Server 2012. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Windows Server 2012 implementation & management
- ◆ Dynamic Host Configuration Protocol (DHCP)IPv6 for basic situations
- ◆ File & print services
- ◆ Creating group policies
- ◆ Server virtualization via Hyper-V
- ◆ Local server storage
- ◆ Implementing Domain Name System (DNS)

C E R T I F I C A T I O N & O U T C O M E

This course is one of three needed for the MCSA Certification.

P R E R E Q U I S I T E S

Before taking this course, you should understand networking fundamentals, AD DS concepts and security best practices. You should also have work experience with Windows client systems and a basic knowledge of server hardware.

20411: Administering Windows Server 2012

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is geared toward IT professionals responsible for implementing, deploying and managing Windows Server 2012. It will teach you how to.

WHAT YOU'LL LEARN

- ◆ Configure & troubleshoot name resolution
- ◆ Manage users with AD DS & Group Policy
- ◆ Implement Remote Access Solutions, including DirectAccess, VPNs & Web Application Proxy
- ◆ Manage network policies, access protection & data security
- ◆ Deploy, maintain & manage Windows Server 2012

CERTIFICATION & OUTCOME

This course is one of three needed for the MCSA Certification.

PREREQUISITES

Before attending this course, you should have basic skills and knowledge of implementing and configuring core Windows Server applications and services. This includes Active Directory Domain Services (AD DS), Networking Services and Hyper-V.

70-412: Configuring Advanced Windows Server 2012 Services

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is intended for IT professionals responsible for administering Windows Server 2012. It teaches you how to.

WHAT YOU'LL LEARN

- ◆ Configure DHCP, DNS & IP Address Manager
- ◆ Plan, implement & deploy AD RMS, AD FS, AD DS & AD CS
- ◆ Deploy & manage Hyper-V virtual machines
- ◆ Implement Network Load Balancing (NLB)
- ◆ Configure & manage iSCSI, BranchCache & FSRM
- ◆ Implement backup & disaster recovery solutions

CERTIFICATION & OUTCOME

This course is one of three needed for the MCSA Certification.

PREREQUISITES

Before taking this course, you should have experience working with Windows Server 2008 and Windows Server 2012. The following courses represent different concentrations of the MSCE Certification.

20740: Install, Storage, & Compute with Windows Server 2016

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is for IT professionals who manage the storage of and compute using Windows Server 2016. Students will learn to understand the scenarios, requirements, and storage and compute options available and applicable to Windows Server 2016. It teaches you how to.

WHAT YOU'LL LEARN

- ◆ Prepare and install Nano Server, a Server Core installation, and plan a server upgrade and migration strategy
- ◆ Describe the various storage options, including partition table formats, basic and dynamic disks, file systems, virtual hard disks, and drive hardware, and explain how to manage disks and volumes
- ◆ Describe enterprise storage solutions, and select the appropriate solution for a given situation
- ◆ Implement and manage Storage Spaces and Data Deduplication
- ◆ Install and configure Microsoft Hyper-V, and configure virtual machines
- ◆ Deploy, configure, and manage Windows and Hyper-V containers
- ◆ Describe the high availability and disaster recovery technologies in Windows Server 2016
- ◆ Plan, create, and manage a failover cluster
- ◆ Implement failover clustering for Hyper-V virtual machines
- ◆ Configure a Network Load Balancing (NLB) cluster, and plan for an NLB implementation
- ◆ Create and manage deployment images
- ◆ Manage, monitor, and maintain virtual machine installations

CERTIFICATION & OUTCOME

This course will prepare you for the Exam 70-740: Installation, Storage, and Compute with Windows Server 2016.

PREREQUISITES

Before taking this course, you should have one-year experience working with Windows Server.

20741: Networking with Windows Server 2016

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is for IT professionals who want to strengthen networking skills with new network technology. Students will learn core and advanced networking knowledge and skills. It teaches you how to.

W H A T Y O U ' L L L E A R N

- ◆ Plan and implement an IPv4 network
- ◆ Implement Dynamic Host Configuration Protocol (DHCP)
- ◆ Implement IPv6
- ◆ Implement Domain Name System (DNS)
- ◆ Implement and manage IP address management (IPAM)
- ◆ Plan for remote access
- ◆ Implement DirectAccess
- ◆ Implement virtual private networks (VPNs)
- ◆ Implement networking for branch offices
- ◆ Configure advanced networking features
- ◆ Implement Software Defined Networking

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Exam 70-741: Networking with Windows Server 2016.

P R E R E Q U I S I T E S

Before taking this course, you should have one year experience working with Windows Server.

20742: Identity with Windows Server 2016

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course teaches IT professionals how to deploy and configure Active Directory Domain Services (AD DS) in a distributed environment, how to implement Group Policy, how to perform backup and restore, and how to monitor and troubleshoot Active Directory-related issues with Windows Server 2016. It teaches you how to.

W H A T Y O U ' L L L E A R N

- ◆ Install and configure domain controllers
- ◆ Manage objects in AD DS by using graphical tools and Windows PowerShell
- ◆ Implement AD DS in complex environments
- ◆ Implement AD DS sites, and configure and manage replication
- ◆ Implement and manage Group Policy Objects (GPOs)
- ◆ Manage user settings by using GPOs
- ◆ Secure AD DS and user accounts
- ◆ Implement and manage a certificate authority (CA) hierarchy with AD CS
- ◆ Deploy and manage certificates

- ◆ Implement and administer AD FS
- ◆ Implement and administer Active Directory Rights Management Services (AD RMS)
- ◆ Implement synchronization between AD DS and Azure AD
- ◆ Monitor, troubleshoot, and establish business continuity for AD DS services

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Exam 70-742: Identity with Windows Server 2016.

P R E R E Q U I S I T E S

Before taking this course, you should have some AD DS knowledge and experience.

20698: Installing and Configuring Windows 10

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course provides IT professionals with the knowledge and skills required to install and configure Windows 10 desktops in a Windows Server small to medium-sized AD DS domain environment. It teaches you how to.

W H A T Y O U ' L L L E A R N

- ◆ Plan, install, and upgrade to Windows 10
- ◆ Perform post-installation configuration
- ◆ Implement networking
- ◆ Implement network security
- ◆ Manage Windows 10 with Group Policy
- ◆ Implement remote management
- ◆ Manage local storage
- ◆ Manage files and resources
- ◆ Install and manage apps
- ◆ Secure Windows 10
- ◆ Implement remote connectivity
- ◆ Maintain and update Windows 10
- ◆ Recover and troubleshoot Windows 10

P R E R E Q U I S I T E S

This course will prepare you for the Exam 70-698: Installing and Configuring Windows 10. There are no prerequisites for this course.

20697-1: Implementing and Managing Windows 10

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course teaches students to install and configure Windows 10 desktops and devices in a Windows Server domain corporate environment. Students will learn to install and customize Windows 10 operating systems and apps, and configure local and remote network connectivity and storage. In addition, they will learn to configure data security, device security, and network security, and maintain, update, and recover Windows 10. It teaches you how to.

WHAT YOU'LL LEARN

- ◆ Describe the important new features of Windows 10
- ◆ Install Windows 10
- ◆ Configure a device running Windows 10
- ◆ Configure network connectivity for a Windows 10 device
- ◆ Manage storage in Windows 10
- ◆ Manage files and printers
- ◆ Manage apps
- ◆ Manage data security
- ◆ Manage device security
- ◆ Implement Windows 10 features to improve network security
- ◆ Monitor and update Windows 10 devices
- ◆ Restore files, roll back drivers, and recover Windows 10 devices

CERTIFICATION & OUTCOME

This course will prepare you for the Exam 70-697: Configuring Windows Devices. Students taking this course should have at least one year of Windows experience.

20697-2: Deploying and Managing Windows 10 Using Enterprise Services

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course teaches students to install and configure Windows 10 desktops and devices in a Windows Server domain corporate environment. Students will learn to install and customize Windows 10 operating systems and apps, and configure local and remote network connectivity and storage. In addition, they will learn to configure data security, device security, and network security, and maintain, update, and recover Windows 10. It teaches you how to.

WHAT YOU'LL LEARN

- ◆ Describe the challenges and solutions for desktop and device management in an enterprise environment
- ◆ Deploy Windows 10 Enterprise desktops
- ◆ Manage user profiles and user state virtualization
- ◆ Manage desktop and application settings using Group Policy
- ◆ Manage Windows 10 sign-in and identity
- ◆ Manage data access for Windows-based devices
- ◆ Manage remote access solutions
- ◆ Manage Windows 10 devices by using enterprise mobility solutions
- ◆ Manage desktop and mobile clients by using Intune
- ◆ Manage updates and Endpoint Protection using Intune
- ◆ Manage application and resource access by using Intune
- ◆ Configure and manage client Hyper-V

CERTIFICATION & OUTCOME

This course will prepare you for the Exam 70-697: Configuring Windows Devices. Students taking this course should have experience with networks that are configured as Windows Server domain-based environments with managed access to the Internet and cloud services.

20533-Implementing Microsoft Azure Infrastructure Solutions

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course teaches students to install and configure Windows 10 desktops and devices in a Windows Server domain corporate environment. Students will learn to install and customize Windows 10 operating systems and apps and configure local and remote network connectivity and storage. In addition, they will learn to configure data security, device security, and network security, and maintain, update, and recover Windows 10. It teaches you how to.

WHAT YOU'LL LEARN

- ◆ Describe Azure architecture components, including infrastructure, tools, and portals
- ◆ Implement and manage virtual networking within Azure and connect to on-premises environments
- ◆ Plan and create Azure virtual machines
- ◆ Configure, manage, and monitor Azure virtual machines to optimize availability and reliability
- ◆ Deploy and configure web apps and mobile apps
- ◆ Implement, manage, backup, and monitor storage solutions
- ◆ Plan and implement data services based on SQL Database to support applications

- ◆ Deploy, configure, monitor, and diagnose cloud services
- ◆ Create and manage Azure AD tenants, and configure application integration with Azure AD
- ◆ Integrate on-premises Windows AD with Azure AD
- ◆ Automate operations in Azure management by using automation

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Exam 70-533: Implementing Microsoft Azure Infrastructure Solutions. Students taking this course should have familiarity with managing on-premises IT deployments.

20535–Architecting Microsoft Azure Solutions

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course is intended for architects who have experience building infrastructure and applications on the Microsoft Azure platform. Students should have a thorough understanding of most services offered on the Azure platform. The students typically work for organizations that have an active solution on Azure and are planning to enhance existing solutions or deploy more solutions to the Azure platform. It teaches you how to.

W H A T Y O U ' L L L E A R N

- ◆ Describe Azure architecture components, including infrastructure, tools, and portals
- ◆ Create and deploy Azure Resource Manager (ARM) templates for various all-up solutions
- ◆ Compare and contrast various infrastructure, serverless, database and communication services; such as App Services, Virtual Machine Scale Sets, Azure Cosmos DB, SQL Database, and Container Service in Azure
- ◆ Incorporate various Azure platform services, such as Cognitive Services and Media Services into an overall Azure solution
- ◆ Secure, monitor and backup solutions deployed to Azure
- ◆ Create automated DevOps solutions using a combination of ARM templates, configuration management utilities, Azure CLI, and the Cloud Shell

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Exam 70-535: Architecting Microsoft Azure Infrastructure Solutions. Students taking this course should have familiarity with managing on-premises IT deployments.

20744 Securing Windows Server 2016

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course teaches IT professionals how they can enhance the security of the IT infrastructure that they administer. This course begins by emphasizing the importance of assuming that network breaches have occurred already, and then teaches you how to protect administrative credentials and rights to help ensure that administrators can perform only the tasks that they need to, when they need to. It teaches you how to.

WHAT YOU'LL LEARN

- ◆ Secure Windows Server
- ◆ Protect credentials and implement privileged access workstations
- ◆ Limit administrator rights with Just Enough Administration
- ◆ Manage privileged access
- ◆ Mitigate malware and threats
- ◆ Analyze activity with advanced auditing and log analytics
- ◆ Deploy and configure Advanced Threat Analytics and Microsoft Operations Management Suite
- ◆ Configure Guarded Fabric virtual machines (VMs)
- ◆ Use the Security Compliance Toolkit (SCT) and containers to improve security
- ◆ Plan and protect data
- ◆ Optimize and secure file services
- ◆ Secure network traffic with firewalls and encryption
- ◆ Secure network traffic by using DNSSEC and Message Analyzer

CERTIFICATION & OUTCOME

This course will prepare you for the Exam 70-744: Securing Windows Server 2016. Students taking this course should have at least two years of experience in the IT field and should have completed courses 740, 741, and 742.

20740: Installation, Storage, and compute with Windows Server 2016

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course teaches IT professionals how they can enhance the security of the IT infrastructure that they administer. This course begins by emphasizing the importance of assuming that network breaches have occurred already, and then teaches you how to protect

administrative credentials and rights to help ensure that administrators can perform only the tasks that they need to, when they need to. It teaches you how to.

WHAT YOU'LL LEARN

- ◆ Prepare and install Nano Server, a Server Core installation, and plan a server upgrade and migration strategy
- ◆ Describe the various storage options, including partition table formats, basic and dynamic disks, file systems, virtual hard disks, and drive hardware, and explain how to manage disks and volumes
- ◆ Describe enterprise storage solutions, and select the appropriate solution for a given situation
- ◆ Implement and manage Storage Spaces and Data Deduplication
- ◆ Install and configure Microsoft Hyper-V
- ◆ Deploy, configure, and manage Windows and Hyper-V containers
- ◆ Describe the high availability and disaster recovery technologies in Windows Server 2016
- ◆ Plan, create, and manage a failover cluster
- ◆ Implement failover clustering for Hyper-V virtual machines
- ◆ Configure a Network Load Balancing (NLB) cluster, and plan for an NLB implementation
- ◆ Create and manage deployment images
- ◆ Manage, monitor, and maintain virtual machine installations

CERTIFICATION & OUTCOME

This course will prepare you for the Exam 70-740: Installation, Storage, and Compute with Windows Server 2016. Students taking this course should have at least one year experience working with Windows Server.

10982: Supporting and Troubleshooting Windows 10

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course addresses the skills and knowledge required to ensure IT professionals are up to the task of supporting and troubleshooting Windows 10. It teaches you how to.

WHAT YOU'LL LEARN

- ◆ Describe the processes involved in planning and using a troubleshooting methodology for Windows 10
- ◆ Troubleshoot startup issues and operating system services on a Windows 10 PC
- ◆ Resolve issues that pertain to hardware devices and device drivers
- ◆ Troubleshoot Windows 10 devices remotely
- ◆ Troubleshoot issues that pertain to network connectivity

- ◆ Troubleshoot client configuration failures and issues with application of Group Policy Objects
- ◆ Troubleshoot issues related to user settings
- ◆ Troubleshoot remote connectivity issues
- ◆ Resolve issues related to accessing resources from devices that are domain-joined
- ◆ Resolve issues related to accessing resources from devices that are not domain-joined
- ◆ Troubleshoot issues that pertain to application installation and operation
- ◆ Maintain a device running Windows 10
- ◆ Recover a device running Windows 10

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you for the Exam 70-697: Configuring Windows Devices. Students taking this course should have experience supporting Windows operating systems.

10961: Automating Administration with Windows PowerShell

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course addresses the skills and experience required for IT professionals must have to manage Windows based servers, automate and oversee multiple Windows servers. It teaches you how to.

W H A T Y O U ' L L L E A R N

- ◆ Understand the basic concepts behind Windows PowerShell
- ◆ Work with the Pipeline
- ◆ Understand How the Pipeline Works
- ◆ Use PSProviders and PSDrives
- ◆ Format Output
- ◆ Use WMI and CIM
- ◆ Prepare for Scripting
- ◆ Moving from a Command to a Script to a Module
- ◆ Administer Remote Computers
- ◆ Put the various Windows PowerShell components together
- ◆ Use Background Jobs and Scheduled Jobs
- ◆ Use Advanced PowerShell Techniques and Profiles

C E R T I F I C A T I O N & O U T C O M E

Students taking this course should have previous Windows Server and Windows Client management experience.

AZ-900T01: Microsoft Azure Fundamentals

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course will provide foundational-level knowledge of cloud services and how those services are provided with Microsoft Azure. The course can be taken as an optional first step in learning about cloud services and Microsoft Azure, before taking further Microsoft Azure or Microsoft cloud services courses. Students will learn to do the following.

WHAT YOU'LL LEARN

- ◆ Students will learn to do the following:
- ◆ Understand general cloud computing concepts
- ◆ Understand core services available with Microsoft Azure
- ◆ Understand security, privacy, compliance, and trust with Microsoft Azure
- ◆ Understand pricing and support models available with Microsoft

CERTIFICATION & OUTCOME

Technical IT experience is not required, however, some general IT knowledge or experience would be beneficial.

MS Certified Azure Administrator

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course teaches IT professionals how to manage their Azure subscriptions, create and scale virtual machines, implement storage solutions, configure virtual networking, back up and share data, connect Azure and on-premises sites, manage network traffic, implement Azure Active Directory, secure identities, and monitor your solution. It teaches you how to.

WHAT YOU'LL LEARN

- ◆ Manage Azure subscriptions and resources
- ◆ Implement and manage storage
- ◆ Deploy and manage virtual machines (VMs)
- ◆ Configure and manage virtual networks
- ◆ Manage identities

CERTIFICATION & OUTCOME

This course will prepare students for the Exam AZ-103: Microsoft Azure Administrator. Students taking this course should have familiarity with managing on-premises IT deployments.

MS Certified Azure Solutions Architect Expert

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course teaches IT professionals to implement and design a Virtual Datacenter in Azure Cloud. It teaches you how to.

WHAT YOU'LL LEARN

- ◆ Deploy and configure infrastructure
- ◆ Implement workloads and security
- ◆ Create and deploy apps
- ◆ Implement authentication and secure data
- ◆ Develop for the cloud and for Azure storage
- ◆ Determine workload requirements
- ◆ Design for identity and security
- ◆ Design a data platform solution
- ◆ Design a business continuity strategy
- ◆ Design for deployment, migration, and integration
- ◆ Design an infrastructure strategy

CERTIFICATION & OUTCOME

This course will prepare students for the Exam AZ-300 and AZ-301: Azure Solutions Architect Expert. Students taking this course should have practical experience with operating systems, virtualization, cloud infrastructure, storage structures, billing, and networking.

AZ-300T01: Deploying and Configuring Infrastructure

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course teaches IT professionals how to manage their Azure resources, including deployment and configuration of virtual machines, virtual networks, storage accounts, and Azure AD that includes implementing and managing hybrid identities. You will also learn how cloud resources are managed in Azure through user and group accounts, and how to grant access to Azure AD users, groups, and services using Role-based access control (RBAC). After completing this course, students will be able to do the following.

WHAT YOU'LL LEARN

- ◆ Manage Azure Subscriptions and Resources
- ◆ Implement and Manage Storage
- ◆ Deploy and Manage VMs
- ◆ Configure and Manage Virtual Networks
- ◆ Manage Identities using Azure Active Directory

CERTIFICATION & OUTCOME

Successful Cloud Solutions Architects begin this role with practical experience with operating systems, virtualization, cloud infrastructure, storage structures, billing, and networking.

AZ-300T02: Implementing Workloads and Security

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course teaches IT professionals how to discover, assess, plan and implement a migration of on-premises resources and infrastructure to Azure. Students will learn how to use Azure Migrate to perform the discovery and assessment phase that is critical to a successful migration. Students will also learn how to use Azure Site Recovery for performing the actual migration of workloads to Azure. The course focuses primarily on using ASR on a Hyper-V infrastructure to prepare and complete the migration process. After completing this course, students will be able to do the following.

WHAT YOU'LL LEARN

- ◆ Evaluate and Perform Server Migration to Azure
- ◆ Implement and Manage Application Services
- ◆ Implement Advanced Virtual Networking
- ◆ Secure Identities using Azure AD

CERTIFICATION & OUTCOME

Successful Cloud Solutions Architects begin this role with practical experience with operating systems, virtualization, cloud infrastructure, storage structures, billing, and networking.

AZ-300T03: Understanding Cloud Architect Technology Solutions

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course teaches IT professionals how operations are done in parallel and asynchronously. And, how your whole enterprise system must be resilient when failures occur, and just as importantly, how deployments can be automated and predictable. By using the Azure Application Architecture Guide and Azure reference architectures as a basis, you will understand how monitoring and telemetry are critical for gaining insight into the system. After completing this course, students will be able to do the following.

WHAT YOU'LL LEARN

- ◆ Design and Connectivity Patterns
- ◆ Hybrid Networking
- ◆ Address Durability of Data and Caching
- ◆ Measure Throughput and Structure of Data Access

CERTIFICATION & OUTCOME

Successful Cloud Solutions Architects begin this role with practical experience with operating systems, virtualization, cloud infrastructure, storage structures, billing, and networking.

AZ-300T04: Creating and Deploying Apps

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course teaches IT professionals how to build Logic App solutions that integrate apps, data, systems, and services across enterprises or organizations by automating tasks and business processes as workflows. Logic Apps is cloud service in Azure that simplifies how you design and create scalable solutions for app integration, data integration, system integration, enterprise application integration (EAI), and business-to-business (B2B) communication, whether in the cloud, on premises, or both. After completing this course, students will be able to do the following.

WHAT YOU'LL LEARN

- ◆ Use shell commands to create an App Service Web App
- ◆ Create Background Tasks
- ◆ Use Swagger to document an API
- ◆ Create a reliable service
- ◆ Create a Reliable Actors app
- ◆ Hands-on with Reliable collections
- ◆ Understand the Azure Container Registry
- ◆ Use Azure Container instances

C E R T I F I C A T I O N & O U T C O M E

Successful Cloud Solutions Architects begin this role with practical experience with operating systems, virtualization, cloud infrastructure, storage structures, billing, and networking.

AZ-300T06: Developing for the Cloud

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course teaches IT professionals how to configure a message-based integration architecture, develop for asynchronous processing, create apps for autoscaling, and better understand Azure Cognitive Services solutions. After completing this course, students will be able to do the following.

W H A T Y O U ' L L L E A R N

- ◆ Configure a message-based integration architecture
- ◆ Develop for Asynchronous Processing
- ◆ Create apps for Autoscaling
- ◆ Understand Azure Cognitive Services Solutions

C E R T I F I C A T I O N & O U T C O M E

Successful Cloud Solutions Architects begin this role with practical experience with operating systems, virtualization, cloud infrastructure, storage structures, billing, and networking.

AZ-301T01: Designing for Identity and Security

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course teaches IT professionals how to manage security and identity within the context of Azure. Also, you'll be introduced to multiple SaaS services available in Azure that for integration into existing Azure solutions. After completing this course, students will be able to do the following.

W H A T Y O U ' L L L E A R N

- ◆ Integrate their existing solutions with external identity providers using Azure AD B2B or B2C
 - ◆ Design a hybrid identity solution
 - ◆ Determine when to use advanced features of Azure AD such as Managed Service Identity, MFA and Privileged Identity Management
 - ◆ Secure application secrets using Key Vault
-

- ◆ Secure application data using SQL Database and Azure Storage features
- ◆ Detail the various APIs available in Cognitive Services
- ◆ Identify when to use the Face API, Speech API or Language Understanding (LUIS) service
- ◆ Describe the relationship to Bot Framework and Azure Bot Services

C E R T I F I C A T I O N & O U T C O M E

Successful Cloud Solutions Architects begin this role with practical experience with operating systems, virtualization, cloud infrastructure, storage structures, billing, and networking.

AZ-301T02: Designing a Data Platform Solution

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course teaches IT professionals to compare and contrast various database options on Azure, identify data streaming options for large-scale data ingest, and identify longer-term data storage options. After completing this course, students will be able to do the following: Determine the ideal pricing option for Azure Storage based on a solution's requirements. Identify performance thresholds for the Azure Storage service. Determine the type of Storage blobs to use for specific solution components.

W H A T Y O U ' L L L E A R N

- ◆ Use the Azure Files service for SMB operations
- ◆ Compare and contrast monitoring services for applications, the Azure platform, and networking
- ◆ Design an alert scheme for a solution hosted in Azure
- ◆ Automate the deployment of future resources for backup recovery or scaling purposes

C E R T I F I C A T I O N & O U T C O M E

Identify solutions that could benefit from the use of StorSimple physical or virtual devices. Select the appropriate backup option for infrastructure and data hosted in Azure. Successful Cloud Solutions Architects begin this role with practical experience with operating systems, virtualization, cloud infrastructure, storage structures, billing, and networking.

AZ-301T03: Designing for Deployment, Migration, and Integration

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course teaches IT professionals to compare and contrast various database options on Azure, identify data streaming options for large-scale data ingest, and identify longer-term data storage options. After completing this course, students will be able to do the following.

WHAT YOU'LL LEARN

- ◆ Create a resource group
- ◆ Add resources to a resource group
- ◆ Deploy an ARM template to a resource group
- ◆ Integrate an API or Logic App with the API Management service
- ◆ Design an App Service Plan or multi-region deployment for high performance and scale
- ◆ Integrate an API or Logic App with the API Management service
- ◆ Design an App Service Plan or multi-region deployment for high performance and scale

CERTIFICATION & OUTCOME

Successful Cloud Solutions Architects begin this role with practical experience with operating systems, virtualization, cloud infrastructure, storage structures, billing, and networking.

AZ-301T04: Designing an Infrastructure Strategy

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course teaches IT professionals to describe DNS and IP strategies for VNets in Azure, compare connectivity options for ad-hoc and hybrid connectivity, distribute network traffic across multiple loads using load balancers, and design a hybrid connectivity scenario between cloud and on-premise. After completing this course, students will be able to do the following.

WHAT YOU'LL LEARN

- ◆ Describe various patterns pulled from the Cloud Design Patterns
- ◆ Distribute network traffic across multiple loads using load balancers
- ◆ Design a hybrid connectivity scenario between cloud and on-premise
- ◆ Design an availability set for one or more virtual machines
- ◆ Describe the differences between fault and update domains
- ◆ Author a VM Scale Set ARM template

CERTIFICATION & OUTCOME

Successful Cloud Solutions Architects begin this role with practical experience with operating systems, virtualization, cloud infrastructure, storage structures, billing, and networking.

AI – 900: Microsoft Azure AI Fundamentals

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course teaches IT professionals how to use Microsoft Azure and artificial intelligence to develop AI solutions. Students will gain a better understanding of artificial intelligence through hands on experience. This course will teach students to.

WHAT YOU'LL LEARN

- ◆ Define artificial intelligence
- ◆ Understand how machine learning works with Azure
- ◆ Identify features of different workloads on Azure

CERTIFICATION & OUTCOME

There are no prerequisites for this course

AI – 100T01: Designing and Implementing an Azure AI Solution

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day, instructor-led course teaches IT professionals how to design Azure AI solutions. Students will learn about artificial intelligence and perform different AI Functions. This course will teach students to.

WHAT YOU'LL LEARN

- ◆ Understand Azure Cognitive Services
- ◆ Perform services such as designing bots and LUIS (Language Understanding Functionality)
- ◆ Implement Azure Cognitive Services

CERTIFICATION & OUTCOME

Prerequisites include completion of AZ- 900T01 – Microsoft Azure Fundamentals and have working knowledge of C# language and Azure storage systems.

AZ – 104T00: Microsoft Azure Administrator

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course teaches IT professionals about the security, networking capabilities, storage features, and virtual networks available in a cloud environment. Students will come out of this course feeling more confident about managing their solutions. This course will teach students to.

W H A T Y O U ' L L L E A R N

- ◆ Manage and secure identifies with Azure Active Directory
- ◆ Implement Azure policies
- ◆ Create subscriptions and accounts
- ◆ Identify tools available to Azure Administrators
- ◆ Implement Virtual networking
- ◆ Understand network traffic
- ◆ Create storage accounts
- ◆ Create apps
- ◆ Develop monitoring solutions

C E R T I F I C A T I O N & O U T C O M E

Students should have working knowledge of operating systems, virtualization, cloud infrastructure, storage structures and networking before taking this course.

AZ – 204T00: Developing solutions for Microsoft Azure

◆ 5 - D A Y | L I V E • I N S T R U C T O R - L E D

This 5-day, instructor-led course was designed to teach all about Azure development protocols. Students will learn about everything about Azure functions and how to manage their solutions. Students will also explore topics such as authentication and authorization, storage features, optimization and more. This course will teach students to.

W H A T Y O U ' L L L E A R N

- ◆ Apply Azure App Service Web Apps
- ◆ Utilize Azure functions
- ◆ Create solutions using different storage features
- ◆ Develop event based and message-based solutions
- ◆ Implement Virtual networking
- ◆ Understand network traffic
- ◆ Implement secure clouds
- ◆ Utilize IaaS solutions
- ◆ Monitor solutions

C E R T I F I C A T I O N & O U T C O M E

Students should have working knowledge of Microsoft Azure and Azure programming language. This course will prepare students for the Azure Developer Associate Certification Exam.

AZ – 220T00: Microsoft Azure IoT Developer

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course will teach students about the cloud and edge services available in an Azure IoT solution. Students will gain knowledge of and learn how to maintain Azure PaaS services, IoT Edge and Azure IoT Central. This course will teach students how to.

W H A T Y O U ' L L L E A R N

- ◆ Understand IoT Hub and how to utilize the IoT Hub to perform different tasks
- ◆ Utilize Azure functions
- ◆ Create solutions using different storage features
- ◆ Develop event based and message-based solutions
- ◆ Identify security issues and security solutions using the Azure Security Center for IoT
- ◆ Develop IoT Edge scenarios with custom modules and marketplace modules
- ◆ Maintain devices
- ◆ Create IoT solutions

C E R T I F I C A T I O N & O U T C O M E

Recommended prerequisites include completion of AZ – 900T01 Microsoft Azure Fundamentals and working knowledge of PaaS, SaaS, IaaS, software development and data processing.

AZ – 303T00: Microsoft Azure Architect Technologies

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course will teach students how to design a solution to reflect integration of business needs and cloud services. Students will learn about topics including: the application infrastructure, virtualization, storage, security, and more. This course will teach students to.

W H A T Y O U ' L L L E A R N

- ◆ Work with Azure Active Directory to set security requirements
- ◆ Utilize identity solutions
- ◆ Identify resources to create and manage monitoring solutions

- ◆ Configure Role Based Access Control and other account features
- ◆ Use different Azure features to implement Administration features
- ◆ Configure interstice connectivity
- ◆ Gain experience with Azure App Service, Container Instances, and Kubernetes

C E R T I F I C A T I O N & O U T C O M E

Recommended prerequisites include completion of AZ – 1040T00: Microsoft Azure Administrator and AZ – 20400T00 Developing Solutions for Microsoft Azure Associate (Developer). This course will prepare you for exam AZ – 303.

AZ – 304T00: Microsoft Azure Architect Design

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course will teach students about the Azure Design functionalities that can be implemented with a design solution. This course will teach students to.

W H A T Y O U ' L L L E A R N

- ◆ Manage solution costs
- ◆ Identify a solution for Conditional Access
- ◆ Demonstrate solutions for hybrid identities
- ◆ Understand Azure Policy
- ◆ Create an Azure Site Recovery solution
- ◆ Provide solutions for auto scanning, containers, network security VM's and databases

C E R T I F I C A T I O N & O U T C O M E

Recommended prerequisites include completion of AZ – 104T00 Microsoft Azure Administrator, AZ – 204T00 Developing Solutions for Microsoft Azure Associate (Developer) and experience with Azure Administration, development and DevOps processes.

AZ – 400T00 Designing and Implementing Microsoft DevOps Solutions

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course was designed to teach students about DevOps solutions and how to implement a DevOps strategy. This course will teach students to.

W H A T Y O U ' L L L E A R N

- ◆ Utilize source controls

- ◆ Understand Git features and how to use them to meet business requirements
- ◆ Manage artifacts
- ◆ Create a project and monitor project performance and schedule
- ◆ Understand and plan for continuous integration
- ◆ Design and utilize security policies
- ◆ Develop a container build strategy
- ◆ Analyze and capture feedback

C E R T I F I C A T I O N & O U T C O M E

Recommended prerequisites include completion of AZ – 900T0I Microsoft Azure Fundamentals (1 Day).

AZ – 500T00 Microsoft Azure Security Technologies

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course will teach students how to create and monitor Azure Security features. Students will learn how to.

W H A T Y O U ' L L L E A R N

- ◆ Manage identify and access controls
- ◆ Access Platform Protection
- ◆ Secure data and applications
- ◆ Understand Azure Policy
- ◆ Manage security Operations
- ◆ Provide solutions for autos caning, containers, network security VM's and databases

C E R T I F I C A T I O N & O U T C O M E

Recommended prerequisites include completion of AZ – 1040T00 Microsoft Azure Administrator, AZ – 900T00 Microsoft Azure Fundamentals, working knowledge of security protocols and familiarity with security best practices. This course will prepare students for exam AZ – 500: Microsoft Azure Security Technologies.

AZ – 900T00 Microsoft Azure Fundamentals

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

This 2-day, instructor-led course will provide students with foundational Microsoft Azure features while offering a hands-on experience. Students will learn how to.

WHAT YOU'LL LEARN

- ◆ Understand Cloud services and features
- ◆ Identify Azure core cloud parts and gain knowledge of services, products and tools
- ◆ Describe principles of Azure security, privacy, compliance and trust
- ◆ Explain Azure pricing and support

PREREQUISITES

There are no prerequisites for this course.

DP – 100T01 Designing and Implementing a Data Science Solution on Azure

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day, instructor-led course will teach students how to Python services to manage a Machine Learning solution in Microsoft Azure. Students will learn how to.

WHAT YOU'LL LEARN

- ◆ Explain Azure Machine Learning
- ◆ Perform experiments using Azure Machine Learning Service
- ◆ Define Data science and work with data
- ◆ Manage and deploy models

CERTIFICATION & OUTCOME

Recommended prerequisites for this course include AZ – 900T01: Microsoft Azure Fundamental (1 Day), experience with Microsoft Azure, Python code, and prior knowledge of data science.

DP – 200T01: Implementing an Azure Data Solution

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day, instructor-led course will give students hands on experience applying business and technical Azure solutions for data platforms. Students will learn how to.

WHAT YOU'LL LEARN

- ◆ Manage Data storage
- ◆ Understand data analytics
- ◆ Analyze relational and No SQL data
- ◆ Monitor and evaluate Azure Solutions

C E R T I F I C A T I O N & O U T C O M E

Recommended prerequisites for this course include AZ – 900T01: Microsoft Azure Fundamental (1 Day),

DP – 201T01: Designing an Azure Data Solution

◆ **2 - DAY** | **LIVE** • **I N S T R U C T O R - L E D**

This 2-day, instructor-led course will give students hands on experience designing business and technical Azure solutions for data platforms. Students will learn how to.

W H A T Y O U ' L L L E A R N

- ◆ Identify Data Platform Architecture Options
- ◆ Describe Architectures for Azure Batch Processing References and Azure Real Time References
- ◆ Explore Security Design Options
- ◆ Design an Azure Solution for resiliency, scale, efficiency and operations

C E R T I F I C A T I O N & O U T C O M E

Recommended prerequisites for this course include AZ – 900T01: Microsoft Azure Fundamental (1 Day),

DP – 300T00: Administering Relational Databases on Microsoft Azure

◆ **4 - DAY** | **LIVE** • **I N S T R U C T O R - L E D**

This 4-day, instructor-led course teaches students how to administer an SQL Server database infrastructure for different platforms. Students will learn to.

W H A T Y O U ' L L L E A R N

- ◆ Plan, deploy, and configure Azure SQL features
- ◆ Evaluate database performance and develop strategies for improvement
- ◆ Develop a High Availability solution

C E R T I F I C A T I O N & O U T C O M E

Recommended prerequisites for this course include AZ – 900T01: Microsoft Azure Fundamental (1 Day), and Microsoft Azure Data Fundamentals.

DP – 900T00: Microsoft Azure Data Fundamentals

◆ 1 - DAY | LIVE • INSTRUCTOR - LED

This 1-day, instructor-led course will teach students how to apply business and technical concepts to a solution using Microsoft Azure Data Services. Students will learn how to.

WHAT YOU'LL LEARN

- ◆ Use relational and non-relational SQL data on Azure
- ◆ Describe cloud data services
- ◆ Explore Azure Data Warehouses

PREREQUISITES

There are no prerequisites for this course.

MS 900T01: Microsoft 365 Fundamentals

◆ 1 - DAY | LIVE • INSTRUCTOR - LED

This 1-day, instructor-led course will teach students foundational knowledge about Microsoft 365 cloud features. Students will also be introduced to Microsoft Azure and learn how to identify differences between Microsoft 365 and Office 365. Students will learn about.

WHAT YOU'LL LEARN

- ◆ Cloud concepts
- ◆ Microsoft 365 teamwork features
- ◆ Microsoft 365 production features
- ◆ Microsoft business and management tools
- ◆ Microsoft 365 security features and compliance capabilities
- ◆ Microsoft 365 licensing and support features

CERTIFICATION & OUTCOME

Students should have experience with networking, computing and cloud concepts.

MS 100T00: Microsoft 365 Identity and Services

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day, instructor-led course combines the objectives of Microsoft 365 Tenant and Service Management, Microsoft 365 Management and Microsoft 365 Identity Management. This course explains concepts of Microsoft 365 enterprise administration. Students will learn how to design, configure and manage their tenant. Students will gain knowledge of Microsoft 365 features, configuring Office client, Microsoft Office 365 ProPlus deployments and implement Azure Active Directory Connect. Students will learn about.

WHAT YOU'LL LEARN

- ◆ How to operate Microsoft 365 Tenant
- ◆ The features and functions available with 365 Tenant
- ◆ How to use Microsoft 365 ProPlus deployments
- ◆ Synchronization capabilities
- ◆ How to implement external access

CERTIFICATION & OUTCOME

Prerequisites for this course include completion of MS 200: Planning and Configuring a Messaging Platform and MS 201: Implementing a Hybrid and Secure Messaging Platform Associate or MS 300: Deploying Microsoft 365 Teamwork Associate and MS 301: Deploying SharePoint Server Hybrid Associate or MS 500T00 Microsoft (M365) Security Administration.

MS 101T00: Microsoft 365 Mobility and Security

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course combines the objectives of Microsoft 365 security Management, Microsoft 365 compliance management and Microsoft 365 device management. Students will learn how to work with Microsoft security features as well as learn how to analyze threats, monitor security, and issue protection and threat intelligence. This course will teach students.

WHAT YOU'LL LEARN

- ◆ How to describe Microsoft 365 Security Metrics, Services and Intelligence
- ◆ How to manage data using Microsoft 365
- ◆ How to manage data with Microsoft 365 Intelligence
- ◆ Deployment capabilities with Microsoft 10
- ◆ How to implement device management

CERTIFICATION & OUTCOME

Prerequisites for this course include completion of MS 200: Planning and Configuring a Messaging Platform and MS 201: Implementing a Hybrid and Secure Messaging Platform Associate or MS 300: Deploying Microsoft 365

Teamwork Associate and MS 301: Deploying SharePoint Server Hybrid Associate or MS 500T00 Microsoft (M365) Security Administration.

MS 203T00: Microsoft 365 Messaging

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course was designed to show students how to manage the messaging system of Microsoft 365. This course will explore topics such as administration, compliance, and hybrid messaging. Students will learn how to.

WHAT YOU'LL LEARN

- ◆ Manage the transport issues pipeline and transport mail flow issues
- ◆ Analyze hygiene
- ◆ Configure messaging settings
- ◆ Work with mobile devices
- ◆ Apply permissions and administrative roles
- ◆ Organize folders
- ◆ Execute mailbox migrations
- ◆ Monitor a hybrid environment

CERTIFICATION & OUTCOME

Prerequisites for this course include MS – 900T01 Microsoft 365 (M365) Fundamentals.

MS 500T00: Microsoft 365 Security Administration

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course teaches students how to implement security technologies and protect information in a Microsoft 365 environment. Students will explore Secure Score, Exchange online protection, Azure Advanced Threat Protection, and Windows Advanced Threat Protection. Students will learn about.

WHAT YOU'LL LEARN

- ◆ Threat protection and mitigation
- ◆ Microsoft's security solutions
- ◆ User and group management

- ◆ Data governance
- ◆ Search protocol and policies

C E R T I F I C A T I O N & O U T C O M E

Recommended prerequisites include completion of MS – 900T01: Microsoft (M365) Fundamentals and experience with Microsoft Azure, Windows 10 and Office 365, computer infrastructure and mobile devices.

MS 700T00: Managing Microsoft Teams

◆ 4 - DAY | LIVE • INSTRUCTOR - LED

This 4-day, instructor-led course will show students how to implement Microsoft Teams into their organization. Students will learn about Microsoft Teams features and how to manage teams and apply teams into their infrastructures. Students will be able to.

W H A T Y O U ' L L L E A R N

- ◆ Understand Microsoft Teams and demonstrate how to use Microsoft Teams features
- ◆ Apply Governance, Security, and compliance
- ◆ Install Microsoft Teams
- ◆ Create teams
- ◆ Develop collaboration and communication tasks

C E R T I F I C A T I O N & O U T C O M E

Students should have experience with Microsoft 365 and have beginner's knowledge of IT practices.

AZ-104T00: Microsoft Azure Administrator

◆ 4 - DAY | LIVE • INSTRUCTOR - LED

This 4-day course teaches IT professionals how to administer Microsoft Azure — managing identities, governance, storage, compute, virtual networking, and monitoring.

W H A T Y O U ' L L L E A R N

- ◆ Azure identity and governance
- ◆ Storage administration
- ◆ Compute (VMs, containers, app services)
- ◆ Virtual networking and load balancing
- ◆ Monitoring and backup

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the AZ-104 exam and the Microsoft Certified: Azure Administrator Associate certification.

P R E R E Q U I S I T E S

Six months of Azure administration experience or equivalent knowledge.

AZ-204T00: Developing Solutions for Microsoft Azure

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course teaches developers how to build Azure-native applications — using Azure storage, compute services, security, integration, and monitoring across the Azure platform.

W H A T Y O U ' L L L E A R N

- ◆ Azure compute solutions (App Service, Functions, containers)
- ◆ Azure storage and database services
- ◆ Azure security and identity
- ◆ Integrating, monitoring, and tuning solutions
- ◆ Connecting to and consuming Azure services

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the AZ-204 exam and the Microsoft Certified: Azure Developer Associate certification.

AZ-305T00: Designing Microsoft Azure Infrastructure Solutions

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day course teaches solutions architects how to design Azure infrastructure — identity, data, business continuity, and infrastructure — to meet business and technical requirements.

W H A T Y O U ' L L L E A R N

- ◆ Identity, governance, and monitoring solutions
- ◆ Data storage solutions
- ◆ Business continuity solutions
- ◆ Infrastructure solutions
- ◆ Cost, security, and operational excellence

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the AZ-305 exam and the Microsoft Certified: Azure Solutions Architect Expert certification.

PREREQUISITES

Strong hands-on Azure experience or AZ-104 certification.

AZ-400T00: Designing and Implementing Microsoft DevOps Solutions

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course teaches DevOps engineers how to plan, implement, and operate Microsoft DevOps practices on Azure — including pipelines, source control, security, and infrastructure as code.

WHAT YOU'LL LEARN

- ◆ Strategy and process design
- ◆ Source control and CI/CD pipelines
- ◆ Infrastructure as code with ARM/Bicep/Terraform
- ◆ Security and compliance in pipelines
- ◆ Monitoring, feedback, and continuous improvement

CERTIFICATION & OUTCOME

Prepares students for the AZ-400 exam and the Microsoft Certified: DevOps Engineer Expert certification.

AZ-500T00: Microsoft Azure Security Technologies

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day course teaches Azure security engineers how to implement, manage, and monitor security controls across identity, platform, data, and applications in Azure.

WHAT YOU'LL LEARN

- ◆ Managing identity and access
- ◆ Platform protection
- ◆ Data and application security
- ◆ Security operations
- ◆ Compliance and governance

CERTIFICATION & OUTCOME

Prepares students for the AZ-500 exam and the Microsoft Certified: Azure Security Engineer Associate certification.

AZ-700: Designing and Implementing Microsoft Azure Network Solutions

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day course teaches networking professionals to design, implement, and maintain Azure networking — including hybrid connectivity, load balancing, segmentation, and monitoring.

WHAT YOU'LL LEARN

- ◆ Core Azure networking infrastructure
- ◆ Hybrid connectivity (VPN, ExpressRoute)
- ◆ Load balancing and traffic management
- ◆ Private access and security
- ◆ Monitoring and troubleshooting

CERTIFICATION & OUTCOME

Prepares students for the AZ-700 exam and the Microsoft Certified: Azure Network Engineer Associate certification.

AZ-900T00: Microsoft Azure Fundamentals

◆ 1 - DAY | LIVE • INSTRUCTOR - LED

This 1-day course is the introductory training for the AZ-900 exam. It is designed for anyone — technical or non-technical — who needs a foundational understanding of cloud concepts and the Azure platform.

WHAT YOU'LL LEARN

- ◆ Cloud concepts
- ◆ Core Azure services and architecture
- ◆ Azure management and governance
- ◆ Pricing and lifecycle management

CERTIFICATION & OUTCOME

Prepares students for the AZ-900 exam and the Microsoft Certified: Azure Fundamentals certification.

AI-102: Designing and Implementing an Azure AI Solution

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day course teaches AI engineers how to build AI applications on Azure using Cognitive Services and Azure AI Studio — including vision, language, speech, and decision-making services.

WHAT YOU'LL LEARN

- ◆ Designing Azure AI solutions
- ◆ Implementing computer vision and speech
- ◆ Implementing natural language processing
- ◆ Implementing knowledge mining and decision support
- ◆ Responsible AI on Azure

CERTIFICATION & OUTCOME

Prepares students for the AI-102 exam and the Microsoft Certified: Azure AI Engineer Associate certification.

AI-900T00: Microsoft Azure AI Fundamentals

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day course is the introductory training for the AI-900 exam. It covers fundamental AI concepts and the Azure services that bring AI to business solutions.

WHAT YOU'LL LEARN

- ◆ AI workloads and considerations
- ◆ Machine learning fundamentals on Azure
- ◆ Computer vision, NLP, and conversational AI
- ◆ Generative AI services on Azure

CERTIFICATION & OUTCOME

Prepares students for the AI-900 exam and the Microsoft Certified: Azure AI Fundamentals certification.

DP-900T00: Microsoft Azure Data Fundamentals

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day course is the introductory training for the DP-900 exam, covering the core data concepts and the Azure data services that support modern data workloads.

WHAT YOU'LL LEARN

- ◆ Core data concepts
- ◆ Relational data on Azure
- ◆ Non-relational data on Azure
- ◆ Modern data warehousing and analytics

CERTIFICATION & OUTCOME

Prepares students for the DP-900 exam and the Microsoft Certified: Azure Data Fundamentals certification.

DP-100: Designing and Implementing a Data Science Solution on Azure

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day course teaches data scientists how to build and operationalize machine-learning solutions on Azure using Azure Machine Learning.

WHAT YOU'LL LEARN

- ◆ Designing ML solutions on Azure
- ◆ Data preparation and feature engineering
- ◆ Model training and tuning with Azure ML
- ◆ Operationalizing models and pipelines
- ◆ Responsible ML on Azure

CERTIFICATION & OUTCOME

Prepares students for the DP-100 exam and the Microsoft Certified: Azure Data Scientist Associate certification.

DP-300: Administering Microsoft Azure SQL Solutions

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day course covers the administration of Azure SQL — security, performance, business continuity, and automation across managed SQL services.

WHAT YOU'LL LEARN

- ◆ Planning and implementing Azure SQL
- ◆ Security and access

- ◆ Monitoring and performance tuning
- ◆ High availability and disaster recovery
- ◆ Automation and DevOps for data

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the DP-300 exam and the Microsoft Certified: Azure Database Administrator Associate certification.

MS-102: Microsoft 365 Administrator

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course teaches the administration of Microsoft 365 — tenants, identities, security, compliance, and core M365 workloads.

W H A T Y O U ' L L L E A R N

- ◆ Microsoft 365 tenant and service management
- ◆ Identity synchronization and Entra ID
- ◆ Threat protection across M365
- ◆ Compliance, retention, and DLP
- ◆ Workload management (Exchange, Teams, SharePoint)

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the MS-102 exam and the Microsoft 365 Certified: Administrator Expert certification.

MS-900: Microsoft 365 Fundamentals

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day course is the introductory training for the MS-900 exam. It covers cloud concepts and the Microsoft 365 product family.

W H A T Y O U ' L L L E A R N

- ◆ Cloud concepts
- ◆ Core Microsoft 365 services
- ◆ Security, compliance, and trust in M365
- ◆ Pricing, licensing, and support

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the MS-900 exam and the Microsoft 365 Certified: Fundamentals certification.

MD-102: Microsoft 365 Endpoint Administrator

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course teaches modern endpoint administration across Windows and mobile devices using Microsoft Intune, Entra ID, and Windows Autopilot.

W H A T Y O U ' L L L E A R N

- ◆ Modern endpoint deployment and provisioning
- ◆ Identity and compliance
- ◆ Application deployment and management
- ◆ Endpoint security and protection
- ◆ Monitoring and reporting

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the MD-102 exam and the Microsoft 365 Certified: Endpoint Administrator Associate certification.

MS-700: Managing Microsoft Teams

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day course teaches the administration of Microsoft Teams — including planning, deployment, identity, security, compliance, and ongoing operations.

W H A T Y O U ' L L L E A R N

- ◆ Planning and configuring Teams
- ◆ Identity, lifecycle, and governance
- ◆ Chat, channels, and apps
- ◆ Meetings, calling, and voice
- ◆ Security, compliance, and monitoring

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the MS-700 exam and the Microsoft 365 Certified: Teams Administrator Associate certification.

MS-4004: Empower your workforce with Microsoft 365 Copilot Use Cases

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day workshop helps organizations identify and prioritize the highest-value Microsoft 365 Copilot use cases for their workforce.

WHAT YOU'LL LEARN

- ◆ M365 Copilot capabilities overview
- ◆ Identifying high-value use cases
- ◆ Designing rollout and change-management plans
- ◆ Measuring adoption and value

CERTIFICATION & OUTCOME

Workshop-style training; no certification exam.

AB-100T00: Architecting Agentic AI Business Solutions

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day Microsoft course teaches architects how to design agentic AI business solutions on the Microsoft stack — Copilot, Azure AI, and integration patterns across enterprise systems.

WHAT YOU'LL LEARN

- ◆ Agentic architecture fundamentals on Microsoft
- ◆ Designing for Copilot extensibility
- ◆ Integration with line-of-business systems
- ◆ Governance, security, and responsible AI
- ◆ Operational deployment patterns

CERTIFICATION & OUTCOME

Prepares students for the AB-100 exam.

I N F O R M A T I O N T E C H N O L O G Y

RED HAT COURSES

LIVE TRAINING • EXPERT INSTRUCTORS • REAL RESULTS

RH 124: Red Hat System Administration I

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is aimed at systems administrators with the fundamental skills and tools to perform systems administrator tasks in a Red Hat environment. This course will teach you how to.

WHAT YOU'LL LEARN

- ◆ Navigate the command line
- ◆ Manage physical storage
- ◆ Install & configure software components & services
- ◆ Establish network connections & firewall access
- ◆ Monitor & manage processes
- ◆ Manage & secure files
- ◆ Administrate users and groups
- ◆ Access Linux file systems
- ◆ Install & use virtualized systems
- ◆ Review system log files & journal

PREREQUISITES

This course will prepare you for RH134 Red Hat System Administration II training course. After completing both courses, students can then take the RHCSA certification exam. There are no prerequisites for this course. However, we recommend that candidates hold basic systems administration experience and familiarity with Linux operating systems.

RH 134: Red Hat System Administration II

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is aimed at junior Linux, network and systems administrators seeking their RHCSA certification. Students will learn.

WHAT YOU'LL LEARN

- ◆ Essential Linux tools
- ◆ Operations for running systems
- ◆ Local storage configuration

- ◆ Creating and configuring file systems
- ◆ Users and groups management
- ◆ Security management

PREREQUISITES

This course will prepare you to take the RHCSA certification exam. There are no prerequisites for this course. However, we recommend that candidates hold basic systems administration experience and familiarity with Linux operating systems.

RH 199: RHCSA Rapid Track

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is aimed at junior Linux, network and systems administrators seeking their RHCSA certification. Students will learn.

WHAT YOU'LL LEARN

- ◆ Essential Linux tools
- ◆ Operations for running systems
- ◆ Local storage configuration
- ◆ Creating and configuring file systems
- ◆ Users and groups management
- ◆ Security management

PREREQUISITES

This course will prepare you to take the RHCSA certification exam. There are no prerequisites for this course. However, we recommend that candidates hold basic systems administration experience and familiarity with Linux operating systems.

RH 254: Red Hat System Administration III

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is aimed at experienced Linux system administrators and RHCSA certification holders seeking their RHCE. Students will learn.

WHAT YOU'LL LEARN

- ◆ Systems configuration and management
- ◆ Network services

- ◆ HTTP/HTTPS
- ◆ DNS
- ◆ Network file system (NFS)
- ◆ Server message block (SMB)
- ◆ SMTP
- ◆ Secure shell (SSH)
- ◆ Network time protocol (NTP)
- ◆ Database services

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you to take the RHCE certification exam.

P R E R E Q U I S I T E S

Candidates should hold a RHCSA certification or equivalent experience.

RH 299: RHCE Rapid Track Course

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course combines RHCSA Rapid Track Course and Red Hat System Administration III aimed at experienced Linux and Solaris users who want a lab based review prior to sitting for the RHCE exam. Students will learn.

W H A T Y O U ' L L L E A R N

- ◆ Essential Linux tools
- ◆ Operations for running systems
- ◆ Local storage configuration
- ◆ Creating and configuring file systems
- ◆ Users and groups management
- ◆ Security management
- ◆ Systems configuration and management
- ◆ Network services
- ◆ HTTP/HTTPS
- ◆ DNS
- ◆ Network file system (NFS)
- ◆ Server message block (SMB)
- ◆ SMTP
- ◆ Secure shell (SSH)

- ◆ Network time protocol (NTP)
- ◆ Database services

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you to take the RHCE certification exam.

P R E R E Q U I S I T E S

Candidates should hold a RHCSA certification or equivalent experience.

RH 318: Red Hat Enterprise Virtualization

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is aimed at Linux system administrators who manage enterprise servers and VMs, as well as professionals seeking a RHCVA certification. Students will learn how to.

W H A T Y O U ' L L L E A R N

- ◆ Install Red Hat enterprise virtualization manager and dependencies
- ◆ Utilize Red Hat enterprise virtualization manager
- ◆ Install and configure Red Hat
- ◆ Virtualization Hypervisor to support guests and attach Red Hat enterprise virtualization manager
- ◆ Import installation media to build virtual machines
- ◆ Execute management tasks such as collecting logs, developing bookmarks for events

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you to take the Red Hat Certified Virtualization Administrator certification exam.

P R E R E Q U I S I T E S

Candidates should hold a RHCSA certification or equivalent experience.

RH 401: Red Hat Enterprise Deployment and Systems Management

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is aimed at senior Red Hat enterprise Linux (RHEL) system administrators. Students will learn how to.

W H A T Y O U ' L L L E A R N

- ◆ Configure Red Hat Network (RHN) satellite server
- ◆ Child channels of base channels

- ◆ RHN user types
- ◆ Groups and adding group administrators
- ◆ Configuration channelsCustom RPM spec files
- ◆ Build binary RPM with provided source code
- ◆ Create activation keysRPMs to RHN satellite server
- ◆ Configure errataAssign groups, software channels and configuration channels to activation keys
- ◆ Kickstart and provision RHN satellite server clients
- ◆ SVN version control repository
- ◆ Cobbler
- ◆ Manage virtual machines

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you to take the Red Hat Certificate of Expertise in Deployment and Systems Management certification exam.

P R E R E Q U I S I T E S

Candidates should hold a RHCE certification or equivalent experience.

RH 413: Red Hat Server Hardening

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is aimed at IT professionals seeking stronger knowledge in RHEL security, implementing RHEL system security and managing security-critical OS and software updates. Students will learn.

W H A T Y O U ' L L L E A R N

- ◆ Review errata and apply them to Red Hat Enterprise Linux
- ◆ Use special permissions and file system access control lists
- ◆ Manage users and password-aging policy requirements
- ◆ Install and configure Red Hat Identity Management tools
- ◆ Understand system auditing

C E R T I F I C A T I O N & O U T C O M E

This course will prepare you to take the Red Hat Certificate of Expertise in Server Hardening certification exam.

P R E R E Q U I S I T E S

Candidates should hold RHCSA and RHCE certifications or equivalent experience.

RH 442: Red Hat Enterprise Performance Tuning

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is geared toward experienced Linux system administrators. Students will learn.

WHAT YOU'LL LEARN

- ◆ Tuning for use-case scenarios (for example, HPC, large memory, database, and file server)
- ◆ Tuning for power consumption
- ◆ Tuning virtual machines (host and guest)
- ◆ Tuning memory and caches
- ◆ Tuning CPU and memory utilization using cgroups
- ◆ Gathering performance metrics and other data for tuning purposes

CERTIFICATION & OUTCOME

This course will prepare you to take the Red Hat Certificate of Expertise in Performance Tuning certification exam.

PREREQUISITES

Candidates should hold a RHCE certification or equivalent experience.

RH 436: Red Hat Enterprise Clustering and Storage Management

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is aimed at IT professionals seeking stronger knowledge in RHEL security, implementing RHEL system security and managing security-critical OS and software updates. Students will learn how to.

WHAT YOU'LL LEARN

- ◆ Configure high-availability clusters using physical and virtual systems
- ◆ Manage logical volumes in clustered environments
- ◆ Configure GFS file systems
- ◆ Configure iSCSI target and initiators
- ◆ Manage device configuration with UDEV

JB 225: JBoss Enterprise Application Development

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is aimed at Linux systems administrators who manage enterprise servers and VMs, as well as, professionals seeking a RHCVA certification. Students will learn how to.

WHAT YOU'LL LEARN

- ◆ Build robust enterprise applications using JBoss middleware
- ◆ Build secure enterprise applications
- ◆ Integrate applications with back-end enterprise information and messaging systems
- ◆ Test with Arquillian
- ◆ Use Contexts and Dependency Injection (CDI) for seamless multitier applications
- ◆ Understand administration tasks for developers
- ◆ Leverage JBoss Developer Studio tools

CERTIFICATION & OUTCOME

This course will prepare you to take the Red Hat Certified Virtualization Administrator certification exam.

PREREQUISITES

Candidates should hold a RHCSA certification or equivalent experience.

JB 248: JBoss Application Administration I

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is aimed at systems administrators without much experience with Red Hat JBoss or those fluent in version 5 and wanting to master the new application platform 6. Students will learn how to: Install and manage JBoss enterprise application platform Configure JBoss EPA domains, hosts and servers Configure JBoss EPA to support clustered and HA operation Manage and monitor JBoss EPAs Configure for Java messaging service (JMS) Manage applications Configure JBoss web connectors

JB 325: JBoss Enterprise Application Development II

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is aimed at Java developers and Java architects. Students will learn how to.

WHAT YOU'LL LEARN

- ◆ Developing advanced web applications
- ◆ Developing for JBoss EAP 6
- ◆ Extensive review of web services
- ◆ Securing Java EE applications
- ◆ Performance tuning

CERTIFICATION & OUTCOME

There is no exam associated with this course.

PREREQUISITES

Candidates should have experience with Java programming and Java EE, at least 2 years with each.

JB 437: JBoss A-MQ Development and Deployment

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

This 2-day, instructor-led course is for Java developers and architects. Students will learn.

WHAT YOU'LL LEARN

- ◆ Topologies
- ◆ Protocols
- ◆ Message groups virtual destinations
- ◆ Failover
- ◆ High availability

CERTIFICATION & OUTCOME

There is no exam associated with this course.

PREREQUISITES

Candidates should have a strong grasp of Java concepts and terminology.

JB 348: JBoss Application Administration

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is for systems administrators who manage the deployment and administration of JBoss Enterprise Application Platform 6. Through this course, students will learn.

WHAT YOU'LL LEARN

- ◆ Install JBoss Enterprise Application Platform 6 and optional components
- ◆ Learn about clustering with an emphasis on tuning
- ◆ Deploy to production and cloud environments
- ◆ Script with CLI
- ◆ Monitor and manage resources for Enterprise Application Platform
- ◆ Manage, cluster, and tune a HornetQ messaging system
- ◆ Configure security settings that include authentication, authorization, networking, and the management interfaces

CERTIFICATION & OUTCOME

There is no exam associated with this course.

PREREQUISITES

Candidates should have completed JBoss Application Administration and received RHCJA for Enterprise Application Platform 6.

CL 210: Red Hat OpenStack Administration

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is for Linux, and cloud systems administrators and RHCSA holders. Students will learn: An overview of the Red Hat Enterprise Linux OpenStack Platform architecture Install Red Hat Enterprise Linux OpenStack Platform using packstack and Foreman Deploy each Red Hat Enterprise Linux OpenStack Platform service manually Manage users and projects Deploy instances, and use Heat to deploy and customize instances This course prepares you for the Red Hat Certified Administrator in OpenStack exam. There are no prerequisites for this course. However, relevant certifications or equivalent experience is helpful.

CL 275: OpenShift Enterprise Application Development

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

This 2-day, instructor-led course is for Java and Python developers, system administrators with developer skills and DevOps professionals. Students will learn.

WHAT YOU'LL LEARN

- ◆ Create Python applications using rhc
- ◆ Create JBoss applications using Red Hat JBoss Developer Studio
- ◆ Create cartridges to expand OpenShift Enterprise capabilities
- ◆ Troubleshoot problems in OpenShift Enterprise environment
- ◆ Identify performance problems

CERTIFICATION & OUTCOME

There is no exam associated with this training course.

PREREQUISITES

Candidates should have systems administration and Java and Python programming skills.

CL 280: OpenShift Enterprise Administration

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

This 2-day, instructor-led course is for Linux system administrators, storage administrators and RHCE professionals. Students will learn to.

WHAT YOU'LL LEARN

- ◆ Deploy OpenShift Enterprise infrastructure
- ◆ Deploy OpenShift Enterprise node
- ◆ Monitor OpenShift Enterprise infrastructure
- ◆ Deploy applications to OpenShift Enterprise
- ◆ Customize application platforms
- ◆ Manage applications running on OpenShift Enterprise
- ◆ Manage deployment environments
- ◆ Configure automatic and manual scaling for OpenShift Enterprise applications
- ◆ Obtain usage analytics

CERTIFICATION & OUTCOME

This course prepares students for the Red Hat Certificate of Expertise in Platform-as-a-Service certification exam.

PREREQUISITES

Candidates should have the RHCSA and RHCE certifications or the equivalent knowledge.

RH199: RHCSA Rapid Track

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day rapid-track course condenses Red Hat System Administration I (RH124) and II (RH134) into a single intensive program for experienced Linux administrators preparing for the RHCSA exam.

WHAT YOU'LL LEARN

- ◆ System administration tasks at the command line
- ◆ User, group, and permission management
- ◆ Storage, filesystems, and networking
- ◆ Security and SELinux basics
- ◆ Automation and scheduled tasks

CERTIFICATION & OUTCOME

Prepares students for the Red Hat Certified System Administrator (RHCSA) exam (EX200).

PREREQUISITES

Prior Linux or Unix administration experience is strongly recommended.

Red Hat System Administration III: Linux Automation (RH294)

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day course teaches Linux administrators to automate routine system-administration tasks across many systems using Red Hat Ansible Automation Platform.

WHAT YOU'LL LEARN

- ◆ Ansible fundamentals and architecture
- ◆ Writing and running playbooks
- ◆ Managing variables, inclusions, and roles
- ◆ Automating typical admin tasks
- ◆ Troubleshooting Ansible at scale

CERTIFICATION & OUTCOME

Prepares students for the Red Hat Certified Engineer (RHCE) exam (EX294).

PREREQUISITES

RHCSA or equivalent skills.

Red Hat Security: Linux in Physical, Virtual and Cloud (RH415)

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day course teaches experienced Linux administrators how to harden Red Hat Enterprise Linux systems across physical, virtual, and cloud environments, including OpenSCAP-based compliance automation.

WHAT YOU'LL LEARN

- ◆ System hardening fundamentals
- ◆ OpenSCAP and policy automation
- ◆ Identity and access management
- ◆ Auditing and monitoring
- ◆ Hardening across virtualization and cloud

CERTIFICATION & OUTCOME

Prepares students for the Red Hat Certified Specialist in Security: Linux exam (EX415).

PREREQUISITES

RHCSA or equivalent skills; RHCE recommended.

INFORMATION TECHNOLOGY

VMWARE COURSES

VMware vSphere: Install, Configure, Manage (Version 6.0) (VICM)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is for system administrators and system engineers. Students will learn to.

WHAT YOU'LL LEARN

- ◆ Deploy an ESXi host and create virtual machines
 - ◆ Describe vCenter Server architecture
 - ◆ Deploy a vCenter Server instance or VMware vCenter Server Appliance
 - ◆ Use vCenter Server to manage an ESXi host
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- ◆ Configure and manage vSphere infrastructure with VMware vSphere Client and VMware vSphere Web Client
- ◆ Configure virtual networks with vSphere standard switches
- ◆ Use vCenter Server to manage various types of host storage
- ◆ Manage virtual machines, templates, clones, and snapshots
- ◆ Create a vApp
- ◆ Describe and use the content library
- ◆ Migrate virtual machines with VMware vSphere vMotion
- ◆ Use VMware vSphere Storage vMotion to migrate virtual machine storage
- ◆ Monitor resource usage and manage resource pools
- ◆ Use VMware vRealize Operations Manager to identify and solve issues through analytics and alerts
- ◆ Manage VMware vSphere High Availability and VMware vSphere Data Protection to replicate virtual machines perform data recovery
- ◆ Use VMware vSphere Distributed Resource Scheduler clusters to improve host scalability
- ◆ Use VMware vSphere Update Manager to apply patches
- ◆ Perform basic troubleshooting of ESXi hosts, virtual machines, and vCenter Server operations

PREREQUISITES

Candidates should have the system administration experience on MS Windows or Linux operating systems.

VMware vSphere: Install, Configure, Manage [V6.5] (VICM6.5)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is for system administrators and system engineers. Students will learn to.

WHAT YOU'LL LEARN

- ◆ Describe the software defined data center
- ◆ Explain the vSphere components and their function in the infrastructure
- ◆ Deploy an ESXi host
- ◆ Deploy VMware vCenter Server Appliance
- ◆ Use a local content library as an ISO store and deploy a virtual machine
- ◆ Describe vCenter Server architecture
- ◆ Use vCenter Server to manage an ESXi host
- ◆ Describe virtual networks with vSphere infrastructure with VMware vSphere
- ◆ Configure standard switch policies
- ◆ Use vCenter Server to manage various types of host storage

- ◆ Manage virtual machines, templates, clones, and snapshots
- ◆ Create, clone and export a vApp
- ◆ Describe and use the content library
- ◆ Migrate virtual machines with VMware vSphere Storage vMotion to migrate virtual machine storage
- ◆ Use VMware vSphere Storage vMotion to migrate virtual machine storage
- ◆ Monitor resource usage and manage resource pools
- ◆ Use esxtop to identify and solve performance issues
- ◆ Discuss the VMware vSphere High Availability cluster architecture
- ◆ Configure vSphere HA
- ◆ Manage vSphere HA and VMware vSphere Fault Tolerance
- ◆ Use VMware vSphere Replication and VMware vSphere Data protection to protect virtual and perform data recovery
- ◆ Use VMware vSphere Distributed Resource Scheduler cluster to improve host scalability
- ◆ Use VMware vSphere Update Manager to apply patches and perform basic troubleshooting of ESXi hosts, virtual machines and vCenter Server Operations

PREREQUISITES

Candidates should have the system administration experience on MS Windows or Linux operating systems

INFORMATION TECHNOLOGY

NETAPP COURSES

Managing NAS Performance on Clustered Data ONTAP (NASPAD)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is for professionals who manage NetApp storage systems and need a deeper understanding of protocols and performance in a clustered Data ONTAP environment. Students will learn to:

WHAT YOU'LL LEARN

- ◆ Define and describe NFS protocol versions
- ◆ Configure clustered ONTAP 9 for NFSv3, NFSv4, and NFSv4.1 with parallel NFS (pNFS)
- ◆ Configure Kerberos in a Linux and NetApp ONTAP 9 environment using Windows Active Directory authentication
- ◆ Discuss performance management and troubleshooting for NetApp storage systems and clients

- ◆ Explain the CIFS and SMB protocol
- ◆ Demonstrate the Windows PowerShell CLI
- ◆ Configure SMB features using ONTAP 9 software
- ◆ Create and manage SMB shares and sessions
- ◆ Secure SMB sessions
- ◆ Configure ONTAP for multiprotocol data access
- ◆ Discuss SMB advanced topics, such as opportunistic locks (oplocks), BranchCache, auditing, group policy, automatic home shares, symbolic links (symlinks), and widelinks
- ◆ Describe how data flows through the network and protocol layers of clustered Data ONTAP
- ◆ Define performance-related terms and describe basic methodologies
- ◆ Identify the methods that can be used to monitor and analyze storage system performance
- ◆ Explain how methods and tools can be used to collect performance data
- ◆ Use command output to analyze system performance
- ◆ Use command output from case studies to identify performance bottlenecks
- ◆ Implement configuration for recommended practices for resiliency and performance
- ◆ Locate resources and information that help you maximize system performance

P R E R E Q U I S I T E S

Candidates should have ONTAP Cluster Administration and Data Protection Bundle.

ONTAP 9 Cluster Administration (ONTAP9ADM)

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day class teaches basic administration and configuration of an ONTAP cluster. Students will learn how to do the following.

W H A T Y O U ' L L L E A R N

- ◆ Describe how ONTAP fits into the NetApp Cloud and Data Fabric strategy
- ◆ Identify supported ONTAP configurations
- ◆ Create a cluster
- ◆ Manage ONTAP administrators
- ◆ Configure and manage storage resources
- ◆ Configure and manage networking resources
- ◆ Create and configure a storage virtual machine (SVM)
- ◆ Create and manage FlexVol volumes
- ◆ Implement storage efficiency features
- ◆ Create protocol servers with an SVM

- ◆ Upgrade and revert ONTAP patches and releases

PREREQUISITES

There are no prerequisites for this course.

ONTAP 9 Cluster Administration and Data Protection Bundle (CDOTDP9)

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

This 5-day class teaches basic administration and configuration of an ONTAP cluster. Students will learn how to do the following.

WHAT YOU'LL LEARN

- ◆ Describe how ONTAP 9 fits into NetApp's Cloud and Data Fabric strategy
- ◆ Identify supported ONTAP platforms
- ◆ Define ONTAP cluster components
- ◆ Create a cluster
- ◆ Manage ONTAP administrators
- ◆ Configure and manage storage resources
- ◆ Configure and manage networking resources
- ◆ Describe a Storage Virtual Machine's (SVM's) role in NetApp's storage architecture
- ◆ Create and configure an SVM
- ◆ Create and manage FlexVols
- ◆ Implement storage efficiency features
- ◆ Create protocol servers within an SVM
- ◆ Upgrade and revert ONTAP patches and releases
- ◆ Describe the levels on which ONTAP protects data
- ◆ Describe the ONTAP 9 data protection features
- ◆ Understand the various data mirroring relationships available with ONTAP 9
- ◆ Configure and operate SnapMirror and SnapVault data replication
- ◆ Demonstrate Storage Virtual Machine data protection
- ◆ Explain the components and configuration involved with SyncMirror and MetroCluster
- ◆ Describe NDMP protocol operation, configuration and management

PREREQUISITES

There are no prerequisites for this course.

ONTAP 9 Data Protection Administration (DATAPROT9)

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

This 2-day class teaches basic administration and configuration of an ONTAP cluster. Students will learn how to do the following.

WHAT YOU'LL LEARN

- ◆ Describe NetApp protection technology and the NetApp integrated data protection solutions that are supported in ONTAP 9
- ◆ Design, implement, and manage ONTAP 9 SnapMirror replication
- ◆ Perform storage virtual machine disaster recovery setup and operation
- ◆ Design, implement, and manage ONTAP 9 SnapVault replication
- ◆ Use the OnCommand System Manager to set up and manage backup and restore operation
- ◆ Explain the components and configuration involved with SyncMirror and MetroCluster
- ◆ Describe how SyncMirror software can be used to protect data at the aggregate level
- ◆ Describe how to implement the NDMP protocol in ONTAP 9 software

PREREQUISITES

There are no prerequisites for this course.

I N F O R M A T I O N T E C H N O L O G Y

FITSI COURSES

FITSP Auditor Certification

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day certification training prepares the federal workforce, such as federal employees and contractors, to successfully and effectively audit operational, technical and management IT security controls. This course prepares students to pass the FITSP Auditor certification exam. At least five years of general information systems security experience in the public or private sectors.

FITSP Designer Certification

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day certification training emphasizes the skills necessary for designing and developing management, operational and technical IT systems. This course prepares students to pass the FITSP Designer certification exam. At least five years of general information systems security experience in the public or private sectors.

FITSP Manager Certification

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day certification training centers on the critical skills for overseeing and managing security controls of Federal information systems. This course prepares students to pass the FITSP Manager certification exam. At least five years of general information systems security experience in the public or private sectors.

FITSP Operator Certification

LIVE • INSTRUCTOR-LED

This five-day instructor-led FITSP Operator certification training is designed for federal employees and contractors who implement and operate systems controlled by the United States Federal Government. This course prepares students to pass the FITSP Operator certification exam. At least five years of general information systems security experience in the public or private sectors.

I N F O R M A T I O N T E C H N O L O G Y

CITRIX COURSES

CVAD-201: Citrix Virtual Apps and Desktops Administration (2402 LTSR)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course teaches the day-to-day administration of Citrix Virtual Apps and Desktops 2402 LTSR — site configuration, application delivery, image management, and end-user support.

WHAT YOU'LL LEARN

- ◆ CVAD architecture and components
- ◆ Sites, machine catalogs, and delivery groups
- ◆ Image management with MCS
- ◆ Application delivery and FAS
- ◆ Monitoring, troubleshooting, and support

CERTIFICATION & OUTCOME

Supports the Citrix Certified Associate – Virtualization (CCA-V) certification track.

CVAD-301: Citrix Virtual Apps and Desktops Advanced Administration (2402 LTSR)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course extends CVAD-201 with the advanced configuration, sizing, troubleshooting, and disaster-recovery skills needed to operate large Citrix Virtual Apps and Desktops environments.

WHAT YOU'LL LEARN

- ◆ Advanced provisioning and image strategies
- ◆ Performance, sizing, and scaling
- ◆ High availability and disaster recovery
- ◆ Advanced troubleshooting
- ◆ Securing CVAD deployments

CERTIFICATION & OUTCOME

Supports the Citrix Certified Professional – Virtualization (CCP-V) certification.

PREREQUISITES

CVAD-201 or equivalent CVAD administration experience.

CWS-255: Citrix DaaS Deployment and Administration

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course teaches the deployment and administration of Citrix DaaS — Citrix-managed desktops and apps delivered from the cloud — including connectors, image management, and security.

WHAT YOU'LL LEARN

- ◆ Citrix DaaS architecture
- ◆ Connector deployment and management
- ◆ Resource locations and image management
- ◆ App and desktop delivery from DaaS
- ◆ Monitoring, security, and licensing

CERTIFICATION & OUTCOME

Supports the Citrix Certified Associate – Digital Workspace (CCA-DW) certification.

NS-201: NetScaler ADC 14.x Administration

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course covers the configuration and administration of NetScaler ADC 14.x: traffic management, content switching, SSL offload, and basic security.

WHAT YOU'LL LEARN

- ◆ NetScaler architecture and platforms
- ◆ Traffic management and load balancing
- ◆ Content switching and rewriting
- ◆ SSL offload and certificate management
- ◆ Monitoring and basic troubleshooting

CERTIFICATION & OUTCOME

Supports the Citrix NetScaler ADC certifications.

NS-301: NetScaler ADC 14.x Advanced Features (Security and Management)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course covers advanced NetScaler ADC 14.x features focused on security and centralized management — including AppFirewall, bot management, and the ADM platform.

WHAT YOU'LL LEARN

- ◆ Application security and AppFirewall
- ◆ Bot management and DDoS protection
- ◆ Authentication and SSO
- ◆ Centralized management with ADM
- ◆ Advanced troubleshooting

CERTIFICATION & OUTCOME

Supports advanced Citrix NetScaler certifications.

PREREQUISITES

NS-201 or equivalent NetScaler ADC experience.

NSGW-203: NetScaler Gateway 14.x Administration for Citrix Environments

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course covers the deployment and administration of NetScaler Gateway 14.x in front of Citrix Virtual Apps and Desktops environments — including authentication, SmartAccess, and ICA Proxy.

WHAT YOU'LL LEARN

- ◆ NetScaler Gateway architecture
- ◆ Integration with Citrix Virtual Apps and Desktops
- ◆ Authentication, AAA, and nFactor
- ◆ ICA Proxy and SmartAccess
- ◆ Troubleshooting and monitoring

CERTIFICATION & OUTCOME

Supports the Citrix NetScaler Gateway certifications.

NSGW-253: NetScaler Gateway 14.x Deployment for Citrix Environments

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course teaches engineers how to design and deploy NetScaler Gateway 14.x for large or complex Citrix environments — covering HA, GSLB, advanced authentication, and integration patterns.

WHAT YOU'LL LEARN

- ◆ Architecting NetScaler Gateway
- ◆ High availability and GSLB
- ◆ Advanced authentication scenarios
- ◆ Integrating with CVAD and DaaS at scale
- ◆ Operational best practices

CERTIFICATION & OUTCOME

Supports advanced Citrix NetScaler Gateway certifications.

PREREQUISITES

NSGW-203 or equivalent NetScaler Gateway experience.

INFORMATION TECHNOLOGY

NUTANIX COURSES

Nutanix Hybrid Cloud Fundamentals (v 6.10)

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course introduces administrators to Nutanix hybrid cloud — the AOS platform, AHV hypervisor, Prism management, and core workflows for deploying and operating Nutanix clusters.

WHAT YOU'LL LEARN

- ◆ Nutanix architecture and components
- ◆ Deploying and managing AHV
- ◆ Storage, networking, and Prism
- ◆ VM lifecycle management
- ◆ Data protection basics

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the Nutanix Certified Associate (NCA) exam.

NECA: Nutanix Enterprise Cloud Administration (v 6.10)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course teaches the day-to-day administration of Nutanix Enterprise Cloud — AOS, AHV, Prism Central, performance tuning, data protection, and integration with enterprise services.

W H A T Y O U ' L L L E A R N

- ◆ Cluster administration and scaling
- ◆ Advanced storage and data services
- ◆ Networking and security
- ◆ Data protection and DR
- ◆ Monitoring, performance, and capacity

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the Nutanix Certified Professional – Multicloud Infrastructure (NCP-MCI) exam.

P R E R E Q U I S I T E S

Nutanix Hybrid Cloud Fundamentals or equivalent experience recommended.

I N F O R M A T I O N T E C H N O L O G Y**VEEAM COURSES****Veeam Backup and Replication: Configure, Manage, and Recover v13**

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course teaches IT professionals how to deploy, configure, and operate Veeam Backup & Replication v13 to protect virtual, physical, and cloud workloads in modern enterprise environments.

W H A T Y O U ' L L L E A R N

- ◆ Veeam architecture and components
- ◆ Configuring backup jobs and repositories
- ◆ Replication and high availability

- ◆ Application-aware processing
- ◆ Restore, recovery, and verification

C E R T I F I C A T I O N & O U T C O M E

Supports the Veeam Certified Engineer (VMCE) track.

I N F O R M A T I O N T E C H N O L O G Y

CHEF COURSES

Chef Essentials

◆ 2 - D A Y | L I V E • I N S T R U C T O R - L E D

This 2-day course introduces practitioners to Chef configuration-management fundamentals — cookbooks, recipes, resources, and the workflow for managing infrastructure as code.

W H A T Y O U ' L L L E A R N

- ◆ Chef architecture and components
- ◆ Resources, recipes, and cookbooks
- ◆ Managing nodes with the Chef client
- ◆ Testing and shipping cookbooks
- ◆ Working with the Chef Workstation toolkit

C E R T I F I C A T I O N & O U T C O M E

Hands-on training; no certification exam.

S E C T I O N 0 3

AI & MACHINE LEARNING

Live training. Expert instructors. Real results.

C A T E G O R I E S I N T H I S S E C T I O N

AI CERTS COURSES**48** courses**COMPTIA AI COURSES****4** coursesTOTAL: **52 COURSES**

AI CERTS COURSES

AI+ Prompt Engineer Level 1

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course teaches the fundamentals of prompt engineering for large language models. Students build a practical toolkit for instructing AI systems like ChatGPT and Claude to solve real-world business problems.

WHAT YOU'LL LEARN

- ◆ Prompt design fundamentals and patterns
- ◆ Working with system, user, and few-shot prompts
- ◆ Iterative refinement and prompt testing
- ◆ Integrating AI prompts into business workflows
- ◆ Avoiding hallucinations and improving accuracy

CERTIFICATION & OUTCOME

Prepares students for the AI+ Prompt Engineer Level 1 certification from AI CERTs.

AI+ Prompt Engineer Level 2

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day advanced course goes deeper into prompt engineering for production AI systems, covering chained prompts, retrieval-augmented generation, and integration patterns for enterprise workflows.

WHAT YOU'LL LEARN

- ◆ Advanced prompting techniques and patterns
- ◆ Retrieval-augmented generation (RAG) workflows
- ◆ Building and chaining multi-step prompts
- ◆ Prompt evaluation and optimization at scale
- ◆ Production deployment considerations

CERTIFICATION & OUTCOME

Prepares students for the AI+ Prompt Engineer Level 2 certification.

P R E R E Q U I S I T E S

AI+ Prompt Engineer Level 1 or equivalent practical prompting experience.

AI+ Architect**◆ 5 - DAY | LIVE • INSTRUCTOR-LED**

This 5-day course prepares technical architects to design AI-powered solutions at scale. Students cover model selection, data pipelines, integration patterns, and the operational concerns of running AI in production.

W H A T Y O U ' L L L E A R N

- ◆ AI solution architecture patterns
- ◆ Model selection, evaluation, and lifecycle management
- ◆ Data pipelines and feature stores
- ◆ MLOps and operational concerns
- ◆ Security, governance, and cost optimization

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the AI+ Architect certification.

AI+ Engineer**◆ 5 - DAY | LIVE • INSTRUCTOR-LED**

This 5-day course gives software engineers the skills to build, train, and deploy AI applications using modern frameworks. Students work hands-on with Python, common ML libraries, and cloud-based model hosting.

W H A T Y O U ' L L L E A R N

- ◆ Python for ML engineering
- ◆ Working with PyTorch, TensorFlow, and Scikit-learn
- ◆ Model training, fine-tuning, and evaluation
- ◆ Building APIs around models
- ◆ Deploying and monitoring AI services

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the AI+ Engineer certification.

AI+ Developer

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course teaches application developers how to integrate generative AI capabilities into the software they build, with a focus on practical, shippable features using popular LLM APIs and SDKs.

WHAT YOU'LL LEARN

- ◆ Integrating LLMs into applications
- ◆ Working with embeddings and vector databases
- ◆ Building chatbots, agents, and assistants
- ◆ Streaming, structured outputs, and tool use
- ◆ Error handling, evaluation, and cost control

CERTIFICATION & OUTCOME

Prepares students for the AI+ Developer certification.

AI+ Foundation

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

This 2-day introductory course gives professionals from any background a solid working understanding of modern AI — what it can do, how it works at a high level, and where to apply it safely and effectively.

WHAT YOU'LL LEARN

- ◆ Core AI and ML concepts
- ◆ Major model types and their use cases
- ◆ Generative AI in everyday workflows
- ◆ Limitations, risks, and responsible use
- ◆ Identifying AI opportunities in your work

CERTIFICATION & OUTCOME

Prepares students for the AI+ Foundation certification.

AI+ Executive

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

This 2-day executive briefing translates AI capability into business strategy. Designed for leaders, it covers what AI can realistically deliver, how to prioritize investments, and how to govern AI responsibly across an enterprise.

WHAT YOU'LL LEARN

- ◆ Strategic frameworks for enterprise AI adoption
- ◆ Value cases, ROI, and prioritization
- ◆ AI governance, risk, and policy
- ◆ Building AI-ready teams and culture
- ◆ Working effectively with AI vendors and partners

CERTIFICATION & OUTCOME

Prepares students for the AI+ Executive certification.

AI+ Chief AI Officer

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course prepares senior leaders to define and execute an enterprise AI strategy. Students learn how to build the operating model, governance, and roadmap that a Chief AI Officer needs to deliver value at scale.

WHAT YOU'LL LEARN

- ◆ Setting and communicating AI strategy
- ◆ Building and scaling AI organizations
- ◆ Enterprise governance, ethics, and compliance
- ◆ Portfolio management and value realization
- ◆ AI partnerships, M&A, and ecosystem strategy

CERTIFICATION & OUTCOME

Prepares students for the AI+ Chief AI Officer certification.

AI+ Ethical Hacker

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course teaches security professionals how to attack AI systems the way real adversaries do — model evasion, prompt injection, data poisoning, and more — and how to harden AI systems against those attacks.

WHAT YOU'LL LEARN

- ◆ AI threat models and attack surfaces
- ◆ Prompt injection and jailbreaking techniques
- ◆ Model extraction, evasion, and inversion
- ◆ Data poisoning and supply-chain attacks
- ◆ Defensive controls and AI red teaming

CERTIFICATION & OUTCOME

Prepares students for the AI+ Ethical Hacker certification.

AI+ Security Level 1

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course covers the security fundamentals every team should know when adopting AI: protecting data flowing into AI systems, controlling outputs, managing access, and meeting compliance requirements.

WHAT YOU'LL LEARN

- ◆ AI security fundamentals
- ◆ Protecting data used by AI systems
- ◆ Secure prompt and output handling
- ◆ Identity, access, and audit for AI
- ◆ AI compliance and audit readiness

CERTIFICATION & OUTCOME

Prepares students for the AI+ Security Level 1 certification.

AI+ Security Level 2

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course goes deeper into the operational security of AI systems, covering threat modeling, hardened MLOps pipelines, and detection and response for AI-specific incidents.

WHAT YOU'LL LEARN

- ◆ AI threat modeling and risk assessment
- ◆ Secure ML pipelines and MLOps
- ◆ Detecting AI-specific attacks
- ◆ Incident response for AI systems
- ◆ Adversarial robustness and testing

CERTIFICATION & OUTCOME

Prepares students for the AI+ Security Level 2 certification.

PREREQUISITES

AI+ Security Level 1 or equivalent experience.

AI+ Security Compliance

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course focuses on the compliance and audit dimensions of AI adoption, mapping AI controls to major frameworks (NIST AI RMF, ISO 42001, EU AI Act) and helping teams pass AI-focused assessments.

WHAT YOU'LL LEARN

- ◆ AI regulatory landscape
- ◆ NIST AI Risk Management Framework
- ◆ ISO/IEC 42001 AI Management System
- ◆ EU AI Act and other emerging regulations
- ◆ Building auditable AI governance programs

CERTIFICATION & OUTCOME

Prepares students for the AI+ Security Compliance certification.

AI+ Ethics

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

This 2-day course covers the practical ethics of building and deploying AI systems — fairness, transparency, accountability, and the human impact of automated decisions.

WHAT YOU'LL LEARN

- ◆ Ethical frameworks for AI
- ◆ Bias and fairness in ML systems
- ◆ Transparency and explainability
- ◆ Human-in-the-loop design
- ◆ Responsible deployment and ongoing monitoring

CERTIFICATION & OUTCOME

Prepares students for the AI+ Ethics certification.

AI+ Data

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course covers the data practices that make AI projects succeed — data acquisition, labeling, quality, governance, and the analytics that feed and validate models.

WHAT YOU'LL LEARN

- ◆ Data strategy for AI
- ◆ Data collection, labeling, and quality
- ◆ Feature engineering pipelines
- ◆ Data governance and lineage
- ◆ Analytics that drive model improvement

CERTIFICATION & OUTCOME

Prepares students for the AI+ Data certification.

AI+ Government

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course is built for federal, state, and local government professionals who need to evaluate, procure, deploy, and govern AI systems in the public sector.

WHAT YOU'LL LEARN

- ◆ AI policy and the federal landscape
- ◆ Procurement and vendor management for AI
- ◆ Public-sector AI risk and ethics
- ◆ Mission applications of AI
- ◆ Workforce upskilling and change management

CERTIFICATION & OUTCOME

Prepares students for the AI+ Government certification.

AI+ Healthcare

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course teaches healthcare professionals how to evaluate and apply AI safely in clinical and operational settings, with attention to HIPAA, PHI, and clinical workflow realities.

WHAT YOU'LL LEARN

- ◆ Clinical and operational AI use cases
- ◆ HIPAA, PHI, and AI data handling
- ◆ Validation and clinical decision support
- ◆ Bias and equity in healthcare AI
- ◆ Implementation and adoption strategies

CERTIFICATION & OUTCOME

Prepares students for the AI+ Healthcare certification.

AI+ Marketing

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course helps marketers integrate AI into the full marketing workflow — from research and segmentation through content production, personalization, and measurement.

WHAT YOU'LL LEARN

- ◆ AI tools across the marketing stack

- ◆ AI-powered research and segmentation
- ◆ Content generation at scale
- ◆ Personalization and journey orchestration
- ◆ Measurement, attribution, and ethics

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the AI+ Marketing certification.

AI+ Product Manager

◆ 3 - D A Y | L I V E • I N S T R U C T O R - L E D

This 3-day course gives product managers the playbook for building AI-powered products — discovery, scoping, prototyping with LLMs, and the unique evaluation and risk concerns AI features bring.

W H A T Y O U ' L L L E A R N

- ◆ Discovery and scoping for AI features
- ◆ Prototyping with LLMs and other ML services
- ◆ Designing for uncertainty and human review
- ◆ Evaluation, metrics, and feedback loops
- ◆ Roadmapping and stakeholder communication

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the AI+ Product Manager certification.

AI+ Project Manager

◆ 3 - D A Y | L I V E • I N S T R U C T O R - L E D

This 3-day course is designed for project managers leading AI initiatives. It covers how AI projects differ from traditional software, what risks to plan for, and how to manage data, models, and people end-to-end.

W H A T Y O U ' L L L E A R N

- ◆ Lifecycle of AI projects
- ◆ Estimating, scoping, and risk for AI work
- ◆ Managing data-science and ML teams

- ◆ Stakeholder communication and expectations
- ◆ Delivering AI value iteratively

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the AI+ Project Manager certification.

AI+ Network

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course covers the application of AI to network operations — anomaly detection, predictive maintenance, AIOps, and security monitoring across modern enterprise networks.

W H A T Y O U ' L L L E A R N

- ◆ AI in network operations (AIOps)
- ◆ Anomaly and threat detection
- ◆ Predictive maintenance and capacity planning
- ◆ Automating network workflows with AI
- ◆ Tool selection and integration

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the AI+ Network certification.

AI+ Cloud

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course covers how AI is built and consumed across major cloud platforms, including managed AI services, model hosting, and the operational practices that keep cloud AI workloads reliable and affordable.

W H A T Y O U ' L L L E A R N

- ◆ AI services on major cloud platforms
- ◆ Hosting and scaling models in the cloud
- ◆ Cost, performance, and reliability
- ◆ Integrating cloud AI with enterprise apps
- ◆ Security and governance in the cloud

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the AI+ Cloud certification.

AI+ Everyone

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day primer is for any employee whose role is being affected by AI. It demystifies the technology, shows where it can help, and gives practical guidance for using AI tools responsibly day-to-day.

W H A T Y O U ' L L L E A R N

- ◆ What AI is and is not
- ◆ Common workplace AI tools
- ◆ Writing effective prompts
- ◆ Limitations and risks to watch for
- ◆ Practical habits for working with AI

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the AI+ Everyone certification.

AI+ UX Designer

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course focuses on designing user experiences for AI-powered products — handling uncertainty, building trust, presenting probabilistic outputs, and designing for safety.

W H A T Y O U ' L L L E A R N

- ◆ UX patterns for AI products
- ◆ Designing for uncertainty and confidence
- ◆ Trust, transparency, and explainability
- ◆ Conversational and agentic interfaces
- ◆ Evaluating AI UX with real users

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the AI+ UX Designer certification.

AI+ Writer

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course helps professional writers and content creators integrate AI into their workflow without losing voice, accuracy, or originality.

WHAT YOU'LL LEARN

- ◆ AI as a research and ideation partner
- ◆ Drafting, editing, and revising with AI
- ◆ Maintaining voice, accuracy, and originality
- ◆ Fact-checking and source verification
- ◆ Ethical and copyright considerations

CERTIFICATION & OUTCOME

Prepares students for the AI+ Writer certification.

AI+ Educator

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course is for K–12 and higher-education educators integrating AI into instruction, assessment, and administrative work — responsibly and effectively.

WHAT YOU'LL LEARN

- ◆ AI in lesson design and content creation
- ◆ Assessment and academic integrity in the AI era
- ◆ Supporting diverse learners with AI
- ◆ Educator productivity and admin workflows
- ◆ Policy, equity, and ethics

CERTIFICATION & OUTCOME

Prepares students for the AI+ Educator certification.

AI+ Business Intelligence

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course teaches BI analysts and developers how to apply AI to business intelligence workflows — from automated data preparation through narrative reporting and conversational analytics.

WHAT YOU'LL LEARN

- ◆ AI in modern BI architectures
- ◆ Automated data prep and feature engineering for BI
- ◆ Augmented analytics and conversational BI
- ◆ Embedded AI for dashboards and reports
- ◆ Governance and trust in AI-assisted BI

CERTIFICATION & OUTCOME

Prepares students for the AI+ Business Intelligence certification.

AI+ Customer Service

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course helps customer service teams adopt AI without losing the human element — covering AI chatbots, voice assistants, agent assist, and the operational metrics that matter for support organizations.

WHAT YOU'LL LEARN

- ◆ AI use cases across the support lifecycle
- ◆ Designing and deploying AI chatbots and voicebots
- ◆ Agent assist and copilots
- ◆ Quality, escalation, and human-in-the-loop
- ◆ Metrics and continuous improvement

CERTIFICATION & OUTCOME

Prepares students for the AI+ Customer Service certification.

AI+ Design

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day course teaches designers how to integrate AI tools into the full design workflow — concept generation, asset production, prototyping, and accessibility — while keeping craft and intent intact.

WHAT YOU'LL LEARN

- ◆ Generative tools for ideation and concepting
- ◆ AI-assisted asset production and editing
- ◆ Prototyping with AI-driven flows
- ◆ Accessibility and inclusive design with AI
- ◆ Working ethically and citing AI work

CERTIFICATION & OUTCOME

Prepares students for the AI+ Design certification.

AI+ Doctor

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day course is designed for physicians and clinical leaders adopting AI in practice — covering diagnostic decision support, documentation, patient communication, and the clinical governance AI requires.

WHAT YOU'LL LEARN

- ◆ Clinical AI use cases and evidence base
- ◆ AI-powered documentation and ambient scribing
- ◆ Diagnostic decision support
- ◆ Patient-facing AI applications
- ◆ Clinical governance, bias, and safety

CERTIFICATION & OUTCOME

Prepares students for the AI+ Doctor certification.

AI+ Finance

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course teaches finance professionals how to apply AI to forecasting, close, FP&A, audit, and risk — and how to govern AI use in a regulated finance environment.

WHAT YOU'LL LEARN

- ◆ AI in forecasting and FP&A
- ◆ Automating close and reconciliation
- ◆ AI in audit and controls
- ◆ Risk, fraud, and AML use cases
- ◆ Governance and regulatory considerations

CERTIFICATION & OUTCOME

Prepares students for the AI+ Finance certification.

AI+ HR

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course helps HR professionals apply AI across the talent lifecycle — sourcing, screening, learning, performance, and engagement — while staying compliant and fair.

WHAT YOU'LL LEARN

- ◆ AI across the talent lifecycle
- ◆ Sourcing, screening, and bias mitigation
- ◆ AI-driven learning and skills mapping
- ◆ Performance, engagement, and analytics
- ◆ Compliance and ethical HR AI

CERTIFICATION & OUTCOME

Prepares students for the AI+ HR certification.

AI+ Learning and Development

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course teaches L&D professionals how to use AI to design, deliver, and measure learning experiences — from rapid course authoring to personalized learning paths and skills analytics.

WHAT YOU'LL LEARN

- ◆ AI-assisted course authoring
- ◆ Personalized and adaptive learning paths
- ◆ Coaching, tutoring, and assessment with AI
- ◆ Skills analytics and workforce planning
- ◆ Quality, fairness, and learner trust

CERTIFICATION & OUTCOME

Prepares students for the AI+ Learning and Development certification.

AI+ Legal

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day course teaches attorneys and legal operations how to use AI responsibly across legal work — research, drafting, review, discovery — while managing risk and meeting professional duties.

WHAT YOU'LL LEARN

- ◆ AI use cases across legal practice
- ◆ Research, drafting, and review with AI
- ◆ eDiscovery and contract analytics
- ◆ Risk, privilege, and confidentiality
- ◆ Professional duties and ethics

CERTIFICATION & OUTCOME

Prepares students for the AI+ Legal certification.

AI+ Nurse

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day course is for nurses adopting AI tools at the bedside — clinical decision support, documentation, patient communication, and the practical workflow concerns of nursing AI.

WHAT YOU'LL LEARN

- ◆ AI in nursing assessment and triage

- ◆ Documentation and handoff with AI
- ◆ Patient education and communication
- ◆ Clinical decision support and alerts
- ◆ Safety, equity, and bedside ethics

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the AI+ Nurse certification.

AI+ Policy Maker

◆ 3 - D A Y | L I V E • I N S T R U C T O R - L E D

This 3-day course is built for legislators, regulators, and policy staff who need to draft, evaluate, and oversee AI policy — covering the technology, the risks, and the regulatory frameworks emerging worldwide.

W H A T Y O U ' L L L E A R N

- ◆ What policy makers need to know about AI
- ◆ AI risks, harms, and benefits
- ◆ Major regulatory frameworks (NIST AI RMF, EU AI Act, OECD principles)
- ◆ Drafting and evaluating AI policy
- ◆ Oversight, enforcement, and public engagement

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the AI+ Policy Maker certification.

AI+ Quality Assurance

◆ 3 - D A Y | L I V E • I N S T R U C T O R - L E D

This 3-day course teaches QA engineers how to apply AI to test generation, defect prediction, visual testing, and exploratory testing — and how to test AI systems themselves.

W H A T Y O U ' L L L E A R N

- ◆ AI in test generation and maintenance
- ◆ Defect prediction and triage
- ◆ Visual and exploratory AI testing
- ◆ Testing AI/ML systems

- ◆ Quality metrics in an AI-augmented org

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the AI+ Quality Assurance certification.

AI+ Quantum

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course bridges quantum computing and AI/ML — covering quantum machine learning, hybrid quantum-classical workflows, and the practical landscape of quantum-AI today.

W H A T Y O U ' L L L E A R N

- ◆ Quantum computing fundamentals
- ◆ Quantum machine learning concepts
- ◆ Hybrid quantum-classical workflows
- ◆ Tools and platforms (Qiskit, Cirq, Braket)
- ◆ Realistic use cases and timelines

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the AI+ Quantum certification.

AI+ Researcher

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course teaches researchers across disciplines how to use AI for literature review, data analysis, writing, and reproducibility — without compromising rigor or research integrity.

W H A T Y O U ' L L L E A R N

- ◆ AI-assisted literature review
- ◆ Data analysis and modeling with AI
- ◆ Scientific writing and figure generation
- ◆ Reproducibility and provenance
- ◆ Research ethics and integrity in the AI era

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the AI+ Researcher certification.

AI+ Robotics

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day course covers how AI is shaping modern robotics — perception, planning, control, and learning — for engineers and product leaders working with robots in industrial, service, and research contexts.

WHAT YOU'LL LEARN

- ◆ AI in robotics overview
- ◆ Perception: vision, audio, and sensor fusion
- ◆ Planning and control with learning
- ◆ Human-robot interaction
- ◆ Safety, deployment, and operations

CERTIFICATION & OUTCOME

Prepares students for the AI+ Robotics certification.

AI+ Sales

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day course helps sellers, sales engineers, and sales operations apply AI across the sales motion — prospecting, qualification, content, coaching, and forecasting.

WHAT YOU'LL LEARN

- ◆ AI across the sales cycle
- ◆ Prospecting and outreach automation
- ◆ Qualification and intelligent routing
- ◆ Content, coaching, and call analysis
- ◆ Forecasting and pipeline analytics

CERTIFICATION & OUTCOME

Prepares students for the AI+ Sales certification.

AI+ Security Level 3

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day expert-level course extends AI Security Levels 1 and 2 with advanced offensive and defensive AI tradecraft, mature governance, and the operational realities of running AI security at enterprise scale.

WHAT YOU'LL LEARN

- ◆ Advanced AI threat modeling
- ◆ Adversarial ML and red-team tradecraft
- ◆ Mature AI security operations
- ◆ Enterprise AI governance at scale
- ◆ Building and leading AI security programs

CERTIFICATION & OUTCOME

Prepares students for the AI+ Security Level 3 certification.

PREREQUISITES

AI+ Security Level 2 or equivalent experience.

AI+ Supply Chain

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course teaches supply chain professionals how to apply AI to forecasting, planning, sourcing, logistics, and resilience — and how to govern the data and models that drive supply chain decisions.

WHAT YOU'LL LEARN

- ◆ AI in demand forecasting and planning
- ◆ Sourcing, procurement, and risk
- ◆ Logistics, routing, and warehouse optimization
- ◆ Resilience and scenario planning
- ◆ Data governance for supply chain AI

CERTIFICATION & OUTCOME

Prepares students for the AI+ Supply Chain certification.

Bitcoin+ Developer

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course teaches developers how to build on Bitcoin and the Lightning Network — covering Bitcoin script, wallet integration, Lightning channels, and security best practices for production deployments.

WHAT YOU'LL LEARN

- ◆ Bitcoin protocol fundamentals
- ◆ Wallet integration and key management
- ◆ Bitcoin script and smart contracts
- ◆ Lightning Network development
- ◆ Security and operational best practices

CERTIFICATION & OUTCOME

Prepares students for the Bitcoin+ Developer certification.

Bitcoin+ Executive

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

This 2-day course gives executives a working understanding of Bitcoin — what it is, how it differs from other digital assets, and the strategic, regulatory, and treasury implications for modern enterprises.

WHAT YOU'LL LEARN

- ◆ Bitcoin fundamentals for executives
- ◆ Strategic and treasury implications
- ◆ Regulatory landscape
- ◆ Custody and operational risk
- ◆ Enterprise adoption patterns

CERTIFICATION & OUTCOME

Prepares students for the Bitcoin+ Executive certification.

Bitcoin+ Security

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course teaches security professionals how to protect Bitcoin holdings and infrastructure — covering key management, multi-sig, custody models, exchange security, and incident response for Bitcoin-related threats.

WHAT YOU'LL LEARN

- ◆ Bitcoin threat landscape
- ◆ Key management and multi-sig
- ◆ Custody models and operational security
- ◆ Exchange and wallet security
- ◆ Incident response for Bitcoin incidents

CERTIFICATION & OUTCOME

Prepares students for the Bitcoin+ Security certification.

Bitcoin+ Everyone

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day primer is for anyone curious about Bitcoin — how it works, how to use it safely, and how it fits into the broader financial landscape.

WHAT YOU'LL LEARN

- ◆ What Bitcoin is and how it works
- ◆ Getting and storing Bitcoin safely
- ◆ Bitcoin in the broader economy
- ◆ Risks, scams, and how to avoid them
- ◆ Practical first steps

CERTIFICATION & OUTCOME

Prepares students for the Bitcoin+ Everyone certification.

Blockchain+ Executive

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

This 2-day course gives executives a strategic view of blockchain technology — public and permissioned chains, real-world use cases, governance, and the conditions under which blockchain genuinely adds value.

WHAT YOU'LL LEARN

- ◆ Blockchain fundamentals for executives
- ◆ Public, private, and consortium models
- ◆ Identifying valuable use cases
- ◆ Governance, compliance, and risk
- ◆ Building or partnering for blockchain initiatives

CERTIFICATION & OUTCOME

Prepares students for the Blockchain+ Executive certification.

Blockchain+ Developer

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course teaches developers how to build on modern blockchain platforms — covering smart contracts, common languages, decentralized application patterns, and the security pitfalls unique to on-chain code.

WHAT YOU'LL LEARN

- ◆ Blockchain architectures and consensus
- ◆ Smart contract development (Solidity / Rust)
- ◆ Decentralized application patterns
- ◆ Testing, deployment, and tooling
- ◆ Smart contract security

CERTIFICATION & OUTCOME

Prepares students for the Blockchain+ Developer certification.

AI & MACHINE LEARNING

COMPTIA AI COURSES

CompTIA AI Essentials

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

This 2-day course gives everyday business users a working knowledge of artificial intelligence — what it is, what it can and cannot do, and how to apply it responsibly in modern workflows.

WHAT YOU'LL LEARN

- ◆ Foundational AI concepts and terminology
- ◆ AI applications across industries
- ◆ Generative AI and large language models in practice
- ◆ Ethical considerations and limitations
- ◆ Working effectively with AI tools

CERTIFICATION & OUTCOME

Prepares students for the CompTIA AI Essentials certification.

CompTIA AI Prompting Essentials

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

This 2-day course teaches anyone who works with AI tools how to write clear, effective prompts that produce reliable results across text, code, and image generation use cases.

WHAT YOU'LL LEARN

- ◆ Prompt engineering principles
- ◆ Iterative prompt refinement
- ◆ Working with context, examples, and constraints
- ◆ Common pitfalls and prompt safety
- ◆ Real-world prompting workflows across business roles

CERTIFICATION & OUTCOME

Prepares students for the CompTIA AI Prompting Essentials certification.

CompTIA DataAI+

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course covers the data engineering and analytics skills required to support AI and machine learning initiatives. Students learn how to prepare data for AI workloads, evaluate model output, and ensure data quality across the AI lifecycle.

W H A T Y O U ' L L L E A R N

- ◆ Data acquisition, integration, and quality for AI
- ◆ Feature engineering and ML-ready datasets
- ◆ Model evaluation from a data perspective
- ◆ Data governance and bias mitigation
- ◆ Reporting on AI outcomes and KPIs

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the CompTIA DataAI+ certification exam.

CompTIA SecAI+

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course prepares cybersecurity practitioners to defend AI systems and to use AI safely as part of a security program. Students cover both the defensive and offensive sides of AI in security operations.

W H A T Y O U ' L L L E A R N

- ◆ Threats and attack surfaces unique to AI systems
- ◆ Securing data pipelines, models, and inference endpoints
- ◆ AI-powered detection, triage, and response
- ◆ Compliance, governance, and risk for AI
- ◆ Adversarial ML and red-team techniques

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the CompTIA SecAI+ certification exam.

S E C T I O N 0 4

PROGRAMMING & DEVELOPMENT

From Python to AWS — the dev skills that ship modern systems.

C A T E G O R I E S I N T H I S S E C T I O N

PYTHON	5 courses
AMAZON WEB SERVICES (AWS)	28 courses
DRUPAL	4 courses
C, C++ & JAVA	5 courses

TOTAL: **42 COURSES**

PYTHON

Advanced Python 3 Programming

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

In this 3-day Python training course, students already familiar with Python programming will learn the following.

WHAT YOU'LL LEARN

- ◆ Advanced Python techniques such as Jupyter Notebook, the Collections module
- ◆ Mapping and filtering, lambda functions, advanced sorting
- ◆ Working with regular expressions in Python
- ◆ Working with databases, CSV files, JSON and XM
- ◆ Writing object-oriented code, testing and debugging
- ◆ Unicode and text encoding

PREREQUISITES

Students should be familiar with Python programming.

Introduction to Python 3

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

In this 3-day Python training course, students who are new to Python will learn the following.

WHAT YOU'LL LEARN

- ◆ To write and run Python scripts
- ◆ File operations, regular expressions, working with binary data
- ◆ To use the extensive functionality of Python modules

PREREQUISITES

There are no prerequisites for this class.

Python Security for Practitioners

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

In this 4-day Python training course, students already familiar with Python programming will learn the following: Create a trojan command-and-control using GitHub Detect sandboxing and automate common malware tasks, like keylogging and screenshotting Escalate Windows privileges with creative process control Use offensive memory forensics tricks to retrieve password hashes and inject shellcode into a virtual machine Extend the popular Burp Suite web-hacking tool Abuse Windows COM automation to perform a man-in-the-browser attack Exfiltrate data from a network most sneakily

PREREQUISITES

Students should be familiar with Python programming.

Machine Learning with Python

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course teaches data professionals to build, evaluate, and deploy machine learning models using Python and the modern scientific-Python stack (NumPy, pandas, scikit-learn).

WHAT YOU'LL LEARN

- ◆ Python for data science fundamentals
- ◆ Supervised learning: regression and classification
- ◆ Unsupervised learning: clustering and dimensionality reduction
- ◆ Model evaluation, tuning, and validation
- ◆ Putting models into production

CERTIFICATION & OUTCOME

Prepares students for ML practitioner roles using Python.

PREREQUISITES

Working knowledge of Python is recommended.

Python Deep Learning

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course teaches developers and data scientists to build deep learning models in Python using PyTorch and TensorFlow. Students work through CNNs, RNNs, transformers, and modern training techniques.

WHAT YOU'LL LEARN

- ◆ Deep learning fundamentals
- ◆ Working with PyTorch and TensorFlow
- ◆ CNNs for vision and RNNs for sequences
- ◆ Transformer architectures
- ◆ Training, fine-tuning, and deployment

CERTIFICATION & OUTCOME

Prepares students for deep learning practitioner roles.

PREREQUISITES

Solid Python skills; basic ML knowledge is recommended.

PROGRAMMING & DEVELOPMENT

AMAZON WEB SERVICES (AWS)

Cloud Practitioner

◆ 1-DAY | LIVE • INSTRUCTOR-LED

In this 1-day course is intended for individuals seeking to gain knowledge about the AWS Cloud. This course also helps you prepare for the AWS Certified Cloud Practitioner Exam. This training course, will teach the following: What the cloud is and how it works How to identify the differences between cloud computing and deployment models AWS Cloud Value proposition The basic global infrastructure of the cloud How to interact with AWS How to implement solutions with AWS Cloud services The AWS service domains The framework of AWS AWS Cloud principles The Shared Responsibility Model Security Services with the AWS Cloud Billing, Account Management, and pricing models for the AWS platform Future developments Students should have General IT technical and business knowledge.

AWS Technical Essentials

◆ 1 - DAY | LIVE • INSTRUCTOR - LED

In this 1-day course, students will be introduced to AWS products, services, and common solutions. This course will explain the following.

WHAT YOU'LL LEARN

- ◆ Terminology and concepts related to the AWS platform
- ◆ How to navigate the AWS Management Console
- ◆ Key concepts of AWS security measures and AWS Identity and Access Management (IAM)
- ◆ What some of the key AWS services are, including:
- ◆ Foundational services: Amazon Elastic Compute Cloud (Amazon EC2), Amazon Virtual Private Cloud (Amazon VPC), Amazon Simple Storage Service (Amazon S3), and Amazon Elastic Block Store (Amazon EBS)
- ◆ Database services: Amazon DynamoDB and Amazon Relational Database Service (Amazon RDS)
- ◆ Management services: including AWS Auto Scaling, Amazon CloudWatch, Elastic Load Balancing (ELB), and AWS Trusted Advisor

PREREQUISITES

There are no prerequisites to this course.

System Operations on AWS

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day course covers best practices for Systems Operations on the AWS platform. Students will learn how to create automated and repeatable deployments of networks and systems on the AWS platform. Students should complete the AWS Technical Essentials course before taking this course. This course prepares students for the AWS Certified SysOps Administrator – Associate Exam.

DevOps Engineering on AWS

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

In this 3 – day course will address common DevOps patterns to develop, deploy and maintain applications on AWS platform. The course will cover a variety of use cases for varying computing

environments ranging from small to enterprise organizations with relation to the usage of core DevOps methodology. Students should complete the Developing on AWS course before taking this course. This course prepares students for the AWS Certified DevOps Engineer – Professional Exam.

Architecting on AWS

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

In this 3-day AWS course architectural best practices for AWS, building scalable and reliable infrastructure solutions, and leveraging AWS solutions within different computing environments. The Prerequisite for this course is the AWS Technical Essentials course. This course prepares students for the AWS Certified Solutions Architect–Associate Exam.

Advanced Architecting on AWS

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

In this 3-day AWS course how to build complex solutions that incorporate data services, governance, and security on AWS. This Amazon AWS Training course introduces specialized AWS services, including AWS Direct Connect and AWS Storage Gateway to support hybrid architecture. It also covers designing best practices for building scalable, elastic, secure, and highly available applications on AWS. Students should complete the Architecting on AWS course before taking this course. This course prepares students for the AWS Certified Solutions Architect–Professional exam.

Architecting on AWS Accelerator Training

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day AWS course combines topics covered in Architecting on AWS and Advanced Architecting on AWS to offer a comprehensive, immersive course in cloud architecture. Students will learn about AWS services including computing, storage, database, networking, security monitoring, automation, optimization and more. Students will also be able to experience hands on learning to help them apply their knowledge. This course will teach students to.

WHAT YOU'LL LEARN

- ◆ Make architectural decisions based on AWS architectural principles and best practices
- ◆ Use AWS services for infrastructure operations
- ◆ Use AWS managed services to enable greater flexibility and resiliency in your infrastructure
- ◆ Increase performance and reduce costs
- ◆ Use the Well Architecture Framework to improve architectures and AWS solutions

CERTIFICATION & OUTCOME

Students can take AWS technical Essentials as a prerequisite for this course or they should be familiar with AWS cloud computing, TCP/IP networking concepts and multi – tier acritudes and distributed systems.

Developing on AWS

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

In this 3-day AWS course will address how to develop secure and scalable cloud applications with the AWS SDK. Additionally, students will get hands-on experience interacting with AWS with code while learning about best practices, key concepts, troubleshooting guidelines. Students should complete the AWS Technical Essentials course before taking this course. This course prepares students for the AWS Certified Developer-Associate exam.

Advanced Developing on AWS

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day AWS course build upon the concepts discussed in the course, Developing on AWS. Students will deep dive into advanced development topics such as architecting for a non – cloud environment, legacy applications, and develop an understanding of the Twelve – Factor application methodology. This course will teach students how to: Analyze a monolithic application architecture Understand the Twelve Factor application methodology Develop a microservices based cloud native application Implement AWS, API, CLI and SDKs for AWS services Demonstrate use of the 6 Rs of migration Explain SysOps application to microservices in AWS Explain DevOps application to microservices in AWS Prerequisites for this course are completion of the Developing on AWS course, at least 6 months of real-world experience with the concepts, experience with AWS services and working knowledge of at least one programming language.

DevOps Engineering on AWS

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

In this 3-day AWS course will address common DevOps patterns to develop, deploy, and maintain applications on AWS platform. The course will cover a variety of use cases for varying computing environments ranging from small to enterprise organizations with relation to the usage of core DevOps methodology. Students should complete the Developing on AWS course before taking this course. This course prepares students for the AWS Certified DevOps Engineering – Professional exam.

Big Data on AWS

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

In this 3-day AWS course, students will learn about Cloud based Big Data Solutions available on the AWS Big Data platform. Students will learn how to process data and use different tools to create Big Data environments. Students will also learn about how to implement security and cost effectiveness while using Big Data platforms. The course will teach students to: How to fit AWS inside a Big Data Ecosystem How to leverage Apache Hadoop in the context of Amazon EMR The components of an Amazon EMR cluster and how to launch and configure the cluster How to use common programming frameworks Choose appropriate AWS storage options Comprehend and manage costs and security for a Big Data Solution Identify options for ingesting, transferring, and compressing data Demonstrate knowledge and understanding of Amazon Kinesis Demonstrate knowledge and understanding of Amazon Athena Demonstrate knowledge and understanding of Amazon Quick sight Use AWS Glue to operate workloads Prerequisites include completion of the AWS Technical Essentials course or equivalent experience and working knowledge of big data technologies, AWS services, public cloud implementation and relational database design. Students should complete the Developing on AWS course before taking this course.

Planning and Designing on AWS Training

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

In this 3-day AWS course, students will learn all about AWS databases so that students can determine whether a relational or nonrelational AWS databases is better for their workload. Students will be able to follow the process for planning and designing databases and gain an understanding of the eight different AWS database services. The course will teach students to: Apply Database concepts, data management, and data modeling techniques Evaluate hosting databases on Amazon EC2 instances Identify relational AWS database services and their features Identify non-relational AWS database services and their features Identify how design differentiates amongst each service Understand how to implement management capabilities for each service

Practical Data Science with Amazon SageMaker

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

In this 1-day AWS course, students will learn about the stages of a data science process for Machine Learning. The course will teach students to: Understand a Data Set Identify the aspects of model building Demonstrate the capabilities of Amazon SageMaker This course requires some understanding of programming languages.

Deep Learning on AWS

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

In this 1-day AWS course, students will learn about Deep learning solutions for the AWS platforms. Students will learn how to use AWS services to perform various operations with their Deep Learning models as well as design systems on AWS. This course will teach students to: Understand the concept of Deep Learning Understand the concept of Machine Learning Implement different programming frameworks into Deep Learning workloads Configure AWS solutions for Deep Learning deployments There are no prerequisites for this course.

The Machine Learning Pipeline on AWS

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

In this 4-day AWS course, students will gain knowledge about each stage of the Machine Learning pipeline to solve different business problems and create projects using Amazon SageMaker. The course will teach students: How to use ML to solve different problems Implement an ML model into Amazon SageMaker Apply machine ML to real life business problems There are no prerequisites for this course.

Security Engineering on AWS

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

In this 3-day AWS course, students will gain knowledge of the AWS Security Cloud and how to protect the infrastructure. Students will learn which security features are available to them and which solutions would be best to protect their business. The course will teach students to: Understand the security features of the AWS Cloud Describe the access control and management features of AWS Identify different data encryption methods to secure sensitive data Secure network access to AWS resources Prerequisites for this course include: AWS Cloud Practitioner, AWS Security Fundamental and Architecting on AWS.

AWS Cloud Practitioner

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day course is the introductory training for the AWS Certified Cloud Practitioner exam. It is designed for anyone — technical or non-technical — who needs a foundational understanding of AWS services, pricing, and operations.

WHAT YOU'LL LEARN

- ◆ Cloud concepts and the AWS Cloud
- ◆ AWS core services overview
- ◆ Security and compliance basics
- ◆ Billing, pricing, and support models

CERTIFICATION & OUTCOME

Prepares students for the AWS Certified Cloud Practitioner exam.

AWS Certified Solutions Architect – Associate (Architecting on AWS)

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course teaches the fundamentals of building IT infrastructure on AWS. Students learn architectural best practices for designing resilient, performant, secure, and cost-optimized solutions across the major AWS services.

WHAT YOU'LL LEARN

- ◆ Designing resilient AWS architectures
- ◆ High-performing architectures
- ◆ Secure applications and architectures
- ◆ Cost-optimized architectures
- ◆ Architectural decision-making patterns

CERTIFICATION & OUTCOME

Prepares students for the AWS Certified Solutions Architect – Associate exam.

AWS Certified Security Specialty (Security Engineering on AWS)

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course covers how to use AWS-native security services to protect AWS workloads. Students cover infrastructure security, identity and access management, data protection, logging, and incident response on AWS.

WHAT YOU'LL LEARN

- ◆ IAM, federation, and access control
- ◆ Network and infrastructure security
- ◆ Data protection in transit and at rest
- ◆ Logging, monitoring, and incident response
- ◆ Compliance and governance on AWS

CERTIFICATION & OUTCOME

Prepares students for the AWS Certified Security – Specialty exam.

AWS Certified AI Practitioner (AIF-C01)

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

This 2-day course prepares anyone working with AWS to understand the platform's AI and ML services at a foundational level — when to use them, how they work, and how to apply them responsibly.

WHAT YOU'LL LEARN

- ◆ Fundamentals of AI/ML on AWS
- ◆ Generative AI services (Amazon Bedrock, etc.)
- ◆ Selecting models and services for use cases
- ◆ Responsible AI on AWS
- ◆ Governance, security, and cost

CERTIFICATION & OUTCOME

Prepares students for the AWS Certified AI Practitioner (AIF-C01) exam.

AWS Certified Data Engineer – Associate

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course teaches data engineers how to design, build, secure, and maintain data pipelines and data stores on AWS using services such as Glue, Redshift, Athena, Kinesis, and Lake Formation.

WHAT YOU'LL LEARN

- ◆ Data ingestion and transformation
- ◆ Data stores: warehouses, lakes, and lakehouses
- ◆ Data operations and orchestration
- ◆ Security, governance, and compliance
- ◆ Monitoring and optimization

CERTIFICATION & OUTCOME

Prepares students for the AWS Certified Data Engineer – Associate exam.

AWS Certified Machine Learning Engineer – Associate

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course teaches ML engineers how to design, deploy, and operate machine learning solutions on AWS. Hands-on labs focus on Amazon SageMaker and supporting AWS services.

WHAT YOU'LL LEARN

- ◆ Data preparation for ML on AWS
- ◆ Model development with SageMaker
- ◆ Deployment, hosting, and operations
- ◆ Monitoring, retraining, and governance
- ◆ Cost and performance optimization

CERTIFICATION & OUTCOME

Prepares students for the AWS Certified Machine Learning Engineer – Associate exam.

AWS Certified CloudOps Engineer – Associate (Cloud Operations on AWS)

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course covers how to deploy, operate, and maintain AWS workloads as a CloudOps engineer. Students cover monitoring, automation, security operations, and high availability.

WHAT YOU'LL LEARN

- ◆ Monitoring, logging, and alerting
- ◆ Automation with CloudFormation and SSM
- ◆ Networking and connectivity for operations
- ◆ Security operations on AWS
- ◆ High availability and disaster recovery

CERTIFICATION & OUTCOME

Prepares students for the AWS Certified CloudOps Engineer – Associate exam.

AWS DevOps Certified Engineer – Professional (DevOps Engineering on AWS)

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course teaches advanced practitioners how to implement modern DevOps practices on AWS – CI/CD, infrastructure as code, configuration management, monitoring, and incident response – at scale.

WHAT YOU'LL LEARN

- ◆ CI/CD on AWS (CodePipeline, CodeBuild, CodeDeploy)
- ◆ Infrastructure as code (CloudFormation, CDK)
- ◆ Configuration management and immutable infrastructure
- ◆ Monitoring, logging, and observability
- ◆ Incident response and high availability

CERTIFICATION & OUTCOME

Prepares students for the AWS Certified DevOps Engineer – Professional exam.

Building Agentic AI with Amazon Bedrock AgentCore

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

This 2-day course teaches developers how to build agentic AI applications on AWS using Amazon Bedrock and AgentCore – multi-step reasoning, tool use, and integration with enterprise systems.

WHAT YOU'LL LEARN

- ◆ Agent architectures on Bedrock
- ◆ Tool integration and function calling
- ◆ Memory, state, and orchestration
- ◆ Evaluation and guardrails
- ◆ Production deployment and monitoring

CERTIFICATION & OUTCOME

Hands-on training; no certification exam.

Advanced Generative AI Development on AWS

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course is for developers building advanced generative AI applications on AWS. Topics include retrieval-augmented generation, fine-tuning, custom models, agentic workflows, and production-grade evaluation.

WHAT YOU'LL LEARN

- ◆ Advanced RAG patterns on AWS
 - ◆ Model selection and fine-tuning
-

- ◆ Building agentic workflows
- ◆ Evaluation, observability, and guardrails
- ◆ Production deployment and cost control

C E R T I F I C A T I O N & O U T C O M E

Hands-on training; no certification exam.

AWS Security Essentials

◆ 1 - D A Y | L I V E • I N S T R U C T O R - L E D

This 1-day course gives technical professionals a working knowledge of the AWS security model and the most important AWS services for protecting cloud workloads.

W H A T Y O U ' L L L E A R N

- ◆ AWS security model and shared responsibility
- ◆ IAM and access management essentials
- ◆ Network security on AWS
- ◆ Data protection essentials
- ◆ Logging and monitoring basics

C E R T I F I C A T I O N & O U T C O M E

No certification exam — foundational training.

AWS Cloud Financial Management for Builders

◆ 2 - D A Y | L I V E • I N S T R U C T O R - L E D

This 2-day course teaches technical teams how to design and operate AWS workloads with cost in mind — using cost-management tools, understanding pricing, and applying FinOps practices.

W H A T Y O U ' L L L E A R N

- ◆ AWS pricing models
- ◆ Cost allocation, tagging, and budgets
- ◆ Cost-optimization patterns
- ◆ Reserved capacity and savings plans
- ◆ FinOps and ongoing cost governance

C E R T I F I C A T I O N & O U T C O M E

No certification exam — practitioner-focused training.

P R O G R A M M I N G & D E V E L O P M E N T

DRUPAL

Developing Drupal 7 Websites: Developer Immersion

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

In this 4-day Drupal 7 training course, students new to Drupal will learn the following.

W H A T Y O U ' L L L E A R N

- ◆ Drupal 7 installation
- ◆ To plan sites that are easy to use and manage
- ◆ To add content
- ◆ To incorporate powerful site features without programming
- ◆ To run your site safely and efficiently

P R E R E Q U I S I T E S

There are no prerequisites for this course.

Developing Drupal 8 Websites: Developer Immersion

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

In this 4-day Drupal 8 training course, students new to Drupal will learn the following: How to better manage content using custom blocks and views

W H A T Y O U ' L L L E A R N

- ◆ To display content in multiple ways, taking advantage of display modes
 - ◆ To create custom modules with YAML and Symfony 2
 - ◆ To translate content using the new multilingual capabilities
 - ◆ To Use RESTful services and JavaScript frameworks to build headless websites
 - ◆ To Manage Drupal configuration from one server to another easily
-

C E R T I F I C A T I O N & O U T C O M E

Students should have previous experience with Drupal to get the most from this course.

Learn Drupal 7: Site Building and Theming Best Practices

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

In this 2-day Drupal 7 training course, front-end developers, designers will learn the following.

W H A T Y O U ' L L L E A R N

- ◆ How to manage users
- ◆ How to add custom content and manage content
- ◆ Content references and relationships
- ◆ Content flagging and bookmarking
- ◆ Maintain a secure website

C E R T I F I C A T I O N & O U T C O M E

Students should have previous experience with Drupal to get the most from this course.

Learn Drupal 8: Site Building and Theming Best Practices

◆ 2 - DAY | LIVE • INSTRUCTOR-LED

In this 2-day Drupal 8 training course, front-end developers, designers will learn the following.

W H A T Y O U ' L L L E A R N

- ◆ To create beautiful responsive Drupal 8 websites using Twig
- ◆ Mater theme administration, custom block layouts, view, and the Twig template structure

C E R T I F I C A T I O N & O U T C O M E

Students should have previous experience with Drupal to get the most from this course.

P R O G R A M M I N G & D E V E L O P M E N T

C, C++ & JAVA

C Programming

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

In this 3-day course, C programmers will learn the following.

WHAT YOU'LL LEARN

- ◆ About basic and derived data types
- ◆ About parameter passing
- ◆ About standard and low level file I/O
- ◆ How to work with malloc and calloc
- ◆ About the memory layout of C programs
- ◆ About linked lists

CERTIFICATION & OUTCOME

Students should have previous experience programming in C.

Introduction to C Programming

◆ 2 - DAY | LIVE • INSTRUCTOR - LED

In this 2-day course, C programmers will learn the following.

WHAT YOU'LL LEARN

- ◆ Problem analysis
- ◆ Logic design
- ◆ Program coding
- ◆ Testing and debugging

PREREQUISITES

No previous programming experience is necessary.

Intermediate C Programming

◆ 5 - DAY | LIVE • INSTRUCTOR - LED

In this 5-day course, C programmers will learn the following.

WHAT YOU'LL LEARN

- ◆ Write a variety of C programs
- ◆ Understand variable attributes such as local, global, external, and static
- ◆ Write programs that perform file and interactive I/O
- ◆ Understand how C implements data structures

PREREQUISITES

Before taking this class, student should take Introduction to C Programming or have the equivalent experience.

C++ Programming

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

In this 5-day course, non-programmers will learn the following.

WHAT YOU'LL LEARN

- ◆ About the core C features of C++
- ◆ C++ class construct
- ◆ About memory management, scope, and access control mechanisms
- ◆ About Polymorphisms and virtual functions and inheritance

PREREQUISITES

No previous programming experience is necessary.

Java Programming

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

In this 5-day course, non-programmers will learn the following.

WHAT YOU'LL LEARN

- ◆ About the Java language syntax
- ◆ About the object-oriented feature of the Java language
- ◆ To use I/O streams, collections, Swing GUI programming, threads, and accessing a database with JDBC

CERTIFICATION & OUTCOME

Professional programming experience in C, C++ or C# is required.

S E C T I O N 0 5

MICROSOFT OFFICE & PRODUCTIVITY

Make the everyday tools work harder for your team.

C A T E G O R I E S I N T H I S S E C T I O N

MICROSOFT WORD	3 courses
MICROSOFT EXCEL	3 courses
MICROSOFT OUTLOOK	2 courses
MICROSOFT ACCESS	3 courses
MICROSOFT PROJECT	3 courses
MICROSOFT POWERPOINT	2 courses
MICROSOFT SHAREPOINT	4 courses

TOTAL: **20 COURSES**

MICROSOFT WORD

Microsoft Word 2016 Introduction

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course is designed to teach you about the tools and features of Microsoft Word 2016. You will learn how to: Create documents Format text Insert pictures, headers and footers Create and format tables There are no prerequisites for these courses.

Microsoft Word 2016 Intermediate

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course is designed to teach you to use the more advanced tools and features of Microsoft Word 2016. You will learn how to.

WHAT YOU'LL LEARN

- ◆ Use Shapes, WordArt, and SmartArt
- ◆ Manage Documents
- ◆ Insert References and Hyperlinks
- ◆ Save and Share Documents

PREREQUISITES

There are no prerequisites for these courses, however MS Word 2016 Introduction might be helpful.

Microsoft Word 2016 Advanced

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course is designed to teach you to advanced skills for power users of Microsoft Word 2016. You will learn: Advanced formatting Advanced document management Using references Creating mailings Creating and using macros and forms MS Word 2016 Introduction and Intermediate will be helpful for this class.

M I C R O S O F T O F F I C E & P R O D U C T I V I T Y

MICROSOFT EXCEL

Microsoft Excel 2016 Introduction

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course provides the basic concepts and skills to start being productive with Excel 2016. You will learn to: Create worksheets Format Manipulate data Create charts MS Excel 2016 Introduction does not require and prerequisites.

Microsoft Excel 2016 Intermediate

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course builds on the concepts and skills of the Introduction course for more advanced analysis and presentation. You will learn to.

WHAT YOU'LL LEARN

- ◆ Manage workbooks
- ◆ Use names in formulas
- ◆ Manipulate tables
- ◆ Summarize data
- ◆ Use PivotTables

CERTIFICATION & OUTCOME

MS Excel 2016 Intermediate does not require any prerequisites, but the MS Excel 2016 Introduction course is helpful.

Microsoft Excel 2016 Advanced

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course provides advanced tools for solving real-world problems in MS Excel 2016. You will learn

W H A T Y O U ' L L L E A R N

- ◆ Logical and lookup functions
- ◆ Advanced formulas
- ◆ Special functions
- ◆ Importing and exporting
- ◆ Analysis
- ◆ Macros and forms

C E R T I F I C A T I O N & O U T C O M E

MS Excel 2016 Introduction and Intermediate or equivalent experience are recommended.

M I C R O S O F T O F F I C E & P R O D U C T I V I T Y

MICROSOFT OUTLOOK

Microsoft Outlook 2016 Introduction

◆ 1 - D A Y | L I V E • I N S T R U C T O R - L E D

This 1- day, instructor-led course is designed to introduce you to the use of Microsoft Outlook 2016 in the workplace. After taking these courses, you will be able to manage.

W H A T Y O U ' L L L E A R N

- ◆ Email messages
- ◆ Contacts
- ◆ Tasks
- ◆ Events & calendars
- ◆ Meeting requests

P R E R E Q U I S I T E S

There are no prerequisites for these courses.

Microsoft Outlook 2016 Advanced

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1- day, instructor-led course is designed to introduce you to the use of Microsoft Outlook 2016 in the workplace. After taking these courses, you will be able to manage.

WHAT YOU'LL LEARN

- ◆ Collaboration
- ◆ Mailbox Management
- ◆ Contact and calendar management

CERTIFICATION & OUTCOME

MS Outlook 2016 Introduction is recommended before taking this course.

M I C R O S O F T O F F I C E & P R O D U C T I V I T Y

MICROSOFT ACCESS

Microsoft Access 2016 Introduction

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led courses is designed to teach you a working knowledge of Microsoft Access 2016 in the workplace. This course will teach you.

WHAT YOU'LL LEARN

- ◆ Database Concepts
- ◆ Access Basics
- ◆ To create databases
- ◆ To work with fields and records
- ◆ Create and use forms
- ◆ Create and use reports

PREREQUISITES

There are no prerequisites for this course.

Microsoft Access 2016 Intermediate

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led builds on the knowledge of Microsoft Access 2016 in the workplace. This course will teach you.

WHAT YOU'LL LEARN

- ◆ Relational Database Concepts
- ◆ To perform calculations
- ◆ To work with advanced form functions and report functions
- ◆ Design and create tables

CERTIFICATION & OUTCOME

MS Access 2016 Introduction is recommended before taking this course.

Microsoft Access 2016 Advanced

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led shows you how to bring all the different Access objects to use advanced functions. This course will teach you: c

WHAT YOU'LL LEARN

- ◆ To design an application
- ◆ Macros
- ◆ Programming
- ◆ Subforms, dialog boxes and controls

CERTIFICATION & OUTCOME

MS Access 2016 Introduction and Intermediate are recommended before taking this course.

M I C R O S O F T O F F I C E & P R O D U C T I V I T Y

MICROSOFT PROJECT

Microsoft Project 2016 Introduction

◆ 1 - DAY | LIVE • INSTRUCTOR - LED

This 1-day, instructor-led addresses the features of MS Project. Students will learn to do the following.

WHAT YOU'LL LEARN

- ◆ Navigate and understand the important features of the Microsoft Project environment
- ◆ Create a new project schedule from scratch
- ◆ Understand and work with task types, scheduling options, and task constraints
- ◆ Work with resources, including scheduling and assignment
- ◆ Manage the project schedule in accordance with the critical path and project baseline
- ◆ Print project views, dashboards, and various other kinds of reports

PREREQUISITES

There are no prerequisites for this course.

Microsoft Project 2016 Advanced

◆ 1 - DAY | LIVE • INSTRUCTOR - LED

This 1-day, instructor-led addresses the advanced features of MS Project. Students will learn to do the following.

WHAT YOU'LL LEARN

- ◆ Work with the Quick Access Toolbar and advanced calendar topics
- ◆ Add task notes; set task deadlines and priorities; and group, sort, filter, highlight, and add fixed costs to tasks
- ◆ Group, sort, filter, and highlight resources; set resource working-time exceptions and pool resources for sharing; and create resource budget cost items
- ◆ Work with multiple baselines and interim plans, update a project schedule using a status date, and resolve resource conflicts and scheduling issues
- ◆ Use the Task Form, Task Details Form, and Task Name Form; use the Resource Form and Resource Name Form; and understand the Relationship Diagram and compound views
- ◆ Consolidate projects using Master projects and Subprojects; and work with Project Server, Project Online, and SharePoint
- ◆ Use Project data in other applications, and create final reports

CERTIFICATION & OUTCOME

Students should have some experience with MS Project to take this course.

MS 50413: Mastering Microsoft Project 2010

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day, instructor-led course is aimed at IT professionals who work with Microsoft Project 2010. It covers.

WHAT YOU'LL LEARN

- ◆ Initializing Project 2010
- ◆ Task-based schedule creation
- ◆ Managing tasks & company resources
- ◆ Communicating project information
- ◆ Project tracking & analysis

PREREQUISITES

This course will prepare you for the Microsoft 70-178 exam. There are no prerequisites for this course. However, it may be helpful to have a basic understanding of project management principles before attending.

M I C R O S O F T O F F I C E & P R O D U C T I V I T Y

MICROSOFT POWERPOINT

Microsoft PowerPoint 2016 Introduction

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course is designed to introduce you to Microsoft PowerPoint 2016 in the workplace. After taking this course, you will understand how to.

WHAT YOU'LL LEARN

- ◆ Develop a presentation
 - ◆ Add graphical elements
 - ◆ Add charts, tables and graphs
 - ◆ Deliver your presentation
-

P R E R E Q U I S I T E S

There are no prerequisites for these courses.

Microsoft PowerPoint 2016 Advanced

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

This 1-day, instructor-led course builds on the concepts Microsoft PowerPoint 2007 Introduction. After taking this course, you will understand how to.

W H A T Y O U ' L L L E A R N

- ◆ Customizing Design Templates
- ◆ Adding SmartArt
- ◆ Working with Media
- ◆ Collaborating
- ◆ Customizing a Slideshow
- ◆ Securing and Distributing a Presentation

C E R T I F I C A T I O N & O U T C O M E

MS PowerPoint 2016 is recommended before taking this course.

M I C R O S O F T O F F I C E & P R O D U C T I V I T Y

MICROSOFT SHAREPOINT

MS 50468: SharePoint 2010 End User Level 1

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day, instructor-led course is directed toward any IT or business professional who uses SharePoint sites. It will teach you how to work with.

W H A T Y O U ' L L L E A R N

- ◆ SharePoint Lists
- ◆ List Management tasks
- ◆ Permissions
- ◆ Basic SharePoint Foundation sites

P R E R E Q U I S I T E S

Before taking this course, you should have a basic understanding of website functionality and experience working with SharePoint sites.

MS 50469: SharePoint 2010 End User Level 2**◆ 2 - DAY | LIVE • INSTRUCTOR-LED**

This 2-day, instructor-led course is intended for anyone responsible for managing SharePoint sites. It covers.

W H A T Y O U ' L L L E A R N

- ◆ The new SharePoint navigation ribbon
- ◆ New end user features
- ◆ New features of My Sites
- ◆ Social computing features such as ranking & tagging

P R E R E Q U I S I T E S

Before taking this course, you must successfully complete MS 50468: SharePoint 2010 End User Level 1.

Microsoft SharePoint End User**◆ 1 - DAY | LIVE • INSTRUCTOR-LED**

This 1-day, instructor-led course is customized to work with DISA DEPS governance. It covers.

W H A T Y O U ' L L L E A R N

- ◆ Accessing SharePoint
- ◆ SharePoint Libraries
- ◆ Search
- ◆ Using SharePoint Task Lists
- ◆ Working with Calendars
- ◆ SharePoint Wikis
- ◆ Discussion Boards

P R E R E Q U I S I T E S

Students should have some experience with MS Office.

Microsoft SharePoint (Customized)

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day, instructor-led course is customized to work with DISA DEPS governance. It covers.

WHAT YOU'LL LEARN

- ◆ Organization and Development of SharePoint Sites
- ◆ Site Collections
- ◆ Libraries and Lists
- ◆ Managing Permissions
- ◆ Office Integration
- ◆ Search and Views
- ◆ Consistency Across Sites
- ◆ Displaying Data with Web Parts
- ◆ Document Management through Workflows

PREREQUISITES

Students should have some experience with MS Office.

SECTION 06

GOVERNMENT & COMPLIANCE

RMF, eMASS, and the frameworks federal teams run on.

CATEGORIES IN THIS SECTION

RISK MANAGEMENT FRAMEWORK (RMF)**4** courses**EMASS COURSES****3** courses**OTHER GOVERNMENT TRAINING****2** courses**CMMC COURSES****2** courses**GLOBAL SPACE UNIVERSITY****2** courses**CyNtell LIVE COURSES****2** courses**TOTAL: 15 COURSES**

RISK MANAGEMENT FRAMEWORK (RMF)

RMF

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course is designed for IT security professionals based on the Risk Management Framework used by the DoD. It covers.

WHAT YOU'LL LEARN

- ◆ The RMF process
- ◆ NIST baseline security controls
- ◆ Documentation package
- ◆ Continuous monitoring process
- ◆ DoDI 8510.01
- ◆ NIST 800-53 security controls
- ◆ NIST 800-53a evaluation procedures

PREREQUISITES

This course replaces DIACAP and provides universal cyber security training for all federal agencies. There are no prerequisites for this course. However, you are encouraged to have a general working knowledge of information systems prior to enrollment.

Risk Management Framework (RMF) for DoD IT

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

Our 4-day, instructor-led course is designed to prepare students to implement the Risk Management Framework for their IT systems as prescribed in the updated DoD series of publications, as well as the related NIST and CNSS publications. No matter what type, or security categorization your system, products, or service is, RMF for DoD IT will help you meet or exceed DoD and Federal compliance requirements.

PREREQUISITES

Individuals attending this class should have knowledge and experience with information system security and best practices.

Risk Management Framework (RMF) for Security Control Assessors

LIVE • INSTRUCTOR-LED

This RMF course provides an in-depth look at testing the controls using NIST SP 800-53A Rev. 4 and ensuring the use of the Risk Management Framework (RMF) for Federal Security Systems. Expert instructors explain of each NIST SP 800-53 Revision 4 controls to include what method should be used to test and validate each security control in accordance with NIST SP 800-53A, Rev. 4 and NIST SP 800-115, what evidence should be gathered, and how to more efficiently and effectively test Federal systems and infrastructure. The course introduces the independent tester or Validator to test the process for any of the Federal IA controls using manual and automated tests to ensure all controls are tested properly.

PREREQUISITES

Individuals attending this class should have a minimum of 3 years' experience with information system security and best practices. In addition, students should have some knowledge of NIST SP 800-53A, Rev. 4, NIST SP 800-115, NIST SP 800-37, NIST SP 800-39 and the development of the Security Assessment Report (SAR), and Plan of Action and Milestones (POA&M).

RMF for Program Managers

♦ 2 - DAY | LIVE • INSTRUCTOR-LED

This 2-day course is a high-level training which introduces Risk Management Framework (RMF), including a review of the laws, policy, and regulations that govern the process, the roles and responsibilities associated with the RMF, introducing risk, the 6 steps, planning for an assessment, and the documentation and artifacts required. It will primarily focus on the PM's role on the RMF process and the impact that it can have to the cost, timeline and authorization to operate

G O V E R N M E N T & C O M P L I A N C E

EMASS COURSES

eMASS Direct User Training

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

Through this 5-day course, students learn to navigate eMASS to support the creation, assessment, and authorization of a completed A&A package. Most importantly, students spend 50% of the class working with eMASS in a full Beta environment managed by the DoD for training purposes to create a complete authorization package. Our experienced instructors take the time to guide students through every role with eMASS. They customize the training session, so students walk away ready to provide their agency with the full benefit of this important tool. Our 5-day course, complete with an exit exam, ensures that students can take advantage of this crucial tool. Because of the full hands-on nature of this class and the sensitivity of eMASS, this class can only be run at the client's location. Clients must be able to connect with the .mil network to access the BETA version of eMASS. Our operations team will make sure that your system is set up for a seamless 5 days of instruction and practice.

PREREQUISITES

Students should have access to a government computing system with an associated CAC and reader.

eMASS Managers Overview

◆ 1 - DAY | LIVE • INSTRUCTOR-LED

Through this 1-day course, students will proceed step-by-step through the RMF authorization process. Our qualified instructors show cybersecurity leaders how to get the most out of every vital screen. Students in this course will be the go-to authority on every important field and feature. Approach your next A&A with the knowledge that gets results!

PREREQUISITES

Students should have knowledge of and experience with information security systems and best practices

eMASS Workshop

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day workshop ensures that IA professionals are well versed in the capabilities and application of this dynamic tool. Students in our three-day workshop will learn to navigate eMASS to support the

creation, assessment, and authorization of a complete A&A package. In addition to expert instruction, students spend much of the class completing exercises that will prepare them to create a complete authorization package. Our experienced instructors guide students through every role with eMASS and customize the training session so students walk away ready to provide their team with the full benefit of this important tool. The course concludes with an exit exam to ensure that students have the knowledge to take full advantage of eMASS

PREREQUISITES

Students should have knowledge of and experience with information security systems and best practices.

GOVERNMENT & COMPLIANCE

OTHER GOVERNMENT TRAINING

Unit Testing with Visual Studio 2017

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day workshop ensures that students learn how to effectively use Visual Studio 2017 to enhance productivity while simplifying the most common tasks, allowing more time to focus on projects. This course teaches students what it takes to put it to work for your projects. Students will learn to use XAML tools to build classic WPF apps, and UWP tools to build apps targeting Windows 10. They will learn about .NET Core and then explore NuGet, the package manager for the Microsoft development platform. In addition, students will learn the debugging and live unit testing techniques that comes with the IDE. Finally, they will adapt Microsoft's implementation of cloud computing with Azure, and the Visual Studio integration with Source Control repositories.

PREREQUISITES

Students should have knowledge of and experience with information security systems and best practices.

Unit Testing with Android Studio

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day workshop introduces the Android Studio software, then moves straight into UI development using the sophisticated, WYSIWYG layout editor and XML code to design and test complex interfaces for a wide variety of screen configurations. In addition, the course covers application logic development, exploring the latest APIs provided by the SDK. One of Android Studio's greatest features is the large number of third-party plugins available for it, and this course explores the most useful of these, along with samples and libraries that can be found on GitHub. Finally, the course deals with the final stages of development: building and distribution.

PREREQUISITES

Students should have knowledge of and experience with information security systems and best practices.

GOVERNMENT & COMPLIANCE

CMMC COURSES

CCP (Certified CMMC Professional)

◆ 4-DAY | LIVE • INSTRUCTOR-LED

This 4-day instructor-led course prepares cybersecurity professionals for the Cyber-AB Certified CMMC Professional (CCP) exam. Students learn the CMMC model, scoping, FCI and CUI handling, and the role of a CCP on an assessment team.

WHAT YOU'LL LEARN

- ◆ CMMC model architecture and levels
- ◆ Scoping Federal Contract Information (FCI) and CUI
- ◆ CCP roles and responsibilities
- ◆ Mapping NIST SP 800-171 controls to CMMC
- ◆ Assessment methodology and ethics

CERTIFICATION & OUTCOME

Prepares students for the Cyber-AB Certified CMMC Professional (CCP) exam.

PREREQUISITES

Familiarity with information security and DFARS/NIST SP 800-171 is recommended.

CCA (Certified CMMC Assessor)

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day instructor-led course prepares CCPs to perform as Certified CMMC Assessors at Level 2. Topics include assessment planning, evidence collection, scoring, and reporting against the CMMC model.

WHAT YOU'LL LEARN

- ◆ Assessment planning and scoping
- ◆ Evidence collection and review
- ◆ Interview and observation techniques
- ◆ Scoring CMMC Level 2 assessments
- ◆ Reporting and Cyber-AB requirements

CERTIFICATION & OUTCOME

Prepares students for the Cyber-AB Certified CMMC Assessor (CCA) exam.

PREREQUISITES

Active CCP credential is required.

G O V E R N M E N T & C O M P L I A N C E

GLOBAL SPACE UNIVERSITY

Certified Space Cybersecurity Professional

◆ 5 - DAY | LIVE • INSTRUCTOR-LED

This 5-day course from Global Space University prepares cybersecurity professionals to protect space-based systems — satellites, ground stations, and launch infrastructure — against modern threats.

WHAT YOU'LL LEARN

- ◆ Space-system architecture and attack surface
- ◆ Threats and adversary tradecraft against space assets
- ◆ Ground-segment and link security
- ◆ Onboard and payload security
- ◆ Standards, governance, and incident response

LIVE TRAINING • EXPERT INSTRUCTORS • REAL RESULTS

C E R T I F I C A T I O N & O U T C O M E

Prepares students for the Global Space University Certified Space Cybersecurity Professional credential.

Space Operations Fundamentals

◆ 3 - DAY | LIVE • INSTRUCTOR - LED

This 3-day course provides a foundation in modern space operations — orbits, launch and recovery, communications, and the commercial and government landscape that shapes the industry.

W H A T Y O U ' L L L E A R N

- ◆ Orbital mechanics fundamentals
- ◆ Spacecraft systems overview
- ◆ Launch, on-orbit, and recovery phases
- ◆ Ground operations and communications
- ◆ Industry landscape and policy

C E R T I F I C A T I O N & O U T C O M E

Foundational credential offered through Global Space University.

G O V E R N M E N T & C O M P L I A N C E

CyNtell LIVE COURSES

Cyber Safety Training

◆ 4 - DAY | LIVE • INSTRUCTOR - LED

This 4-day CyNtell Live course delivers foundational cybersecurity awareness for non-technical staff and the technical baseline expected of every employee handling sensitive data in regulated environments.

W H A T Y O U ' L L L E A R N

- ◆ Common threats: phishing, social engineering, malware
- ◆ Identity, password, and access hygiene
- ◆ Working safely with email, web, and mobile
- ◆ Handling sensitive and regulated data

- ◆ Incident reporting and response

C E R T I F I C A T I O N & O U T C O M E

CyNtell Live completion credential.

Data Analysis Level 1

◆ 3 - D A Y | L I V E • I N S T R U C T O R - L E D

This 3-day CyNtell Live course gives professionals the foundational skills to analyze data with modern tools — covering data preparation, exploratory analysis, visualization, and basic statistical reasoning.

W H A T Y O U ' L L L E A R N

- ◆ Data sources, formats, and quality
- ◆ Exploratory data analysis
- ◆ Visualization fundamentals
- ◆ Descriptive statistics and basic inference
- ◆ Communicating analytical findings

C E R T I F I C A T I O N & O U T C O M E

CyNtell Live completion credential.

S E C T I O N 0 7

PROJECT MANAGEMENT

Run IT projects on time, on scope, on budget.

C A T E G O R I E S I N T H I S S E C T I O N

PROJECT MANAGEMENT COURSES

5 courses

TOTAL: **5 COURSES**

PROJECT MANAGEMENT COURSES

PMI® Agile Certified Practitioner (PMI®-ACP®)

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day, instructor-led course is intended for project management professionals who use Agile practices in their organization. It covers.

WHAT YOU'LL LEARN

- ◆ Agile principles & practices
- ◆ The Agile software development methodology
- ◆ The latest Agile developments in the field

CERTIFICATION & OUTCOME

This course will prepare you for the PMI®-ACP® Certification.

PREREQUISITES

Before taking this course, you should have at least 2000 hours of project management experience or the PMI® PMP® Certification. You should also have an additional 1500+ hours working with Agile.

Project Management for the IT Professional

◆ 4 - DAY | LIVE • INSTRUCTOR-LED

This 4-day, instructor-led course is ideal for current project managers and project team members. This training provides students with an understanding of.

WHAT YOU'LL LEARN

- ◆ IT Project Management skills
- ◆ Roles and responsibilities
- ◆ Context and process groups
- ◆ Controlling costs
- ◆ Managing scope
- ◆ Effective time management
- ◆ Integration management

PREREQUISITES

There are no prerequisites for this course.

Confluence**LIVE • INSTRUCTOR-LED**

This three-day instructor-led course teaches the essential features and functionalities of Atlassian Confluence, including creating and organizing content, collaborating with team members, customizing Confluence spaces, and optimizing workflows. By the end of this course, participants will be able to.

WHAT YOU'LL LEARN

- ◆ Understand the fundamentals of Atlassian Confluence
- ◆ Create and organize content effectively in Confluence
- ◆ Collaborate with team members using Confluence features
- ◆ Customize Confluence spaces to suit their organization's needs

PMP (Project Management Professional)**◆ 5-DAY | LIVE • INSTRUCTOR-LED**

This 5-day course is the standard preparation for the PMI PMP exam. It covers predictive, agile, and hybrid project management approaches across the full PMI Examination Content Outline.

WHAT YOU'LL LEARN

- ◆ People domain — leading and engaging teams
- ◆ Process domain — execution and delivery
- ◆ Business environment domain — strategic alignment
- ◆ Predictive, agile, and hybrid approaches
- ◆ Exam strategy and practice questions

CERTIFICATION & OUTCOME

Prepares students for the PMI Project Management Professional (PMP) exam.

PREREQUISITES

PMI eligibility requirements (35 contact hours of project management education and qualifying experience).

CAPM (Certified associate in project management)

◆ 3 - DAY | LIVE • INSTRUCTOR-LED

This 3-day course prepares aspiring project professionals for the PMI CAPM exam, covering fundamentals of project management, predictive and agile approaches, and business analysis basics.

WHAT YOU'LL LEARN

- ◆ Project management fundamentals
- ◆ Predictive plan-based methodologies
- ◆ Agile frameworks and practices
- ◆ Business analysis frameworks
- ◆ CAPM exam preparation

CERTIFICATION & OUTCOME

Prepares students for the PMI Certified Associate in Project Management (CAPM) exam.