

General Services Administration  
Federal Supply Service  
Authorized Federal Supply  
Schedule Price List

Online access to contract ordering information, terms, and conditions, up to date pricing, and the option to create an electronic delivery order are available through GSA Advantage!®, a menu driven database system. The INTERNET address GSA Advantage!® is: GSAAAdvantage.gov.

## Multiple Award Schedule Information Technology

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**Contract Number: GS-35F-0311S**

**Contract Period: March 23, 2021 to March 22, 2026**

Current through Mod PS-0048 effective 03/25/2022

SPECIAL ITEM No. 611420 -IT TRAINING

(FPDS Code U012)

SPECIAL ITEM No. 54151S -INFORMATION  
TECHNOLOGY PROFESSIONAL SERVICES

(FPDS Code D399)

**Company Information:**

Phoenix Technology Solutions, LLC  
DBA Phoenix TS

10420 Little Patuxent Parkway  
20 Corporate Center, Ste 500  
Columbia, MD 21044

Telephone: (240) 667-7757

Fax: (301) 309-0004

Website: <http://www.phoenixts.com>

For more information on ordering from Federal  
Supply Schedules go to the GSA  
Schedules page at GSA.gov.



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## Customer Information:

1a. Table of awarded special item number(s) with appropriate cross reference to item descriptions and awarded price(s).

SPECIAL ITEM No. 611420 -IT TRAINING

SPECIAL ITEM No. 54151S -INFORMATION TECHNOLOGY PROFESSIONAL SERVICES

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. N/A

1c. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided.

Please see [PhoenixTS SIN 54151S Labor Categories](#) and [PhoenixTS SIN 54151S GSA Pricing](#)

2. Maximum order: SIN 611420- \$250,000; SIN 54151S- \$500,000

3. Minimum order: \$100

4. Geographic coverage (delivery area): 48 contiguous states, Alaska, Hawaii, Puerto Rico, Washington, DC, and U.S. Territories

5. Point(s) of production (city, county, and State or foreign country): US

6. All pricing listed in this pricelist is Net Pricing.

7. Quantity discounts: None.

8. Prompt payment terms: Net 30 days

Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions.

9. Foreign items: N/A

10a. Time of delivery: As agreed to between Phoenix TS and ordering activity

10b. Expedited Delivery: As agreed to between Phoenix TS and ordering activity

10c. Overnight and 2-day delivery: N/A.

10d. Urgent Requirements: Agencies can contact the Contractor's representative to affect a faster delivery.

11. F.O.B. point(s): Destination

12a Ordering address(es):

Phoenix Technology Solutions, LLC DBA Phoenix TS  
20 Corporate Center, Ste 500 10420 Little Patuxent Parkway  
Columbia, MD 21044

12b. Ordering procedures: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) are found in Federal Acquisition Regulation (FAR) 8.405-3.

13. Payment address(es):  
Phoenix Technology Solutions, LLC DBA Phoenix TS  
20 Corporate Center, Ste 500 10420 Little Patuxent Parkway  
Columbia, MD 21044

14. Warranty provision: N/A

15. Export packing charges, if applicable: N/A

16. Terms and conditions of rental, maintenance, and repair (if applicable): N/A

17. Terms and conditions of installation (if applicable): N/A

18a. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable): N/A

18b. Terms and conditions for any other services (if applicable): N/A

19. List of service and distribution points (if applicable): N/A

20. List of participating dealers (if applicable): N/A

21. Preventive maintenance (if applicable): N/A

22a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants): N/A

22b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g., contractor's website or other location.) The EIT standards can be found at: [www.Section508.gov/](http://www.Section508.gov/).  
[www.PhoenixTS.com](http://www.PhoenixTS.com)

23. Data Universal Number System (DUNS) number: 120222992

24. Notification regarding registration in System for Award Management (SAM) database: Phoenix Technology Solutions LLC's SAM registration is current and accurate.

## Phoenix TS SIN 611420 Training Course Descriptions

### **Course Name: Interconnecting Cisco Networking Devices1 (ICND 1)**

Course Number:1001

Course Description: This course focuses on developing skills that will allow you to implement small switched and routed networks that consist of 1 to 20 hosts connected to a single switch.

From being able to describe how networks work to being able to use command-line interfaces to discover neighbors and manage configurations, you will learn everything you need from the ground up.

Course Length: 3 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

### **Course Name: Interconnecting Cisco Networking Devices 2 (ICND 2)**

Course Number:1002

Course Description: The purpose of this five-day course is to teach you the skills necessary to use Cisco Catalyst switches and routers that are connected to LANs and WANs in medium sized networks.

Course Length: 5 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

### **Course Name: Cisco Certified Network Associate (CCNA)**

Course Number:1003

Course Description: This Cisco Certified Network Associate course gives students the skills and knowledge that they need to manage an entire network environment. Each course participant will learn how to properly install and operate a small to medium-size branch office. Students will be able to troubleshoot network problems and configure all of the parts of a network including switches and routers. These courses will also focus on implementing WAN connections and maintaining network security.

Course Length: 5 Day(s)



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Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: CCNP: Implementing Cisco IP Routing (ROUTE)**

Course Number: 1004

Course Description: The ROUTE course is fit for network engineers who possess at least one year of work experience professionally and are prepared to advance their IT skills and work on complex network solutions independently. Students will learn how to plan, configure and verify the implementation of secure enterprise routing solutions (LAN and WAN) using a range of routing protocols. This course also features configurations which best support branch offices as well as mobile workers.

Course Length: 5 Day(s)

Prerequisites: At least one year of networking experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: CCNP: Implementing Cisco IP Switched Networks (SWITCH)**

Course Number: 1005

Course Description: SWITCH is also best for the network engineer with one year of work experience minimum who is ready to take the next step in terms of working independently on network solutions of a complex nature. Students will learn about planning, configuring and verifying the implementation of complicated enterprise switching set ups using Cisco's Campus Enterprise Architecture. The course also includes secure integration of VLANs, WLANs, voice and video traffic into campus networks.

Course Length: 5 Day(s)

Prerequisites: At least one year of networking experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: CCNP: Troubleshooting and Maintaining Cisco IP Networks (TSHOOT)**

Course Number: 1006



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Course Description: TSHOOT is again with the network engineer who has a year of work experience in mind. It advances IT professionals to a point where they will ultimately be able to work on high-end network solutions independently. Students will acquire knowledge which enables them to (1) perform standard maintenance on complicated enterprise routed as well as switched networks and (2) utilize technology-based practices in combination with a systematic ITIL-compliant approach to execute network troubleshooting. Hands-on learning and reinforcement of troubleshooting skills is provided in extensive labs.

Course Length: 5 Day(s)

Prerequisites: At least one year of networking experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: ICOMM - Introducing Cisco Voice and Unified Communications Administration v8.1**

Course Number: 1007

Course Description: The ICOMM training course is available in both an online and in-person format. This 5-day training course is part of the CCNA Voice and CCNA Video certification tracks. It is designed to provide the necessary knowledge and skills to maintain and operate a Cisco Unified Communications solution that is based on Cisco Unified Communications Manager, Cisco Unified Communications Manager Express, Cisco Unified Presence and Cisco Unity Connection.

Course Length: 5 Days

Prerequisites: Networking experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Class Location: Client site or Phoenix TS provided site

**Course Name: IUWNE - Implementing Cisco Unified Wireless Networking Essentials v2.0**

Course Number: 1008

Course Description: The IUWNE training course is available in both an online and in-person format. This 5-day training course is designed to provide the necessary knowledge and skills to design, install, configure, monitor and troubleshoot the Cisco WLAN.

In addition, students will be led through all the exam objectives so that they are properly prepared to handle the CCNA Wireless certification exam at the end of the 5-day course.

Course Length: 5 Days



Prerequisites: Networking experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: IINS - Implementing Cisco IOS Network Security v2.0**

Course Number: 1009

Course Description: Formerly known as CCNA Security, the IINS training course is available in both an online and in- person format. This 5-day training course is designed to provide the necessary knowledge and skills to properly implement and monitor a comprehensive security policy.

In addition, students will be led through all the exam objectives so that they are properly prepared to handle the CCNA Security certification exam at the end of the 5-day course

Course Length: 5 Days

Prerequisites: Networking experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: DCUCI - Implementing Cisco Data Center Unified Computing v5.0**

Course Number: 1018

Course Description: The DCUCI training course is available in both an online and in-person format. This 5-day training course is part of the CCNP Data Center certification and is designed to provide the fundamental knowledge and skills necessary to manage, maintain, troubleshoot and execute an effective virtualization implementation strategy.

In addition, students will be led through all the exam objectives so that they are properly prepared to handle the DCUCI exam at the end of the 5-day course.

Course Length: 5 Days

Prerequisites: CCNA

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: DCMDS - Configuring Cisco MDS 9000 Series Switches**

Course Number: 1020



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Course Description: The DCMDS training course is available in both an online and in-person format. This 5-day training course is designed to provide the fundamental knowledge and skills necessary to configure and manage the Cisco MDS 9000 Series Switches.

Course Length: 5 Days

Prerequisites: CCNA

# of students/class: 1

Course Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Securing Cisco Networks with Threat Detection and Analysis (SCYBER)**

Course Number: 1021

Course Description: This course is designed for IT professionals pursuing their Cyber Security Specialist Certification and can empower them with the knowledge that can translate into the skills to operate on a security analysis team. The training focuses on fundamental cyber security concepts and terminology, the functionality of network security operations centers (SOC), and the skills/tools for monitoring, analyzing and responding to network security threats.

Course Length: 5 Days Prerequisites: CCNA

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: CompTIA A+**

Course Number: 1028

Course Description: Phoenix TS five-day CompTIA A+ course provides students with the best possible knowledge base for taking the A+ certification exam. The Phoenix TS A+ course involves hands on training, which expands the student's perspective and knowledge on a computer's hardware and their operating systems (DOS / Windows 9x, 2000 and XP). Upon completing this course, students will have the background they need to comprehend the basic fundamentals of PC technology, PC networking, and PC security. They will also possess the aptitude that is required to identify computer hardware, as well as peripheral, networking, and lastly, security components.

Course Length: 5 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: CompTIA Network+**

Course Number: 1029

Course Description: Phoenix TS 5-day CompTIA Network+ Boot Camp provides students the most complete preparation for the Network+ certification exam. This is an accelerated approach to learning which meets the demands of IT professionals who seek effective skill- building as it applies to the real world. Students graduate with the skills and knowledge required to handle installation, management and troubleshooting on various of networks living on platforms of any type. At the end of the training students will be ready to take their CompTIA Network+ Certification exam.

Course Length: 5 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: CompTIA Security+**

Course Number: 1030

Course Description: Phoenix TS 5-day CompTIA Security+ Boot Camp provides students the most complete preparation for the Security+ certification exam. This effective accelerated learning arrangement is designed for the IT professional who demands real-world skill- building while gaining their certification. Our Security+ training teaches students knowledge and skills needed to protect computers and networks from the theft or destruction of information or disruption of communication.

Course Length: 5 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: CompTIA Server+**

Course Number: 1031

Course Description: CompTIA Server+ awarded by CompTIA organization is a widely recognized certification in the area of server technologies. It certifies the technical knowledge and skills required to build, maintain, troubleshoot and support server hardware and software technologies.

Course Length: 5 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: CompTIA Linux+**

Course Number: 1032

Course Description: CompTIA Linux+ Powered by LPI is a high-stakes, vendor-neutral certification that validates the fundamental knowledge and skills required of junior Linux administrators.

Course Length: 5 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Certified Ethical Hacker (CEH)**

Course Number: 1035

Course Description: During our 5-day EC-Council Certified Ethical Hacker Certification (CEHv7) course at Phoenix TS, students will learn to look for the vulnerabilities and weaknesses in different target systems using the same knowledge and tools as a hacker.

Course Length: 5 Day(s)

Prerequisites: Experience in the Computer Security field is strongly recommended

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Computer Hacking Forensic Investigator (CHFI)**

Course Number: 1036

Course Description: The Computer Hacking Forensic Investigator course gives students the skills that they need to locate the online footprints of computer perpetrators. Forensic investigators can benefit from this course by learning how to effectively gather evidence to prosecute offenders. You will learn the latest information about forensic software, hardware and how to apply specialized forensic techniques.

Course Length: 5 Day(s)

Prerequisites: CEH certification is recommended

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: ECSA/LPT**

Course Number: 1037

Course Description: The course explores the analytical phase of ethical hacking. Through it, you will learn about the skills and tools needed to identify and correct security flaws in network infrastructure.

Course Length: 5 Day(s)

Prerequisites: CEH certification is recommended

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Certified Information Security Manager (CISM)**

Course Number: 1038

Course Description: Phoenix TS CISM course provides a common body of knowledge for information security management. The focus of this course is on information risk management as the basis of information security. Additionally, material on broader issues is included such as how to govern information security as well as information on practical issues such as developing and managing an information security program and how to respond when incidents arise.

Course Length: 5 Day(s)

Prerequisites: At least one year of IT Management experience

# of students/class:1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Certified Information Systems Auditor (CISA)**

Course Number: 1039

Course Description: CISA course covers topics such as IS audit process, IT Governance, Systems and infrastructure life-cycle management, IT service delivery and support, protection of information assets, business continuity and disaster recovery.

Course Length: 5 Day(s)

Prerequisites: A minimum of one year of information systems experience OR one year of financial or operational auditing experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: ITIL® 2011 Foundations**

Course Number: 1040

Course Description: In this 3-day exciting and dynamic course, you will prepare for and take the ITIL® 2011 Certification Exam. Students will get an introduction to the lifecycle of managing IT services to deliver to business expectations. In addition, students will gain the knowledge and practical skills to identify opportunities to develop IT processes using ITIL® 2011, interact with IT teams using ITIL® terminology and concepts, and recognize the importance of IT and business integration.

Course Length: 3 Day(s)

Prerequisites: At least one year of IT Management experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: ITIL® 2011 Lifecycle - Service Strategy (SS)**

Course Number: 1041

Course Description: This accredited CSME/APMG training program is designed for students seeking a specialist certification in ITIL's Service Strategy area of practice. Students who are applicable for this program include the following: executives, managers, team leaders, supervisory staff, planners and architects who currently hold a valid 2011 Foundation certificate. This qualification will provide students with a complete overview of Service Strategy subjects including all of its related activities. These activities include the designing, developing, and implementation of service management not only as an important organizational ability but also as a strategic asset.

Course Length: 3 Day(s)



Prerequisites: At least one year of IT Management experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: ITIL® 2011 Lifecycle - Service Design (SD)**

Course Number: 1042

Course Description: This accredited CSME/APMG training program is for individuals seeking to achieve a specialist certification in ITIL's Service Design practice area. Candidates for this program include managers, executives, team leaders, supervisory staff, architects and planners who possess a V3 Foundation certificate

Course Length: 3 Day(s)

Prerequisites: At least one year of IT Management experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: ITIL® 2011 Lifecycle - Service Transition (ST)**

Course Number: 1043

Course Description: This accredited CSME/APMG training program is for individuals seeking a specialist certification in ITIL's Service Transition practice area. Potential participants for this program include managers, executives, supervisory staff, team leaders, planners and architects who hold a V3 Foundation certificate.

Course Length: 3 Day(s)

Prerequisites: At least one year of IT Management experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: ITIL® 2011 Lifecycle - Service Operation (SO)**

Course Number: 1044

Course Description: This accredited CSME/APMG training program is for individuals seeking a specialist certification in ITIL's Service Operation practice area.

Course Length: 3 Day(s)



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Prerequisites: At least one year of IT Management experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: ITIL® 2011 Lifecycle - Continual Service Improvement (CSI)**

Course Number: 1045

Course Description: This accredited CSME/APMG training program is for participants searching for specialist certification in ITIL's Continual Service Improvement practice area. Candidates for this program include managers, executives, team leaders, supervisory staff, planners and architects who hold a 2011 Foundation certificate.

Course Length: 3 Day(s)

Prerequisites: At least one year of IT Management experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: ITIL® 2011 Capability - Operational Support & Analysis (OSA)**

Course Number: 1046

Course Description: The accredited CSME/APMG training program is for individuals searching for a specialist certification in ITIL's Operational Support & Analysis practice area. Candidates for this program are implementation and operation specialist who possess a Foundation certificate.

Course Length: 5 Day(s)

Prerequisites: At least one year of IT Management experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: ITIL® 2011 Capability - Release, Control & Validation (RCV)**

Course Number: 1047

Course Description: This accredited CSME/APMG training program is for students that are seeking a specialist certification in ITIL's Release, Control & Validation areas of practice. Candidates who qualify for this program will include implementation and operation specialists who are required to hold a V3 Foundation certificate.



Course Length: 5 Day(s)

Prerequisites: At least one year of IT Management experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: ITIL® 2011 Capability - Planning Protection & Optimization (PPO)**

Course Number: 1048

Course Description: This accredited CSME/APMG program is for students seeking a specialist certification within ITIL's Planning, Protection & Optimization areas of practice. Candidates that qualify for this program include individuals who have interest in becoming implementation and operation specialists and who hold a Foundation certificate from 2011.

Course Length: 5 Day(s)

Prerequisites: At least one year of IT Management experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: ITIL® 2011 Capability - Service Offerings & Agreements (SOA)**

Course Number: 1049

Course Description: This accredited CSME/APMG training program is designed for students seeking a specialist certification in ITIL's Service Offerings & Agreements areas of practice. Students who qualify for this program include individuals who are implementation and operation specialists who hold a valid 2011 Foundation certificate.

Course Length: 5 Day(s)

Prerequisites: At least one year of IT Management experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: ITIL® 2011 Capstone - Managing Across the Lifecycle (MALC)**

Course Number: 1050

Course Description: This accredited CSME/APMG training program is for individuals searching to take the final class to ITIL Expert. Candidates for this course must have already passed the exams to hold





the ITIL 2011 Foundation Certificate plus have incurred a further 15 credits from the ITIL Service Lifecycle track, the ITIL Service Capability track or a equaled selection from both ITIL Service Lifecycle and Service Capability qualifications. Documented evidence of this must be presented to enroll to this certification level.

Course Length: 5 Day(s)

Prerequisites: At least one year of IT Management experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Certified Wireless Network Administrator (CWNA)**

Course Number: 1051

Course Description: The CWNA certification is the foundation level enterprise Wi-Fi certification for the CWNP Program, and CWNA is required for your CWSP and CWNE certifications. Your CWNA certification will get you started in your wireless career by ensuring you have the skills to successfully survey, install, and administer enterprise Wi-Fi networks.

Course Length: 5 Day(s)

Prerequisites: Familiar with Wireless LAN Hardware and Software

# of students/class:1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Certified Wireless Security Professional (CWSP)**

Course Number: 1052

Course Description: The Certified Wireless Security Professional certification is the professional level wireless LAN certification for the CWNP Program. The CWSP certification will assist in advancing your career by helping to ensure that you have the skills needed to successfully secure enterprise Wi-Fi networks from hackers. This certification allows you to do all of this regardless of which brand of Wi-Fi gear your organization uses.

Course Length: 4 Day(s) Prerequisites: CWNA Certification

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Certified Wireless Technology Specialist (CWTS)**

Course Number: 1053

Course Description: The CWTS certification will validate the knowledge of enterprise WLAN sales as well as support professionals who need to be familiar and confident with the terminology and basic functionality used within enterprise 802.11 wireless networks.

Course Length: 2 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Certified Wireless Analysis Professional (CWAP)**

Course Number: 1055

Course Description: The CWAP certification is a professional level wireless LAN certification for the CWNP Program. The CWAP certification will advance your career by ensuring you have the skills to successfully analyze, troubleshoot, and optimize any enterprise Wi-Fi network, no matter which brand of Wi-Fi gear your organization deploys.

Course Length: 5 Day(s) Prerequisites: CWNA Certification

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Certified Information Systems Security Professional (CISSP)**

Course Number: 1070

Course Description: Phoenix TS 5-day CISSP course prepares you to pass the premier security certification, the Certified Information Systems Security Professional (CISSP). This course focuses on ten areas of discipline determined by (ISC)<sup>2</sup>. Professionals who complete this course will have a good working knowledge of the ten domains of knowledge of CISSP.

Course Length: 5 Day(s)

Prerequisites: Having in field of computer Security is recommended

# of students/class:1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Analytics/Basis Statics/Metric**

Course Number: 1100

Course Description: This four-day training course starts with introductory information about data—we define basic concepts such as variables, distribution, probability, and more. From here the course progresses to using standard analytical techniques to give data meaning.

Probability and decision making under uncertainty, statistical inference, regression analysis and time series forecasting, optimization and simulation modeling are all covered using familiar, real-world case studies and data. Our course includes plenty of discussion and problem-solving to make it meaningful for students at all levels of experience. In addition, PTS's course focuses on the simple use of Excel spreadsheets to perform these meaningful techniques. In just four days, this course will take the mystery out of data analysis, and give students the confidence to use data to their advantage.

Course Length: 4 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Advanced Analytics**

Course Number: 1101

Course Description: The processing data analysis course focuses on equipping decision makers with the skills needed to effectively analyze data. Upon completion of this course, students will understand the significance of data analysis as it relates to federal financial management. With intermediate Microsoft Excel Skills, students will be able to conduct a break-even analysis and a variance analysis. Students will be able to calculate the internal rate of return and report on Net Present Value (NPV). They will be able to use the queuing theory to assess program performance.

Course Length: 5 Day(s)

Prerequisites: Data Analytics Level 1. Experience analyzing data using Microsoft Excel.

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Data Analytics Level 1**

Course Number: 1102



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Course Description: This course will introduce students to data analysis, modeling, and spreadsheet usage to make informed decisions. This course is designed for beginners who want foundational knowledge for data analytics, those experienced with statistics, and professionals seeking more advanced methods and skills to further their career.

Course Length: 3 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Data Analytics Level 2**

Course Number: 1103

Course Description: Through this advanced course, students will learn how to control the entire analytic process by deciphering large amounts of data and effectively communicating the information they derive. This course provides attendees with the core skills necessary to handle any data intensive analytic project and generate clarity, insight and confidence in order to make sound and measurable business decisions. This course will also bridge the gap between team members that can often cause a project to be unsuccessful.

Course Length: 3 Day(s)

Prerequisites: Data Analytics Level 1. Experience analyzing data using Microsoft Excel.

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Data Analytics Bootcamp**

Course Number: 1104

Course Description: Data Analysis Bootcamp focuses on using Microsoft Excel functionalities for data analysis and ultimately decision making. This course covers the entire analytical workflow: collecting, cleaning, analyzing, and presenting both big and small data sets. This course will teach students how to properly collect and handle data derived from multiple sources and then translate it into something meaningful within an Excel spreadsheet. This instructor-led course will provide students with the knowledge to summarize data effectively and use advanced problem solving techniques to develop a thorough understanding of the information.

Course Length: 5 Day(s)

Prerequisites: Basic Computer Knowledge



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# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Project Management for IT Professionals**

Course Number: 1105

Course Description: This course is a guide to the best practices for managing large IT projects. The class starts with basic principles and develops guidelines for dealing with the increasing complexity of hardware and software. It includes coverage of why projects go wrong and the critical people and process issues that must be addressed by IT managers. Other topics covered include crises management, rapid application development, quality management, risk management, and the emerging role of the Internet.

Course Length: 4 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: SharePoint End user (Customized for DISA)**

Course Number: 1106

Course Description: SharePoint End User is a one-day course for SharePoint end users, site owners, administrators and developers who need to know how to use SharePoint within the DISA DEPS governance. Through expert lecture and hands-on labs, this course teaches students how to access, navigate, and use SharePoint exactly how they will encounter it in their day-to-day tasks. Students will become familiar with SharePoint libraries, task lists, the search function (both people and content), calendars, and wikis.

Course Length: 1 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: SharePoint Administration (Customized for DISA)**

Course Number: 1107

Course Description: SharePoint Customized is a hands-on course for SharePoint end users, site owners, administrators and developers who need to know how to use SharePoint within the DISA DEPS governance and global navigation. Through expert lecture and hands-on labs, this course teaches students how to maximize their use of SharePoint in their day-to-day tasks. Students will become familiar with SharePoint library versioning, default site content types, information management policies, site collection and web analytics. In addition, this custom course will focus on managing PII, Tier 1 support to end users, and Designer Workflow.

Course Length: 5 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: PMI Risk Management Professional (PMI-RMP)**

Course Number: 2016

Course Description: Through expert lecture and class exercises, this course prepares the student to take on or improve the risk management specialist role on his or her organization's project teams. In addition to preparing the student for the PMI-RMP certification exam, this course teaches basic project management skills and improves the student's expertise in minimizing risk to employers.

Course Length: 3 Days

Prerequisites: Project Management Experience

# of students/class:1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Certified Associate in Project Management (CAPM)**

Course Number:2017

Course Description: The PMI training is the first step for professionals pursuing a career in project management. The introductory Project Management Institute (PMI) course supplies professionals with the recognized project management best practices to establish entry-level experience. Course topics include:

- Providing subject matter expertise (finance, marketing, customer care, fulfillment, processing)
- Serving as project team sponsors, liaisons, facilitators or coordinators Course Length: 5 Days

Prerequisites: Project Management Experience



# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: PMI Agile Certified Practitioner**

Course Number: 2018

Course Description: The PMI-ACP certification verifies a practitioner's ability to understand and apply Agile principles and practices. The instructor explains the best practices of Agile which is an iterative and incremental software developmental methodology that helps organizations to become more flexible and deliver workable software in a shorter span of time.

Course Length: 3 Days

Prerequisites: Project Management Experience

# of students/class:1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Project Management Professional (PMP)**

Course Number: 2019

Course Description: The PMP certification solidifies current project management professional's knowledge and skills. This is the most widely recognized and important certification for Project Managers who lead projects for small to enterprise-level businesses and organizations. PMP professionals benefit with more attractive resumes, higher salaries and other advantages.

Course Length: 5 Days

Prerequisites: Project Management Experience

# of students/class:1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: CCAH - Cloudera Certified Administrator for Apache Hadoop**

Course Number: 2020

Course Description: This four-day instructor-led training experience focuses on teaching Hadoop Administrators how to operate and maintain a Hadoop cluster. Students learn about building Hadoop architectures, proper configuration and deployment for clusters, data loading techniques, Fair Scheduler configuration, implementation for Kerberos- based cluster security, and Hadoop maintenance and troubleshooting.



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Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: CCDH - Cloudera Certified Developer for Apache Hadoop**

Course Number: 2021

Course Description: This Cloudera training course is available online and in-person. This four- day instructor-led training focuses on the skills, knowledge, and tools for learning the basics of HDFS and MapReduce for Apache Hadoop. Instructors provide insight into how develop programs against the API, debug, optimize, and implement processes for workflow management.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: CCSHB - Cloudera Certified Specialist in Apache HBase**

Course Number: 2022

Course Description: This Cloudera training course is available online and in-person. This four- day instructor-led training teaches students about the NoSQL database called Apache HBase. This database constructed on Apache Hadoop can store large amounts of data within its extensive table structure while delivering it in real-time. The course examines the skills for using HBase, manipulating HBase tables, and designing schemas for storage and recovery.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Cloudera Data Analyst: Pig, Hive and Impala Training**

Course Number: 2023

Course Description: This Cloudera training course is available online and in-person. This three- day instructor-led training addresses traditional data analysis techniques, analytics with SQL, and other scripting languages. Students come to understand how to use Apache Pig, Hive, and Cloudera Impala tools. Attendees can gain a stronger grasp on the best practices for managing, manipulating, and querying large complex data sets in real-time.





Course Length: 3 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Cloudera Developer Training for Apache Spark**

Course Number: 2024

Course Description: This three-day instructor-led training immerses students in the world of Apache Spark, which supersedes MapReduce. Throughout the course the instructor addresses how to construct unified Big data applications.

Course Length: 3 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Designing and Building Big Data Applications**

Course Number: 2025

Course Description: The four-day course examines and exposes students to the Apache Hadoop and relevant tools in the enterprise data hub (EDH) for developing big data applications. This training emphasizes the skills and tools for consuming, processing, organizing and presenting data to end-users.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Introduction to Data Science - Building Recommender Systems**

Course Number: 2026

Course Description: This Cloudera training course is available online and in-person. This three-day instructor-led course introduces students to data science's positive influence on the world we live in. The course unearths the fundamental skills required for constructing Big Data info platforms and tools that are applicable across various industries.

Course Length: 3 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: OpenShift Enterprise Administration (CL280)**

Course Number: 2027

Course Description: This Red Hat course explores the essential skills and tools for experienced Linux System Administrators to install and manage a Platform-as-a-Service (PaaS) cloud platform with OpenShift Enterprise. This course prepares students for the Red Hat Certificate of Expertise in Platform-as-a-Service exam (CL280).

Course Length: 2 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Red Hat® Enterprise Performance Tuning (RH442)**

Course Number: 2031

Course Description: The RH442/RH443 course examines system architecture, including factors on system performance, testing system modifications, utilizing open source benchmarking utilities, and analyzing system and network performance and other methodologies for system optimization.

This training prepares students for the Red Hat Certificate of Expertise in Performance Tuning exam (EX442).

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Red Hat® Enterprise Virtualization (RH318)**

Course Number: 2032

Course Description: This course examines the skills and tools for Linux system administrators who are responsible creating, deploying, managing and migrating Linux and Microsoft Windows virtual machines on Red Hat Enterprise Linux servers or Red Hat Enterprise Virtualization Hypervisor utilizing the Red Hat Virtualization Manager.

The course prepares students for the Red Hat Enterprise Virtualization Administrator (RHCVA) certification exam (EX318).

Course Length: 4 Days

Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Red Hat® JBoss A-MQ Development and Deployment (JB437)**

Course Number: 2033

Course Description: This Red Hat course unearths the fundamental concepts associated with Java Message Service (JMS) and Apache ActiveMQ (A-MQ) for Java developers and architects.

Course Length: 2 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Red Hat® JBoss Application Administration I (JB248)**

Course Number: 2034

Course Description: This Red Hat course teaches students the core skills and knowledge required for installing, configuring and managing the Red Hat JBoss Enterprise Application Platform 6.

The course prepares students for the Red Hat Certified JBoss Administration (RHCJA) exam (EX248).

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Red Hat® JBoss Application Administration II (JB348)**

Course Number: 2035

Course Description: This course provides seasoned system administrators with a hands-on learning environment where they can advance their knowledge and skills on provisioning and managing Red Hat JBoss Enterprise Application Platform 6.

Course Length: 4 Days

Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Red Hat® OpenStack Administration (CL210)**

Course Number: 2038

Course Description: This Red Hat course dives into the skills and knowledge required for installing, configuring and maintaining the Red Hat Enterprise Linux OpenStack Platform for private cloud infrastructures. The training also addresses the continual development and future of the OpenStack Platform for cloud computing technologies.

This course prepares students for Red Hat Certified Administrator in Red Hat OpenStack exam (EX210).

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Red Hat® Server Hardening (RH413)**

Course Number: 2039

Course Description: The Red Hat Server Hardening course supplies methods and approaches for security policy and configuration requirements and options for user authentication, applying updates, system auditing and logging, file system integrity and other factors.

The training prepares students for the Red Hat Certificate of Expertise in Server Hardening exam (EX413).

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Red Hat® System Administration I (RH124)**

Course Number: 2040

Course Description: This five-day instructor-led training experience is geared towards IT professionals without previous Linux administration experience to introduce and prepare them for working with Red Hat Enterprise Linux 7 (RHEL7).

The course zones in on fundamental and “survival skills” essentials for professionals to perform Linux Sysadmin tasks and responsibilities. This training is the first of two courses that prepares students for the Red Hat Certified System Administrator (RHCSA) certification exam (EX200).

Course Length: 5 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Red Hat® System Administration II (RH134)**

Course Number: 2041

Course Description: This course builds off the material learned in the Red Hat System Administration I

(RH124) course and prepares students for the Red Hat Certified System Administrator (RHCSA) certification exam (EX200).

The training dives into Linux administration further by covering topics such as file systems and partitioning, SELinux, firewalls, troubleshooting, and logical volumes.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Red Hat® System Administration III (RH254)**

Course Number: 2042

Course Description: This course is geared towards Linux administrators with established experience who are interested in building upon their fundamental skills. Students who already achieved their RHCSA certification will gain further preparation for the Red Hat Certified Engineer (RHCE) certification exam (EX300). If individuals do not have their RHCSA certification, they may want to invest in the RHCSA Rapid Track course (RH199) to refresh and validate their skills necessary for earning the RHCE.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: RHCE Rapid Track (RH299)**



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Course Number: 2043

Course Description: This Rapid Track course combines the RHCSA Rapid Track Course (RH199) and Red Hat System Administration III (RH254) into one four day training experience.

The accelerated track expands on fundamental command line based Linux Administration in Red Hat Enterprise Linux 7 (RHEL) environments. The course prepares students to earn their RHCSA and RHCE certifications

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: RHCSA Rapid Track (RH199)**

Course Number: 2044

Course Description: The RHCSA Rapid Track course (RH199) combines the Red Hat System Administration I (RH124) and II (RH134) into one training accelerated training by addressing Linux system administration skills applicable to a Red Hat Enterprise Linux 7 environment.

Students have the option to purchase the RHCSA Rapid Track course (RH200) with the RHCSA exam (EX200).

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Advanced Python 3 Programming**

Course Number: 2045

Course Description: This is two-day advanced training addresses the programming language's more complicated features. The topics discussed include high level data structures, constructing GUIs, network and CGI programming. Programmers within roles dedicated to constructing application frameworks, distributed computing and software integration with Python benefit from this instruction.

Course Length: 2 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Introduction to Python 3**

Course Number: 2046

Course Description: This is a three-day introductory level course to the Python programming language. This course provides students with the fundamental skills they need to construct non trivial Python programs concerning a wide array of subject matter domains.

The training includes hands-on labs in either Linux or Windows to increase the overall value of the instruction. The main topics are:

- Language components
- Control flow constructs
- IDLE environment
- Strings
- Classes
- Collections
- I/O
- Modules
- Regular expressions Course Length: 3 Days

Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: FITSP - Designer Certification**

Course Number: 2047

Course Description: The course can prepare professionals with the skills and knowledge to adapt with the constantly moving IT security threat landscape prevalent today. This five-day instructor-led FITSP Designer certification training is geared towards federal employees and contractors who can have the ability to understand, design and construct management, operational and technical IT security controls for U.S. Government controlled systems.

Course Length: 5 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: FITSP Auditor Certification**

Course Number: 2048

Course Description: The roles discussed in the course focus on high-level, cost-effective and risk-based IT security auditing to properly prep professionals for ever-changing security concerns.

This five-day instructor-led FITSP Auditor certification training prepares the federal workforce, such as federal employees and contractors, to successfully and effectively audit operational, technical and management IT security controls.

Course Length: 5 Days

Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: FITSP Manager Certification**

Course Number: 2049

Course Description: The management role handles high-level, cost-effective, and risk-based IT security controls within these systems. Candidates learn to apply the auditing skills as they manage and oversee the security and assurance of systems. This instructor-led FITSP Manager certification training is designed for federal employees and contractors who manage and evaluate information systems within or controlled by the United States Federal Government.

Course Length: 5 Days

Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: FITSP Operator Certification**

Course Number: 2050

Course Description: 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.



Course Length: 5 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Cyber Warfare for Management**

Course Number: 2051

Course Description: This PTS training course is available online and in-person. The four-day instructor-led training experience provides students with the important skills and information for overcoming conflicts in a cyber-war. The course addresses the strategic, operational, and tactical aspects of the conflicts and then apply this knowledge for creating efficient procedures and technical defenses. Risk management and security professionals can certainly find this training beneficial as they are tasked with resource allocation, driving security projects and policies for organizations.

Course Length: 3 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Cyber Warfare for Practitioners**

Course Number: 2052

Course Description: This PTS training course is available online and in-person. The four-day instructor-led training experience supplies attendees with the tools and skills necessary for handling cyber-attacks and conflicts in a cyber-war. The instructor addresses the techniques

and approaches for defending against espionage, hacktivism, insider threats, and non-state actors such as organized criminals and terrorists.

Course Length: 3 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Network Security Administration for Practitioners**

Course Number: 2053

Course Description: The Network Security Administration for Practitioners training meets the demands of IT professionals seeking effective skill building real world applications.



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Students who complete the course can develop the skills and knowledge for handling installation, management, and troubleshooting network problems and platforms. Topics covered include:

- Network protocols
- Analyzing protocols
- Hardening physical security
- Organizational security standards
- Security policies
- IEEE standards
- Network security threats
- IPS and IDS Course Length: 3 Days

Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

Course Name: Network Defense: Security and Vulnerability Assessment

Course Number: 2054

Course Description: This course on Network Defense prepares students for the proactive vulnerability assessment necessary for organizational security. Students learn about methods for assessing systems for weaknesses to combat potential new vulnerabilities in operating systems, software, hardware, and human elements. The training is designed to provide fundamental knowledge for understanding network security posture and best practices for vulnerability assessment.

Course Length: 4 Days

Prerequisites: Networking experience

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Configuring CISCO Routers for Network Security**

Course Number: 2055

Course Description: This training goes into the knowledge for securing Cisco networks and routers. Students learn about developing security infrastructures, identifying network threats and

vulnerabilities, and mitigating security risks. The material concentrates Cisco IOS routers for network protection with a perimeter router, firewall, intrusion prevention system, and site- to-site VPN device. Other course topics include using Cisco Catalyst for network security, Cisco ACS, and Cisco ASA.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Securing the Virtual Environment**

Course Number: 2056

Course Description: This four-day instructor-led training experience covers and examines the difference in a virtual model versus traditional computing models and the appropriate technology and procedures to defend it from attack. This course also covers information security in virtual environments: building a virtual attack lab, finding leaks, getting a side- channel, and denying or compromising services.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Securing SharePoint**

Course Number: 2057

Course Description: This training focuses on the implementation and management of all security features for Microsoft SharePoint 2013. The course dives into SharePoint administration and other topics such as SharePoint Server deployment, protecting SharePoint with advanced security solutions, implementing and testing SharePoint security, configuring email- enabled content, site mailboxes, Exchange server integration, and protecting confidential data.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Security in an IPv6 Environment**

Course Number: 2058

Course Description: This IPv6 training course is available both online and in-person. The four- day instructor-led course examines the types of vulnerabilities, considerations, mechanisms, and survey approaches for ensuring reliable and controlled IPv6 migration. Course topics include features, security issues, and potential exploitation of the IPv6 protocol.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Cyber Security: Threat Analysis and Response Solutions**

Course Number: 2059

Course Description: This four-day instructor-led training experience covers the following topics in depth, 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 and much more.

This course takes a holistic approach to cyber security and information assurance by treating both the technical as well as managerial sides of the field.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Incident Response**

Course Number: 2060

Course Description: This four-day instructor-led training experience covers network intrusion detection completely by covering topics such as, detect evaluation, analysis, situation handling, theories involved in understanding hackers, intelligence gathering, coordinated attacks and preventive and aggressive security measures. This is an ideal course for the serious analyst, this course will put students in full control of their network's security.

Course Length: 4 Days

Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Network Intrusion Detection**

Course Number: 2061

Course Description: Through lecture and hands-on exercises, the Network Intrusion Detection course covers the topic completely. Lessons address detection evaluation, analysis and situation handling. Theories involved in understanding hackers, intelligence gathering and coordinated attacks are also discussed. Finally, students look into an arsenal of preventative and aggressive security measures.

This training is most ideal for security analysts, as this course will put students in full control of their network's security.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Practical Packet Analysis**

Course Number: 2062

Course Description: This 4-Day long, instructor lead course covers basic packet analysis fundamentals, along with an introduction to Wireshark and how using different aspects of Wireshark can help secure your network on the packet level.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Mobile Security**

Course Number: 2063

Course Description: This Mobile Security course is a 3-Day long training experience that will teach students the basics of mobile security on Android, iPhone, Blackberry and more.

Through case studies, code examples, and best practices, this course details how to protect against vulnerabilities in the latest smartphone and PDA platforms. Upon completion of this course, students will be able to implement a systematic approach to security in mobile devices.

Course Length: 3 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

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**Course Name: Securing Microsoft Windows 7**

Course Number: 2064

Course Description: This training provides students with an overview of daily duties for administrator who are responsible for upgrading and implementing security in Microsoft Windows 7. The course includes lecture and exercises in:

- Installation and deployment
- Windows 7 environment management
- Desktop features
- Technical help for troubleshooting and networking Course Length: 4 Days

Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: PowerShell in Depth**

Course Number: 2065

Course Description: This course addresses key shell techniques, technology, and tactics for administrators who use PowerShell. The instructor covers various subjects, including:

- Task automation
- HTML and XML data management
- Background jobs and scheduling
- PowerShell security
- Packaging and deploying scripts
- Scripting conventions
- .NET frameworks in PowerShell scripts Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agree to between ordering agency and Phoenix TS Location: Client site or Phoenix TS provided site

**Course Name: SCADA - Supervisory Control and Data Acquisition Security**

Course Number: 2066



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Course Description: The U.S. process control networks such as SCADA and DCS that control critical infrastructures are constantly under attack. This course dives into the critical knowledge and skills for IT security professionals to effectively protect SCADA systems from cyber-attacks.

Course Length: 5 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Securing Web Applications, Services, and Servers**

Course Number: 2067

Course Description: This comprehensive course delves into the world of web security and privacy. It offers in-depth coverage of security theory, technology, and practice as they relate to established web technologies as well as recent advances. Through lecture and interactive exercises, the course explores practical solutions to many security issues.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Penetration Testing: Procedures & Methodologies**

Course Number: 2068

Course Description: This course is designed to expose students to groundbreaking methodologies in conducting thorough information security analysis, as well as advanced penetration testing techniques. Through expert lecture and interactive exercises, students will be able to perform the intensive assessments required to effectively identify and mitigate risks to the security of the organization's infrastructure.

This course covers the following penetration testing topics in depth: 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.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Cyber Threat Counter-Exploitation**

Course Number: 2069

Course Description: An expert instructor will use tested security techniques and real-world case studies to teach students how to expose, pursue, and prosecute the perpetrators of advanced persistent threats (APTs). Upon completion of this course students will know how to assess a network's vulnerabilities, zero in on targets, and effectively block intruders. Students will discover how to set up digital traps, misdirect and divert attackers, configure honeypots, mitigate encrypted crimeware, and identify malicious software groups. The course also provides full coverage of legal and ethical issues, operational vetting, and security team management.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Python Security for Practitioners**

Course Number: 2070

Course Description: This course teaches students how to move from a theoretical understanding of offensive computing concepts to a practical implementation. Instead of relying on another attacker's tools, this course will teach students to create their own security defense using the Python programming language. This course

demonstrates how to write code to intercept and analyze network traffic using Python, craft and spoof wireless frames to attack wireless and Bluetooth devices, and how-to data-mine popular social media websites and evade modern anti-virus.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Defending against Social Engineering Attacks**

Course Number: 2071

Course Description: This PTS training course is available online and in-person. The four-day instructor-led training experience explores various aspects of social engineering including elicitation, pretexting, influence, and manipulation. The instructor applies real world examples to illustrate the effectiveness of social engineering and defending against those attacks.

Course Length: 3 Days



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Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Network Forensics**

Course Number: 2072

Course Description: This course teaches students how to recognize a hacker's tracks and uncover network-based evidence. The hands-on exercises include:

- Carving suspicious email attachments from packet captures Using flow records to track intruders
- Analyzing real-world wireless encryption-cracking attacks Reconstructing a suspect's web surfing history Uncovering NDS-tunneled traffic
- Dissecting the Operation Aurora exploit Course Length: 3 Days

Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Securing VoIP Networks**

Course Number: 2073

Course Description: This PTS training course is available online and in-person. The three-day instructor-led course focuses on the skills, tools, and knowledge essential for evaluating vulnerabilities and risk while implementing security solutions in a VoIP work environment. Course topics include security threats such as eavesdropping, unauthorized access, denial of service, masquerading, fraud, and vulnerabilities in protocol design, network architecture, software, and system configuration.

Course Length: 3 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Wireless Safety**

Course Number: 2074

Course Description: This PTS training course is available online and in-person. The four-day instructor-led training experience dives into the skills and tools to secure wireless networks on the enterprise-level. The course exposes the students to diverse technologies and real-world applications such as WAP, wireless signal propagation, IEEE and ETSI wireless standards, WLANs, wireless protocols, devices, and communication languages.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Malware Analysis Training**

Course Number: 2075

Course Description: This course serves as a guide for instructing students on how to analyze malware once discovered within a Windows operating system. Since malicious software plays a role in almost every security incident or computer intrusion, the knowledge and skills attained through this class prove beneficial to individuals seeking to advance within the malware analyst profession.

While this training focuses on Windows operating systems, the skills learned easily transfer to other operating systems.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Introduction to Cyber Security for Practitioners**

Course Number: 2076

Course Description: This PTS training course is available online and in-person. The three-day instructor-led training experience provides foundational knowledge and skills on networking basics, cybercrime and security concepts, security procedures and threats that apply to the workplace. The course also addresses security vulnerabilities for wireless network access points, business transactions, and the use of mobile devices.

Course Length: 3 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Cloud Security Training**

Course Number: 2077

Course Description: This Cloud and Virtualization training course is available online and in- person. This four-day instructor-led training highlights the security and policy requirements for cloud computing as well as the necessary skills for implementing cloud networks. With the growing popularity and migration to cloud computing environments, the demand for knowledgeable and experienced cloud IT professionals increases constantly.

Course Length: 4 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Virtualization Essentials Professional**

Course Number: 2078

Course Description: This Cloud and Virtualization training course is available online and in- person. This three-day instructor-led training experience establishes fundamental virtualization knowledge for IT professionals. The instructor addresses technical terminology and concepts, how virtualization applies to business and technical operations, and other essential topics for modern successful integration of relevant technologies.

Course Length: 3 Days Prerequisites: Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Core Solutions of Microsoft Exchange Server 2013**

Course Number: 2034

Course Description: This course teaches participants to plan, deploy, secure, and manage a Microsoft Exchange Server 2013 messaging environment. Students will learn to monitor, maintain, and troubleshoot Exchange 2013.

Course Length: 5 Day(s)

Prerequisites: At least three years of experience working in the IT field

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site



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**Course Name: Introduction to Project Management**

Course Number: 3000

Course Description: This course is designed for anybody interested in project management. Every competent project manager needs to know the various phases and project management software and tools available do the job properly. IT project management is process oriented, and tools such as the Gantt Chart help track project progress Course Length: 3 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site.

**Course Name: Multi-Protocol Label Switching**

Course Number: 3002

Course Description: Cisco IOS Multiprotocol Label Switching (MPLS) enables Enterprises and Service Providers to build next-generation intelligent networks that deliver a wide variety of advanced, value-added services over a single infrastructure. This economical solution can be integrated seamlessly over any existing infrastructure, such as IP, Frame Relay, ATM, or Ethernet. Subscribers with differing access links can be aggregated on an MPLS edge without changing their current environments, as MPLS is independent of access technologies.

Course Length: 3 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: TCP/IP Networking**

Course Number: 3003

Course Description: This course provides students a deep understanding of IP routing protocols, teaches how to implement these protocols using Cisco routers, and brings readers up to date protocol and implementation enhancements. This course contains protocol changes and Cisco features that enhance routing integrity, secure routers from attacks initiated through routing protocols, and provide greater control over the propagation of routing information for all the IP interior routing protocols.

Course Length: 3 Day(s)

Prerequisites: Basic Computer Knowledge

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# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Voice and Video Over IP (VoIP)**

Course Number: 3004

Course Description: As audio and video conferencing move rapidly into the mainstream, customers and end users are demanding unprecedented performance, reliability, scalability, and security. In this course, three leading experts systematically introduce the principles, technologies, and protocols underlying today's state-of-the-art conferencing systems.

Course Length: 3 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Certified Authorization Professional (CAP®)**

Course Number: 3012

Course Description: The CAP® (Certified Authorization Professional) certification from (ISC)2® is a very objective measure of the skills, abilities and knowledge required for all persons involved in the overall process of maintaining and authorizing information systems. This credential specifically applies to those who are responsible for formalizing processes that are used to establish security requirements and documentation as well as to assess risk. The decisions made by these individuals will help to ensure that information systems possess proper security commensurate with the correct level of exposure to any potential risks, as well as damage to individuals or assets. Security authorization includes a risk management approach that is tiered in such a way as to evaluate both the strategic and tactical risk across an enterprise. Incorporated in the authorization process is the application of an RMF, or Risk Management Framework, a general review of the organizational structure, and the business mission/process as the basis for the assessment and implementation of specified security controls. This particular authorization management process helps to identify security controls and vulnerabilities as well as determines residual risks. These residual risks are then evaluated and deemed to be either acceptable or unacceptable. To reduce unacceptable risk, more controls must be implemented. This type of system may only be deployed when the residual risks are deemed acceptable to the enterprise as a whole and the associated security plan is satisfactory and complete.

Course Length: 3 Day(s)

Prerequisites: Basic Computer Knowledge



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# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Client-Server Technology Overview**

Course Number: 3013

Course Description: Client/server describes the relationship between two computer programs in which one program, the client, makes a service request from another program, the server, which fulfills the request. This flexible new course offers hands-on coverage of client/server architecture and client/server applications.

Course Length: 3 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: CompTIA Advanced Security Practitioner (CASP) Certification**

Course Number: 10341

Course Description: This CompTIA training is available both online and in-person. The five-day instructor-led course provides stresses the importance of critical thinking and judgment across a wide array of security disciplines to propose and implement the best enterprise solutions. The course prepares individuals for the CASP certification exam.

Course Length: 5 Days Prerequisites: Security+

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: CompTIA Cloud+ Certification**

Course Number: 10342

Course Description: This CompTIA training is available both online and in-person. The five-day instructor-led course provides you with a complete Cloud certification exam preparation and real-world skill building opportunities through hands-on exercises and lectures. This certification verifies an IT professional's knowledge and skills in securely implementing and managing cloud infrastructures.

Course Length: 5 Days Prerequisites: A+



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# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: CompTIA Cloud Essentials**

Course Number: 10348

Course Description: The CompTIA Cloud Essentials training is available online and in-person. The two-day instructor- led course focuses on the implementation and management of cloud environments. Once achieved the certification demonstrates an individual's knowledge and skills from a business and technical perspective.

Course Length: 2 Days Prerequisites: Basic Computer Skills

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Certified Incident Handler (ECIH)**

Course Number: 10371

Course Description: The ECIH training course is available in both an online and in-person format. This 2-day training course is designed to provide the fundamental skills needed to handle and respond to computer security incidents. In addition, students will be lead through all the ECIH exam objectives so that they are properly prepared to handle the ECIH certification exam.

Course Length: 2 Days

Prerequisites: Basic Computer Skills

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Disaster Recovery Professional (EDRP)**

Course Number: 10372

Course Description: Candidates for the EDRP training course can elect to take this course either in-person or through our live virtual classroom. The 5-day EDRP training experience provides students with the tools and techniques needed to effectively identify vulnerabilities and responds appropriately to prevent and mitigate an organization's risk. Networking professionals will also walk away with a strong foundation of disaster recovery principles and will be able to craft an effective plan for recovery and business continuity in the event that their organization faces a natural or man-made disaster.



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Course Length: 5 Days Prerequisites: Basic Computer Skills

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Certified in Risk and Information Systems Control (CRISC)**

Course Number: 10391

Course Description: The CRISC training course is available in both an online and in-person format. This 3-day training course is designed to provide the necessary knowledge and skills to properly understand, mitigate and manage risk within an organization. In addition, students will be led through all the exam objectives so that they are properly prepared to handle the CRISC certification exam at the end of the 3-day course.

Course Length: 3 Days Prerequisites: Basic Computer Skills

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Risk Management Framework (RMF)**

Course Number: 10711

Course Description: Risk Management Framework (RMF) is the unified information security framework for the entire federal government that is replacing the legacy Certification and Accreditation (C&A) processes within federal government departments and agencies, the Department of Defense (DOD) and the Intelligence Community (IC). DoD officially began its transition from the legacy DIACAP process to the new "RMF for DoD IT" process.

Course Length: 4 Days Prerequisites: No prerequisites

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: 10967: Fundamentals of a Windows Server Infrastructure**

Course Number: 10967 Prerequisites: Basic Computer Skills

Course Description: In this course students learn about varied aspects of Windows Server infrastructure administration, maintenance, and security. They come to understand how to installation and configuration, server roles, Active Directory Domain Services (AD DS), server profiles, network protocols, server infrastructure, and other components pertaining to Windows Server.





Course Length: 5 Days

**Course Name: 10969 Active Directory Services with Windows Server**

Course Number: 10969

Course Description: This five-day instructor-led experience highlights how to administer Active Directory services and technologies in Windows Server 2012 and Windows Server 2012 R2. This course touches on a wide range of topics including the use of Active Directory Domain Services (AD DS), Dynamic Access Control (DAC), Group Policy, Work Place Join, Work Folders, Certificate Services, Federation Services, and Rights Management Services (RMS). The instructor also explores the possibility of integration with Cloud services such as Windows Azure Active Directory.

Course Length: 5 Days Prerequisites: Basic Computer Skills

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: 10970: Networking with Windows Server**

Course Number:10970

Course Description: This Microsoft course addresses the skills and knowledge for implementing Windows Server 2012 and related Microsoft technologies. The course also dives into additional tasks such as configuration for IP addressing, DNS, DHCP, IPAM, DirectAccess, VPNs, and other tools.

Course Length: 5 Days Prerequisites: Basic Computer Skills

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: 10972: Administering the Web Server (IIS) Role of Windows Server (R2 Update)**

Course Number:10972

Course Description: This Microsoft course covers the skills and knowledge for configuring, managing and maintaining Internet Information Services (IIS) as well as supporting Internet web applications and security for IIS.

Course Length: 5 Days Prerequisites: Basic Computer Skills

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: 10977: Updating Your SQL Server Skills to Microsoft SQL Server 2014**

Course Number: 10977

Course Description: This Microsoft course addresses the skills and knowledge for database and business intelligence professionals to enhance their understanding of the new SQL Server 2014 and related Microsoft technologies necessary for implementing and managing enterprise environments.

Course Length: 5 Days Prerequisites: Basic Computer Skills

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Microsoft Office Word Level 1**

Course Number: 50126

Course Description: This one-day instructor-led course provides students with an overview of the features and functions of Microsoft Office Word.

Course Length: 1 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Microsoft Office Word Level 2**

Course Number: 50127

Course Description: This one-day instructor-led course provides students with an overview of the features and functions of Microsoft Office Word.

Course Length: 1 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Microsoft Office Word Level 3**

Course Number: 50128

Course Description: This one-day instructor-led course provides students with an overview of the more advanced features and functions of Microsoft Office Word.

Course Length: 1 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Microsoft Office PowerPoint Level 1**

Course Number: 50129

Course Description: This one-day instructor-led course provides students with an overview of the features and functions of Microsoft Office PowerPoint.

Course Length: 1 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Microsoft Office PowerPoint Level 2**

Course Number: 50130

Course Description: This one-day instructor-led course provides students with experience at creating more elaborate presentations in Microsoft Office PowerPoint.

Course Length: 1 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Microsoft Office Outlook Level 1****Phoenix TS**

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Course Number: 50132

Course Description: This one-day instructor-led course provides students with an overview of the features and functions of Microsoft Office Outlook.

Course Length: 1 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Microsoft Office Outlook Level 2**

Course Number: 50133

Course Description: This one-day instructor-led course provides students with more advanced skills for managing e-mail, schedules, and contacts.

Course Length: 1 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Microsoft Office Access Level 1**

Course Number: 50135

Course Description: This one-day instructor-led course provides students with an overview of the features and functions of Microsoft Office Access.

Course Length: 1 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Microsoft Office Access Level 2**

Course Number: 50136

Course Description: This one-day instructor-led course provides students with an overview of the more complex features and functions of Microsoft Office Access.



Course Length: 1 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Microsoft Office Access Level 3**

Course Number: 50137

Course Description: This one-day instructor-led course provides students with an overview of the more advanced features and functions of Microsoft Office Access.

Course Length: 1 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: 50273: Planning and Designing Microsoft Virtualization Solutions**

Course Number: 50273

Course Description: This Microsoft course teaches the skills and knowledge for designing and implementing data center and desktop architectures in enterprise environments with Microsoft technologies and tools such as Windows Server 2008 R2, Hyper-V, Hyper-V Server 2008 R, Remote Desktop Services, Microsoft Enterprise Desktop Virtualization (MED-V), System Center, and Application Virtualization 4.6 (APP-V).

Course Length: 5 Days Prerequisites: Basic Computer Skills

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Microsoft Excel Level 1**

Course Number: 50422

Course Description: Microsoft Excel Level 1 is part of a 3-Level study program for Microsoft Excel. The course provides the learner with the skills and knowledge necessary to create workbooks in Microsoft Excel. It covers creating a new workbook, adding data, editing data, working with formulas, printing and charting.



Course Length: 1 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Microsoft Excel Level 2**

Course Number: 50434

Course Description: Microsoft Excel Level 2 is the second of a 3-Level study program for Microsoft Excel. This level extends the learner's basic knowledge of Excel and provides the learner with skills and knowledge to produce more effective and productive workbooks. It covers formulas and function techniques, more intricate formatting, setting complex printing options, using intricate charting features, and working more effectively with existing worksheets and workbooks.

Course Length: 1 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Microsoft Excel Level 3**

Course Number: 50438

Course Description: Microsoft Excel Level 3 focuses on the more advanced features of Excel. Advanced analysis tools, especially pivot tables, Solver, outlining and summarizing are covered, as are some key automation features such as Macros.

Course Length: 1 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Understanding and Querying Relational Data for Information Workers Using Microsoft SQL**

Course Number: 50464

Course Description: This course teaches students the knowledge and skills to query data using Microsoft SQL Server. The course introduces the concepts of relational databases and how to retrieve, modify, and use SQL Server data.

Course Length: 2 Day(s)

Prerequisites: Basic Knowledge of Windows Operating Systems

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: Course 50557: Microsoft Jump Start: Office 365 for IT Professionals**

Course Number:50557

Course Description: Microsoft Office 365 for IT Professionals is specially tailored for technologists looking for real- world proof of how cloud-based Office 365 enables organizations to solve more problems from more places. Microsoft Office 365 brings together cloud versions of our most trusted email, communication and collaboration software –

Exchange Online, SharePoint Online and Lync Online – with the Office Professional Plus desktop suite

Course Length: 5 Day(s)

Prerequisites: Basic Computer Knowledge

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: 55034: Project Server 2013 Inside Out**

Course Number:55034

Course Description: This Microsoft course dives into the skills and knowledge necessary for IT and project management professionals who work with Microsoft Project Server 2013 and Project Web App to develop and configure business intelligence (BI) solutions for projects management.

Course Length: 5 Days Prerequisites: Basic Computer Skills

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: 55035: Microsoft SharePoint Server 2013 for the Site Owner/Power User**

Course Number:55035



Course Description: This Microsoft course is offered online and in-person. This two-day instructor-led training experience benefits average and power users who act as site owners and collection administrators for SharePoint and work in a collaborative environment.

Course Length: 3 Days Prerequisites: Basic Computer Skills

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: 55054: Mastering Microsoft Project 2013**

Course Number: 55054

Course Description: This three-day course explores the knowledge and skills for utilizing Microsoft Project 2013 to apply to project management tasks for project management professionals. Course topics vary from resource allocation, to schedule management, to managing multiple projects.

Course Length: 3 Days Prerequisites: Basic Computer Skills

# of students/class: 1

Class Schedules: As agreed to between ordering agency and Phoenix TS Class Location: Client site or Phoenix TS provided site

**Course Name: 55077: Project Server 2013 Development**

Course Number: 55077

Course Description: This five-day course teaches professionals the skills for developing applications with the API's on Microsoft Project Server 2013. Course topics focus on how students can use the Project Server Interface (PSI), .NET Client Side Object Model, JavaScript Object Model, Rest, the App Model, and other tools.

Course Length: 5 Days Prerequisites: Basic Computer Skills

# of students/class: 1



## Phoenix TS SIN 611420 Training Course Descriptions Table

#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2019-1	AWS Solutions Architect -- Associate	4	The four-day instructor-led course is intended for newcomers to AWS. AWS Certified Solutions Architect - Associate demonstrates your AWS technical skills. Associate is the first step in AWS to becoming an AWS expert.	5	25
2019-2	AWS Developer -- Associate	4	This four-day instructor-led AWS certification course is intended for developers looking to validate their skills and knowledge using core AWS services architecture best practices to develop, deploy, and debug cloud-based applications.	5	25
2019-3	AWS Certified SysOps Administrator - Associate	4	This four-day instructor-led AWS certification course is intended for IT professionals looking to develop and validate their skills and knowledge in deploying, managing, and operating on the AWS platform. The AWS SysOps Administrator -Associate demonstrates your AWS technical skills. Associate is the first step in AWS to becoming an AWS expert.	5	25
2019-4	AWS Solutions Architect -- Professional	5	This five-day instructor-led AWS certification course is intended for IT professionals with AWS - Certified Solutions Architect - Associate certifications. This training focuses on the skills and knowledge necessary to design systems and distributed applications on the Amazon Web Services (AWS) platform.	5	25
2019-5	AWS DevOps Engineer -- Professional	5	This five-day instructor-led course is an advanced course on AWS covering various deployment management and developer services with hands on lab exercises. This course assumes the candidate is already familiar with AWS and has practical experience to work with different AWS services.	5	25
2019-6	Network Security Monitoring with Security Onion	4	The aim of this four-day course is to help you prepare for the AWS Certified DevOps Engineer – Professional Level Exam – DOP-C00	5	25
2019-7	ITIL Practitioner	2	The ITIL Practitioner certification training is the practical complement to the knowledge validated by the ITIL Foundation certification.	5	25
2019-8	CompTIA CYSA+	5	CySA+ is a five-day instructor-led course designed to equip cyber analysts with the knowledge and skills needed to secure an organization's applications & systems.	5	25

#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2019-9	CompTIA PenTest+	5	This five-day instructor-led course is intended for cybersecurity professionals at an intermediate skills level. The course dives into the skills and knowledge for hands-on penetration testing and vulnerability assessment techniques for identifying, exploiting, and reporting on network vulnerabilities. This course also addresses management skills for planning and managing identified network weaknesses.	5	25
2019-10	Microsoft Project Level 1	1	Microsoft Project Level 1 addresses the features of Microsoft's Project application, which is specifically designed to address the needs of project managers in corporate environments. Some of the topics covered are: navigating and understanding the important features of the Project environment; creating a new project schedule from scratch; understanding and working with task types, scheduling options, and task constraints; working with resources, including scheduling and assignment; managing the project schedule, in accordance with the critical path and project baseline; and printing project views, dashboards, and various other kinds of reports.	5	25
2019-11	Microsoft Project Level 2	1	Microsoft Project Level 2 addresses the features of Microsoft's Project application, which is specifically designed to address the needs of project managers in corporate environments. Topics covered are: working with the Quick Access Toolbar and advanced calendar topics; advanced task topics; advanced resource topics, including setting resource working-time exceptions, pooling resources for sharing, and creating resource budget cost items; advanced project management topics, such as working with multiple baselines and interim plans, updating a project schedule using a status date, and resolving resource conflicts and scheduling issues; advanced task form and resource form options, and understanding the Relationship Diagram and compound views; consolidating projects using Master projects and Subprojects; and advanced project sharing options, such as working with Project Server, Project Online, and SharePoint, using Project data in other applications, and creating final reports.	5	25
2019-12	Cyber Threats Detection and Mitigation	3	This three-day instructor-led course examines the fundamentals of system forensics: what forensics is, the role of computer forensics specialists, computer forensic evidence, and application of forensic analysis skills. It also gives an overview of computer crimes, forensic methods, and laboratories. Students will learn about the tools, techniques, and methods used to perform computer forensics and investigation. This course explores emerging technologies as well as future directions of this interesting and cutting-edge field.	5	25

#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2019-13	Cybersecurity Foundations	3	This three-day, instructor-led course covers web attacks, hacking, spyware, network defense, security appliances, VPNs, password use, and much more. Students will learn many tips through examples that reflect new industry trends and the state-of-the-art in both attacks and defense. Exercises, projects, and review questions help students deepen their understanding and apply all they've learned.	5	25
2019-14	Defending the Critical Infrastructure from Cyber Attacks	5	This five-day instructor-led course teaches students to understand their control system's vulnerabilities and as well as the techniques to defend critical infrastructure systems from cyber threats. It covers the methodologies and security measures necessary to protect critical infrastructure systems.	5	25
2019-15	EC Council Certified Secure Programmers (ECSP)	5	Prevalent software bugs, flaws and defects require more aware and attentive software programmers who understand and adhere to secure coding practices. In this five-day course, the instructor addresses the best secure coding practices for .NET and Java professional programmers who are responsible for designing and developing applications and additional software. These best practices lend programmers an advantage building software programs with security in mind.	5	25
2019-16	Certified Network Defender (CND)	5	This five-day CND - Certified Network Defender Certification course covers how to protect, detect and respond to the network attacks. You will learn network defense fundamentals, the application of network security controls, protocols, perimeter appliances, secure IDS, VPN and firewall configuration. You will then learn the intricacies of network traffic signature, analysis and vulnerability scanning which will help you when you design greater network security policies and successful incident response plans.	5	25
2019-17	Certified Cloud Security Professional (CCSP)	5	This five-day instructor-led training highlights the security and policy requirements for cloud computing as well as the necessary skills for implementing cloud networks. With the growing popularity and migration to cloud computing environments, the demand for knowledgeable and experienced cloud IT professionals increases constantly.	5	25
2019-18	Certification - Certified Secure Software Lifecycle Professional (CSSLP)	5	CSSLP certification training is a five- day course for software pros that teaches how to incorporate the appropriate security measures into any software language.	5	25
2019-19	Systems Security Certified Practitioner (SSCP)	3	In this three-day SSCP course prepares candidates for certification that ensures they have the skills to be successful in the roles of an IT security professional.	5	25

#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2019-20	eMASS Direct User	5	In this five-day hands-on 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 actually working with eMASS in a full Beta environment managed by the DoD for training purposes to create a complete authorization package. In order to take this course, participants must have access to a government computing system with an associated CAC and reader.	5	25
2019-21	eMASS Workshop	3	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.	5	25
2019-22	eMASS Manager Overview	1	In this one-day overview course, our qualified instructors show cybersecurity leaders how to get the most out of every vital screen. Participants in this course will be the go-to authority on every important field and feature.	5	25
2019-23	My SQL Workbench	3	This four-day course will provide the basic concepts of Security Onion and its use as a Network Security Monitoring (NSM) suite. Participants will install Security Onion, then use component tools to collect and visualize network data. Participants will also learn toolset service verification and troubleshooting in this course.	5	25
2019-24	Intro to C Programming	5	This course is designed to give students a good working knowledge of the C Programming language. Students will learn about expressions and logical operators, statements, functions and variables, how to use pointers, and how to work with structures.	5	25
2019-25	Intermediate C Programming	5	The C Programming Language was originally created to write the UNIX operating system. It quickly turned into a multi-purpose language used by all types of programmers for a wide variety of applications. C is a small language that can be learned quickly. It is highly structured and modular, supporting both small and large programs equally well. This course fills the gap between an introductory course in C and more advanced application programming. Students learn about basic and derived data types, parameter passing, standard and low-level file I/O, working with malloc and calloc, the memory layout of C programs, and linked lists.	5	25
2019-26	Basic Network Analysis 101	5	This course will teach the student the first level of basic network analysis, the course will solidify the foundational skills of TCP/IP and examine network protocol and communications at the packet level. This course prepares the student for the second course of Basic Network Analysis 102.	5	25
2019-27	Basic Network Analysis 102	5	This course is a follow up to the Basic Network Analysis 101 course and will build on the skills that the students developed in that class to include incident response and fusing multiple sensor outputs	5	25

#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2019-28	Fundamentals of Communications and Networking	4	Fundamentals of Communication and Networks is a four-day course that demonstrates how today's networks are utilized to support different organizations. Students will be able to identify design issues in networks and how businesses use networks to resolve business problems.	5	25
2019-29	Endpoint Security and Network Access Control	3	The Endpoint Security & Network Access Control course is a three-day course that will teach students how to install and operate access control systems. The course will also discuss risks, threats, and vulnerabilities that can occur in IT systems.	5	25
2019-30	Elk Stack	3	The ELK Stack course is a three-day course that will introduce students to Elasticsearch, Logstash, and Kibana. Students will learn how to install and configure these tools. Students will also gain an understanding of each of the components and how they function both independently and when they are combined. By the end of the course, students will be able to demonstrate how to create a complete data pipeline.	5	25
2019-31	Introduction to IPv6	3	This IPv6 training course is geared towards helping students understand the detailed process for transitioning from an IPv4 environment to IPv6. Throughout the three-day instructor- led training experience the students learn how to utilize a faster more secure internet with an IPv6 network. Course topics include auto- configuration of IP addresses, Neighbor Discovery, multicast routing and group management, path MTU discovery, and Mobile IPv6 based on ICMPv6.	5	25
2019-32	MCSA: Windows 10 - 20698: Installing and Configuring Windows 10	5	This 10-day instructor-led Microsoft boot camp provides IT professionals with the knowledge and skills required to configure, deploy, manage, and maintain Windows 10 enterprise environments. This boot camp primarily prepares student to earn their MCSA Windows 10 certification.	5	25
2019-33	MCSE 10961: Automating Administration with Windows Powershell	5	The MCSE 10961 course is a five-day class that will teach students how to use Windows PowerShell in order to remotely manage administrative tasks across single or multiple Windows based servers. Prerequisites include general knowledge of Windows Server and Windows Client administration.	5	25
2019-34	20742: Identity with Windows Server 2016	5	This five-day Microsoft 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.	5	25
2019-35	20740: Installation, Storage, and Computing with Windows Server 2016	5	This five-day Microsoft 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.	5	25

#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2019-36	Wireless and Mobile Device Security	4	The Wireless and Mobile Devices course is a 4-day course that will teach students about security measures for wireless devices. The course will also discuss the best methods to use to protect information stored on this technology and how this technology affects the corporate world.	5	25
2019-37	C++ - Programming Language	5	This course will teach students to design and write programs in the C++ language, emphasizing object-oriented approaches to designing solutions.	5	25
2019-38	C# (C Sharp) – Programming Language	5	This course is intended for developers who wish to learn C# as a programming language. In this course, students receive a thorough introduction to C# programming and Visual Studio 2017 and learn valuable programming skills, object-oriented and applied object-oriented programming skills, asynchronous programming skills, I/O programming skills including encryption, programming skills for working with data and an overview of ASP.Net MVC and WCF.	5	25
2019-39	Java - Programming Language	5	This course emphasizes becoming productive quickly as a Java™ application developer. This course quickly covers the Java language syntax and then moves into the object-oriented features of the language. Students will then use several of the provided API packages, such as I/O streams, collections, Swing GUI programming, threads, and accessing a database with JDBC. This course is current to Java 7 and uses the Eclipse IDE.	5	25
2019-40	Advanced JavaScript	3	This course explores advanced Java Standard Edition language features and packages. Students will learn to parse XML documents using the JAXP API. Multi-threaded applications will be covered in detail including concepts such as deadlocks and race conditions. Students will also learn how to utilize more advanced I/O capabilities with object serialization and low-level file I/O with the java.nio package. Client/server applications will be written utilizing both the java.net and java.rmi packages. Additional topics on JNDI and performance tuning, as well as appendices on encryption and JNI, round out the course.	5	25
2019-41	Perl –Programming Language	5	This course teaches students the foundations of using Perl effectively in many application environments. In addition to teaching the basics, such as data types, operators, flow control, and subroutines, the course goes into great detail on using arrays and hashes for complex data manipulation, regular expressions for advanced text processing, and Perl's object-oriented features for modern OO programming practices. Students write many complete Perl programs in this course, which ensures that when they return to work they can become productive immediately.	5	25

#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2019-42	Ruby – Programming Language	3	This course introduces students to the Ruby programming language which is the basics of the Ruby on Rails web development framework. Students will learn how to develop code which is elegant and maintainable. They will explore how to write solid object- oriented code using best practices.	5	25
2019-43	Advanced Ruby – Programming Language	4	This course is for programmers who want to deepen their knowledge of Ruby. It explores sophisticated topics like callable objects, reflection, and threading.	5	25
2019-44	Hadoop for Java Developers	3	This teaches students to build and maintain reliable, scalable, distributed systems with Apache Hadoop. Programmers will learn to analyze datasets of any size, and administrators will learn to set up and run Hadoop clusters.	5	25
2019-45	HTML5	3	This course teaches students about the HTML5 structural, semantic and form tags. They will learn how to use Canvas to create drawings natively in the browser, how to work with HTML5 audio and video, the new methods for storing variables client-side, and how to build applications that work offline.	5	25
2019-46	AngularJS – Framework	4	This course teaches students how to use AngularJS from the basics to advanced concepts. Students will learn how to develop large, maintainable, and performant applications with AngularJS.	5	25
2019-47	Spring – Framework	4	This course includes complete coverage of the three main configuration styles: Java-based (@Configuration), annotation-based (@Component), and the traditional XML-based configuration that may still play an important role in existing and new projects. It also provides guidelines for when and how to use each one. This course covers many of the most important capabilities of Spring, including integrating persistence layers (e.g. Hibernate/JPA) with Spring, using Spring's powerful Aspect Oriented Programming (AOP) to program cross-cutting concerns in a safe and maintainable way, and using Spring's declarative transaction capabilities. It also covers integration of Spring with Java EE Web applications.	5	25
2019-48	Django – Framework	4	This course leads students step-by- step through five progressively more complex web applications: from a "Hello World" app all the way to a robust Newspaper app with a custom user model, complete user authentication flow, foreign key relationships, and more. Learn current best practices around class- based views, templates, URLs, user authentication, testing, and deployment	5	25
2019-49	R Programming	4	This course begins with the basic installation and configuration of the R environment. Students become thoroughly acquainted with R's features and its packages. They will learn about the basic concepts of R programming, work efficiently with graphs, create publication-ready and interactive 3D graphs, and gain a better understanding of the data at hand.	5	25



#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
<b>2019-50</b>	Endpoint Security & Network Access Control	3	The Endpoint Security & Network Access Control course is a three-day course that will teach students how to install and operate access control systems. The course will also discuss risks, threats, and vulnerabilities that can occur in IT systems.	5	25
<b>2019-51</b>	Hacker Techniques, Tools, and Incident Handling	4	This course begins with an examination of 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. It goes on to review the technical overview of hacking: how attacks target networks and the methodology they follow. Finally, students will study those methods that are most effective when dealing with hacking attacks, especially in an age of increased reliance on the Web.	5	25
<b>2019-52</b>	System Forensics, Investigation, and Response	4	This 5-day cyber security focused course allows students to gain an understanding of analyzing network-based evidence for abnormalities.	5	25
<b>2019-53</b>	Splunk Essentials	4	This course starts with a simple Splunk installation and setup of a sample machine data generator, called Eventgen. After this, students will learn to create various reports, dashboards, and alerts. Students will also explore Splunk's Pivot functionality to model data for business users and then test-drive Splunk's powerful HTTP Event Collector. Splunk is a search, reporting, and analytics software platform for machine data, which has an ever-growing market adoption rate. Organizations are adopting Splunk to make informed decisions in areas such as IT operations, information security, and the Internet of Things.	5	25
<b>2021-1</b>	AI-900T00: Microsoft Azure AI Fundamentals	1	Phoenix TS' 1-day instructor-led Microsoft Azure AI Fundamentals training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online introduces fundamentals concepts related to artificial intelligence (AI), and the services in Microsoft Azure that can be used to create AI solutions. The course is not designed to teach students to become professional data scientists or software developers, but rather to build awareness of common AI workloads and the ability to identify Azure services to support them.	5	25
<b>2021-2</b>	Malicious Network Traffic Analysis	5	Phoenix TS' 5-day Malicious Network Traffic Analysis course the students will learn how to use a variety of tools to assist them in their analysis. The concepts of low-level protocol analysis will be explored so the students can understand the network traffic at the binary level. The methods of live memory analysis will be explored in preparation of understanding the fundamentals of malware analysis. The students will be introduced to the procedures of incident response and methods of incident escalation. The class will conclude with 3 subsequent battle problems that flex the skills of both courses.	5	25



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2021-3	Python Deep Learning	5	Phoenix TS' 5-day Python Deep Learning class is designed for ISEA engineers and operation research analysts who need the software engineering skillset: particularly research and development engineers and analysts. The engineers will be using the software skillset to write deep learning scripts for CBM+, data analysis, ship data, etc.	5	25
2021-4	Systems Operations on AWS	3	Phoenix TS' 3 day, instructor-led, Systems Operations on AWS Certification Training course is designed to teach those in a Systems Administrator or Developer Operations (DevOps) role how to create automatable and repeatable deployments of networks and systems on the AWS platform. The cPhoenix TS' se covers the specific AWS features and tools related to configuration and deployment, as well as common techniques used throughout the industry for configuring and deploying systems.	6	18
2021-5	AWS Certified Solutions Architect (Professional)	3	Phoenix TS' 3-day course prepares students for the AWS Certified Solutions Architect-Professional exam and encompasses the Advanced Architecting on AWS Training course. You will learn the skills necessary to build complex solutions that incorporate data services, governance, and security on AWS. Phoenix TS' 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 Phoenix TS' course.	6	18
2021-6	Hacker Methodologies for Security Professionals	5	Phoenix TS' 5-day course begins with an examination of 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. It goes on to review the technical overview of hacking: how attacks target networks and the methodology they follow. Finally, students will study those methods that are most effective when dealing with hacking attacks, especially in an age of increased reliance on the Web.	5	25
2021-7	Microsoft Certified: Azure Fundamentals	2	Phoenix TS' 2-day, Microsoft Azure Fundamentals (AZ-900T00) instructor-led training and certification boot camp in Washington, DC Metro or Live Online 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. This certification training encompasses the following course: AZ-900T00: Microsoft Azure Fundamentals.	5	25

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2021-8	AWS Certified Developer (Associate)	7	Phoenix TS' 7-day course certification course includes the following three courses AWS Technical Essentials, Developing on AWS and Advanced Developing on AWS. The AWS Certified Developer - Associate examination is intended for individuals who perform a development role and have one or more years of hands-on experience developing and maintaining an AWS-based application.	6	18
2021-9	Managing Risk in Information Systems	4	Phoenix TS' 4-day instructor led Managing Risk in Information Systems courses provides a comprehensive vie of managing risk and risk management with extensive coverage on comprehensive risk management topic which include, Risk Management Business Challenges, Mitigating Risk and Risk Mitigation Plans.	5	25
2021-10	DP-900T00: Microsoft Azure Data Fundamentals	1	Phoenix TS' 1-day instructor-led Microsoft Azure Data Fundamentals training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online you will learn the fundamentals of database concepts in a cloud environment, get basic skilling in cloud data services, and build their foundational knowledge of cloud data services within Microsoft Azure. Students will identify and describe core data concepts such as relational, non-relational, big data, and analytics, and explore how this technology is implemented with Microsoft Azure. They will explore the roles, tasks, and responsibilities in the world of data. The students will explore relational data offerings, provisioning and deploying relational databases, and	5	25
2021-11	AI-100T01: Designing and Implementing an Azure AI Solution	3	Phoenix TS' 3-day instructor-led Microsoft Designing and Implementing an Azure AI Solution training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online teaches you the necessary knowledge for designing Azure AI solution by building a customer support chat Bot using artificial intelligence from the Microsoft Azure platform including language understanding and pre-built AI functionality in the Azure Cognitive Services.	5	25
2021-12	Security Engineering on AWS	3	Phoenix TS' 3-day AWS course, students will gain knowledge of AWS Security Cloud security 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 organization.	6	18
2021-13	Burp Suite	3	Phoenix TS' 3-day instructor led course will provide you the skills necessary to, perform security tests on web applications using Burp, use different components of Burp Suite including Proxy, Intruder, Scanner and Repeater and customize Burp Extensions when using Java, Python, and Ruby	5	25

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2021-14	Architecting on AWS - Accelerator	5	Phoenix TS' 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.	6	18
2021-15	Microsoft Certified: Azure Database Administrator Associate	4	Phoenix TS' 4-day instructor-led Microsoft Administering Relational Databases on Microsoft Azure training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online teaches the knowledge and skills to administer a SQL Server database infrastructure for cloud, on-premises and hybrid relational databases and who work with the Microsoft PaaS relational database offerings. Additionally, it will be of use to individuals who develop applications that deliver content from SQL-based relational databases. This certification training encompasses the following course: DP-300T00: Administering Relational Databases on Microsoft Azure.	5	25
2021-16	IP6FD v3.0 - IPv6 Fundamentals, Design, and Deployment	5	Phoenix TS' 5-day instructor-led IPv6 Fundamentals, Design, and Deployment (IP6FD) v3.0 course provides network engineers and technicians that are working in the enterprise sector with the knowledge and skills that are needed to study and configure Cisco IOS Software IPv6 features. The course also provides an overview of IPv6 technologies, covers IPv6 design and implementation, describes IPv6 operations, addressing, routing, services, transition, and deployment of IPv6 in enterprise as well as in service provider networks, and includes case studies useful for deployment scenarios.	5	25
2021-17	Access Control, Authentication, and Public Key Infrastructure	3	Phoenix TS' 3-day, instructor-led, Access Control, Authentication, and Public Key Infrastructure Training course is designed for cyber security professionals. It will teach you: 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	5	25
2021-18	AWS Certified Security (Specialty)	6	Phoenix TS' 6-day course certification course includes the following two courses Architecting on AWS Training and Security Engineering on AWS. The AWS Certified Security – Specialty is intended for individuals who perform a security role with at least two years of hands-on experience securing AWS workloads.	6	18

#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2021-19	DP-200T01: Implementing an Azure Data Solution	3	Phoenix TS' 3-day instructor-led Microsoft Implementing an Azure Data Solution training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online teaches students how to implement various data platform technologies into solutions that are in-line with business and technical requirements, including on-premises, cloud, and hybrid data scenarios incorporating both relational and NoSQL data. They will also learn how to process data using a range of technologies and languages for both streaming and batch data. The students will also explore how to implement data security, including authentication, authorization, data policies, and standards. They will also define and implement data solution monitoring for both the	5	25
2021-20	Planning and Designing Databases on AWS	3	Phoenix TS' 3-day AWS course, students will learn all about AWS databases so that students can determine whether a relational or non relational 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.	6	18
2021-21	DP-201T01: Designing an Azure Data Solution	2	Phoenix TS' 2-day instructor-led Microsoft Designing an Azure Data Solution training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online teaches students how to design various data platform technologies into solutions that are in line with business and technical requirements. This can include on-premises, cloud, and hybrid data scenarios which incorporate relational, NoSQL, or Data Warehouse data. They will also learn how to design process architectures using a range of technologies for both streaming and batch data. The students will also explore how to design data security, including data access, data policies, and standards. They will also design Azure data solutions, which includes the optimization,	5	25
2021-22	AWS Certified Machine Learning (Specialty)	6	Phoenix TS' 6-day AWS Certified Machine Learning (Specialty) certification training encompasses the AWS courses: Practical Data Science with Amazon SageMaker, The Machine Learning Pipeline on AWS and Deep Learning on AWS. The AWS Certified Machine Learning - Specialty certification is intended for individuals who perform a development or data science role. It validates a candidate's ability to design, implement, deploy, and maintain machine learning (ML) solutions for given business problems.	6	18
2021-23	MCSA Windows Server 2016	10	Phoenix TS' 10-day MCSA Windows Server 2016 Boot Camp training supplies individuals with the fundamental knowledge of Windows Server 2016 to prepare them to earn their MCSA Windows Server 2016 certification. Phoenix TS' training encompasses content from these courses: 20740: Install, Storage, & Compute with Windows Server 2016	5	25

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2021-24	AZ-304T00: Microsoft Azure Architect Design	4	Phoenix TS' 4-day instructor-led Microsoft Azure Architect Design training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online teaches Solutions Architects how to translate business requirements into secure, scalable, and reliable solutions. Lessons include design considerations related to logging, cost analysis, authentication and authorization, governance, security, storage, high availability, and migration. This role requires decisions in multiple areas that affect an overall design solution.	5	25
2021-25	Microsoft Certified: Azure Solutions Architect Expert	9	Phoenix TS' 9-day instructor led Azure Solutions Architect Expert certification course is for subject matter expertise in designing and implementing solutions that run on Microsoft Azure, including aspects like compute, network, storage, and security. Candidates should have intermediate-level skills for administering Azure. Candidates should understand Azure development and DevOps processes. Phoenix TS' nine (9) day Microsoft Certified: Azure Solutions Architect Expert certification training encompasses the following two courses: AZ-303T00: Microsoft Azure Architect Technologies and AZ-304T00: Microsoft Azure Architect Design.	5	25
2021-26	Intro to Java Script	2	Phoenix TS' 2-day instructor-led course provides students the ability to: Define objects, Understand essential OOP principles, Work with inheritance, Understand advanced patterns for object creation, Manage dynamic typing, Understand duck typing and polymorphism	5	25
2021-27	MCSA Windows Server 2016	10	Phoenix TS' 10-day MCSA Windows Server 2016 Boot Camp training supplies individuals with the fundamental knowledge of Windows Server 2016 to prepare them to earn their MCSA Windows Server 2016 certification. Students learn to understand the scenarios, requirements, and storage and compute options available and applicable to Windows.	5	25
2021-28	Messaging Administrator Associate (Intermediate)	5	Phoenix TS' 5-day instructor-led Microsoft 365 Messaging training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online examines the key elements of Microsoft 365 messaging administration, including message transport and mail flow, messaging security, hygiene, and compliance, messaging infrastructure, and hybrid messaging. This course is designed for IT Professionals who deploy and manage the messaging infrastructure for Microsoft 365 in their organization. This certification training encompasses the following course: MS-203T00: Microsoft 365 Messaging.	5	25

#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2021-29	Microsoft Certified: Azure Data Scientist Associate	3	Phoenix TS' 3-day instructor-led Microsoft Designing and Implementing a Data Science Solution on Azure training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online will instruct you how to operate machine learning solutions at cloud scale using Azure Machine Learning. This course teaches you to leverage your existing knowledge of Python and machine learning to manage data ingestion and preparation, model training and deployment, and machine learning solution monitoring in Microsoft Azure. This certification training encompasses the following course: DP-100T01: Designing and Implementing a Data Science Solution on Azure.	5	25
2021-30	AWS Certified Data Analytics (Specialty)	3	Phoenix TS' 3-day AWS Certified Data Analytics (Specialty) certification training encompasses the AWS course Big Data on AWS Training. Build credibility and confidence by highlighting your ability to design, build, secure, and maintain analytics solutions on AWS that are efficient, cost-effective, and secure. Show you have breadth and depth in delivering insight from data.	6	18
2021-31	Root Cause Analysis	1	Phoenix TS' 1-day Root Cause Analysis course focuses on the use of proven quality tools to empirically investigate issues, the course starts by describing the theoretical background behind using the scientific method and quality tools for RCA. Next, it supplies step-by-step instructions for performing RCA with the tools discussed in the first section. The course offers clear examples that illustrate how to integrate PDCA with the scientific method and quality tools when investigating real-world quality failures	5	25
2021-32	MS-900: Microsoft 365 Fundamentals	1	Phoenix TS' 1-day instructor-led Microsoft 365 Fundamentals training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online provides foundational knowledge on the considerations and benefits of adopting cloud services and the Software as a Service (SaaS) cloud model, with a specific focus on Microsoft 365 cloud service offerings.	5	25
2021-33	Microsoft Certified: DevOps Engineer Expert	5	Phoenix TS' 5-day instructor-led Microsoft Designing and Implementing Microsoft DevOps solutions training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online provides you the knowledge and skills to design and implement DevOps processes and practices. Students will learn how to plan for DevOps, use source control, scale Git for an enterprise, consolidate artifacts, design a dependency management strategy, manage secrets, implement continuous integration, implement a container build strategy, design a release strategy, set up a release management workflow, implement a deployment pattern, and optimize feedback mechanisms. This certification training encompasses the following course:	5	25

#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2021-34	20463: Implementing a Data Warehouse with Microsoft SQL Server 2014	5	Phoenix TS' 5-day course describes how to implement a data warehouse platform to support a BI solution. Students will learn how to create a data warehouse with Microsoft® SQL Server® 2014, implement ETL with SQL Server Integration Services, and validate and cleanse data with SQL Server Data Quality Services and SQL Server Master Data Services.	5	25
2021-35	Unit Testing with Visual Studio 2017	3	Phoenix TS' 3-day, instructor-led training Unit Testing with Visual Studio 2017 course show you how to effectively use Visual Studio 2017 can enhance your productivity while simplifying your most common tasks, allowing you more time to focus on your project. This course teaches students what it takes to put it to work for your projects. Participants 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, participants 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	5	25
2021-36	Practical Data Science with Amazon SageMaker	1	Phoenix TS' 1-day AWS course, students will learn about the stages of a data science process for Machine Learning.	6	18
2021-37	Microsoft 365 Certified: Enterprise Administrator Expert	10	Phoenix TS' 10-day Microsoft 365 Certified: Enterprise Administrator Expert teaches Microsoft 365 Enterprise Administrators to evaluate, plan, migrate, deploy, and manage Microsoft 365 services. The Microsoft 365 Certified: Enterprise Administrator Expert certification training encompasses the following two courses: MS-100T00: Microsoft 365 Identity and Services and MS-101T00: Microsoft 365 Mobility and Security	5	25
2021-38	Cyber Threats Detection and Mitigation	3	Phoenix TS' 3-day course examines the fundamentals of system forensics: what forensics is, the role of computer forensics specialists, computer forensic evidence, and application of forensic analysis skills. It also gives an overview of computer crimes, forensic methods, and laboratories. Students will learn about the tools, techniques, and methods used to perform computer forensics and investigation. Phoenix TS' course explores emerging technologies as well as future directions of Phoenix TS' interesting and cutting-edge field.	5	25
2021-39	Jira Fundamentals	1	Phoenix TS' 1-day Jira Fundamentals course starts with a variety of recipes to help manage users and workflows. Participants will learn how to set up custom forms and capture important data with custom fields and screens. Next, they'll gain insights into the latest email capabilities, which will assist with everything from managing outgoing email rules to processing incoming emails for automated issue creation. Later, they'll be guided through running scripts to automate tasks, getting easy access to logs, and even working with tools to troubleshoot problems. The course will also ensure participants understand how to integrate Jira with Slack, set up SSO with Google, and delegate administrator permissions. Finally, participants will cover Jira Service Desk	5	25



#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2021-40	Unit Testing with Android Studio	4	Phoenix TS' 4-day Android Studio course is an Integrated Development Environment (IDE) designed for developing Android apps. This course introduces the 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.	5	25
2021-41	Microsoft Certified: Azure Data Fundamentals	1	Phoenix TS' 1-day instructor-led Microsoft Azure Data Fundamentals training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online you will learn the fundamentals of database concepts in a cloud environment, get basic skilling in cloud data services, and build their foundational knowledge of cloud data services within Microsoft Azure. Students will identify and describe core data concepts such as relational, non-relational, big data, and analytics, and explore how this technology is implemented with Microsoft Azure. They will explore the roles, tasks, and responsibilities in the world of data. The students will explore relational data offerings, provisioning and deploying relational databases, and querying relational data through cloud data solutions with Microsoft Azure. They will explore non-relational data offerings, provisioning and deploying non-relational databases, and non-relational data stores with Microsoft Azure. Students will explore the processing options available for building data analytics solutions in Azure. This certification training encompasses the following course: DP-900T00: Microsoft Azure Data Fundamentals.	5	25
2021-42	Deep Learning on AWS	1	Phoenix TS' 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.	6	18
2021-43	DP-100T01: Designing and Implementing a Data Science Solution on Azure	3	Phoenix TS' 3-day instructor-led Microsoft Designing and Implementing a Data Science Solution on Azure training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online will instruct you how to operate machine learning solutions at cloud scale using Azure Machine Learning. This course teaches you to leverage your existing knowledge of Python and machine learning to manage data ingestion and preparation, model training and deployment, and machine learning solution monitoring in Microsoft Azure.	5	25



#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2021-44	Microsoft Certified: Azure Administrator Associate	4	Phoenix TS' 4-day instructor-led Microsoft Azure Administrator training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online teaches IT Professionals how to manage their Azure subscriptions, secure identities, administer the infrastructure, configure virtual networking, connect Azure and on-premises sites, manage network traffic, implement storage solutions, create and scale virtual machines, implement web apps and containers, back up and share data, and monitor your solution. This certification training encompasses the following course: AZ-104T00: Microsoft Azure Administrator	5	25
2021-45	20461: Querying Microsoft SQL Server 2014	5	Phoenix TS' 5-day instructor led course provides students with the technical skills required to write basic Transact-SQL queries for Microsoft SQL Server 2014. Phoenix TS' course is the foundation for all SQL Server-related disciplines; namely, Database Administration, Database Development and Business Intelligence. The main purpose of the course is to prepare people for the exam "70-461: Writing Queries Using Microsoft® SQL Server® 2014 Transact-SQL."	5	25
2021-46	Windows System Analysis	5	Phoenix TS' 5-day course students will learn the analysis process including all of the decision points along the way. The course will cover malware detection, user activity, and how to set up a testing environment.	5	25
2021-47	AWS Certified DevOps Engineer (Professional)	6	Phoenix TS' 5-day course certification course includes the following two courses Advanced Developing on AWS and DevOps Engineering on AWS Training. The AWS Certified DevOps Engineer – Professional exam is intended for individuals who perform a DevOps engineer role with two or more years of experience provisioning, operating, and managing AWS environments.	6	18
2021-48	MS-203T00: Microsoft 365 Messaging	5	Phoenix TS' 5-day instructor-led Microsoft 365 Messaging training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online examines the key elements of Microsoft 365 messaging administration, including message transport and mail flow, messaging security, hygiene, and compliance, messaging infrastructure, and hybrid messaging. This course is designed for IT Professionals who deploy and manage the messaging infrastructure for Microsoft 365 in their organization.	5	25
2021-49	AWS Technical Essentials	1	Phoenix TS' 1-day, instructor-led, AWS Technical Essentials Training course introduces you to AWS products, services, and common solutions. This AWS Technical Essentials course provides you with fundamentals to become more proficient in identifying AWS services so that you can make informed decisions about IT solutions based on your business requirements and get started working on AWS.	6	18



#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2021-50	DevOps Engineering on AWS Training	3	Phoenix TS' 3-day, instructor-led DevOps Engineering on AWS Training Phoenix TS' class demonstrates how to use the most common DevOps patterns to develop, deploy, and maintain applications on AWS. The class covers the core principles of the DevOps methodology and examines a number of use cases applicable to startup, small and medium-sized business, and enterprise development scenarios.	6	18
2021-51	ISSAP	5	Phoenix TS' 5-day, instructor-led CISSP-ISSAP is a specialty of the CISSP where you will learn the competence of the six major domains of the Information Systems Security Architecture Professional (ISSAP) Concentration. Phoenix TS' concentration is fundamentally the consultative and analytical process of information security.	5	25
2021-52	ISSEP	5	Phoenix TS' 5-day instructor-led CISSP-ISSEP (Information Systems Security Engineering Professional) prepares attendees for the certification exam. Phoenix TS' concentration is specifically developed with assistance from the U.S. National Security Agency (NSA) for systems security engineers. The skills attained equip professionals with the right knowledge to implement security throughout applications, projects, business processes, and all organizational systems effectively.	5	25
2021-53	AZ-500T00: Microsoft Azure Security Technologies	4	Phoenix TS' 4-day instructor-led Microsoft Azure Security Technologies training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online will provide the knowledge and skills needed to implement security controls, maintain the security posture, and identify and remediate vulnerabilities by using a variety of security tools. The course covers scripting and automation, virtualization, and cloud N-tier architecture.	5	25
2021-54	Securing the Virtual Environment	4	Phoenix TS' 4-day instructor-led Securing the Virtual Environment course provides students with a broad look across virtualization used in various industries as well as vulnerabilities unique to virtualization.	5	25
2021-55	The Machine Learning Pipeline on AWS	4	Phoenix TS' 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.	6	18
2021-56	AZ-104T00: Microsoft Azure Administrator	4	Phoenix TS' 4-day instructor-led Microsoft Azure Administrator training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online teaches IT Professionals how to manage their Azure subscriptions, secure identities, administer the infrastructure, configure virtual networking, connect Azure and on-premises sites, manage network traffic, implement storage solutions, create and scale virtual machines, implement web apps and containers, back up and share data, and monitor your solution.	5	25



#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2021-57	IDA Pro	3	Phoenix TS' 3-day instructor-led course provides students the ability to: Navigate, comment, and modify disassembly, identify known library routines, use code graphing to quickly make sense of cross references and function calls, Extend IDA to support new processors and filetypes using the SDK	5	25
2021-58	AWS Certified SysOps Administrator (Associate)	4	Phoenix TS' 3-day course certification course includes the following two (courses) AWS Technical Essentials and Systems Operations on AWS. The AWS Certified SysOps Administrator – Associate examination is intended for systems administrators in a systems operation's role with at least one year of experience in deployment, management, and operations on AWS.	6	18
2021-59	Network Security Firewalls (Guide to Firewalls and VPNs)	5	Phoenix TS' 5-day instructor-led Network Security Firewalls training will cover the following: Explain the component parts of network security, Define key terms and critical concepts of information and network security, Describe the organizational roles of information and network security, Identify the threats posed to information and network security, Identify the attacks aimed at information and network security, Identify countermeasures to threats and attacks to network security, Explain the implementation of countermeasures to network threats	5	25
2021-60	20462: Administering Microsoft SQL Server 2014 Databases	5	Phoenix TS' 5-day instructor-led course provides students with the knowledge and skills to maintain a Microsoft SQL Server 2014 database. The course focuses on teaching individuals how to use SQL Server 2014 product features and tools related to maintaining a database.	5	25
2021-61	AZ-220T00: Microsoft Azure IoT Developer	4	Phoenix TS' 4-day instructor-led Microsoft Designing and Implementing a Data Science Solution on Azure training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online provides students with the skills and knowledge required to successfully create and maintain the cloud and edge portions of an Azure IoT solution. The course includes full coverage of the core Azure IoT services such as IoT Hub, Device Provisioning Services, Azure Stream Analytics, Time Series Insights, and more. In addition to the focus on Azure PaaS services, the course includes sections on IoT Edge, device management, monitoring and troubleshooting, security concerns, and Azure IoT Central.	5	25
2021-62	Architecting on AWS Training	3	Phoenix TS' 3-day, instructor-led, Architecting on AWS Training course covers the fundamentals of building IT infrastructure on AWS. This AWS Certification course is designed to teach solutions architects how to optimize the use of the AWS Cloud by understanding AWS services and how these services fit into cloud-based solutions. This Amazon AWS Training course emphasizes AWS cloud best practices and recommended design patterns to help students think through the process of architecting optimal IT solutions on AWS. Case studies throughout the course showcase how some AWS customers have designed their infrastructures and the strategies and services they implemented.	6	18



#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2021-63	Cyber Safety	4	Phoenix TS' 4-day instructor-led Cyber Safety training course explores the technical security skills and knowledge applied to IT security for enterprises.	5	25
2021-64	Advanced Architecting on AWS Training	3	Phoenix TS' 3-day AWS course how to build complex solutions that incorporate data services, governance, and security on AWS. Phoenix TS' 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 Phoenix TS' course. Phoenix TS' course prepares students for the AWS Certified Solutions Architect-Professional exam.	6	18
2021-65	Jira and Confluence	5	Phoenix TS' 5-day Jira and Confluence course starts by explaining how to plan and set up a new Jira 8 instance from scratch before getting you acquainted with key features such as emails, workflows, business processes, and much more. In addition, the course covers Jira's data hierarchy and how to design and work with projects. Since Jira is used for issue management, Phoenix TS' course delves into the different issues that can arise in projects. Students will explore fields, including custom fields, and learn to use them for more effective data collection. They'll learn to create new screens from scratch and customize them to suit requirements. The course also covers workflows and business processes, and guides students in setting up incoming and outgoing mail	5	25
2021-66	AZ-900T00: Microsoft Azure Fundamentals	2	Phoenix TS' 2-day, Microsoft Azure Fundamentals (AZ-900T00) instructor-led training and certification boot camp in Washington, DC Metro or Live Online 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.	5	25
2021-67	Microsoft Certified: Azure AI Engineer Associate	3	Phoenix TS' 3-day instructor-led Microsoft Designing and Implementing an Azure AI Solution training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online teaches you the necessary knowledge for designing Azure AI solution by building a customer support chat Bot using artificial intelligence from the Microsoft Azure platform including language understanding and pre-built AI functionality in the Azure Cognitive Services. This certification training encompasses the following course: AI-100T01: Designing and Implementing an Azure AI Solution.	5	25

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2021-68	Microsoft Certified: Azure Data Engineer Associate	5	Phoenix TS' 5-day instructor-led Azure Data Engineers provides students the skills to design and implement the management, monitoring, security, and privacy of data using the full stack of Azure data services to satisfy business needs. Phoenix TS' 5-day Microsoft Certified: Azure Data Engineer Associate certification training encompasses the following two courses: DP-200T01: Implementing an Azure Data Solution and DP-201T01: Designing an Azure Data Solution.	5	25
2021-69	AZ-303T00: Microsoft Azure Architect Technologies	5	Phoenix TS' 5-day instructor-led Microsoft Designing and Implementing a Data Science Solution on Azure training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online teaches Solutions Architects how to translate business requirements into secure, scalable, and reliable solutions. Lessons include virtualization, automation, networking, storage, identity, security, data platform, and application infrastructure. This course outlines how decisions in each these area affects an overall solution.	5	25
2021-70	Developing on AWS	3	Phoenix TS' 3-day, instructor-led Developing on AWS Training Phoenix TS' class helps developers understand how to use the AWS SDK to develop secure and scalable cloud applications. Phoenix TS' Amazon AWS Training Phoenix TS' class provides in-depth knowledge about how to interact with AWS using code and covers key concepts, best practices, and troubleshooting tips.	6	18
2021-71	Network Defense Range	5	Phoenix TS' 5-day Network Defense Range course assumes participants know how to use a computer, and that they're familiar with basic networking and security principles. It does not assume that they've set up basic virtual machines before. Participants will establish the foundation in TCP/IP, Phoenix TS' is critical to being able to perform network analysis on a modern enterprise network, Participants will benefit most from Phoenix TS' course if they want to learn basic monitoring and analysis tasks, or if they want to augment their understanding of intrusion analysis. , Participants will benefit most from Phoenix TS' course if they want to learn network analysis tasks, intrusion analysis and incident response. Participants will learn how to recognize and analyze abnormal traffic that could be an attack or an error on the network. Furthermore, the course will add tools to assist in the process of going deeper into analysis.	5	25

#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2021-72	AZ-204T00: Developing solutions for Microsoft Azure	5	Phoenix TS' 5-day instructor-led Microsoft Developing solutions for Microsoft Azure training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online teaches developers how to create end-to-end solutions in Microsoft Azure. Students will learn how to implement Azure compute solutions, create Azure Functions, implement, and manage web apps, develop solutions utilizing Azure storage, implement authentication and authorization, and secure their solutions by using KeyVault and Managed Identities. Students will also learn how to connect to and consume Azure services and third-party services and include event- and message-based models in their solutions. The course also covers monitoring, troubleshooting, and optimizing Azure solutions.	5	25
2021-73	Microsoft Certified: Azure Developer Associate	5	Phoenix TS' 5-day instructor-led Microsoft Developing solutions for Microsoft Azure training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online teaches developers how to create end-to-end solutions in Microsoft Azure. Students will learn how to implement Azure compute solutions, create Azure Functions, implement, and manage web apps, develop solutions utilizing Azure storage, implement authentication and authorization, and secure their solutions by using KeyVault and Managed Identities. Students will also learn how to connect to and consume Azure services and third-party services and include event- and message-based models in their solutions. The course also covers monitoring, troubleshooting, and optimizing Azure solutions. This certification training encompasses the following course: AZ-204T00: Developing solutions for Microsoft Azure.	5	25
2021-74	ISSMP	5	Phoenix TS' 5-day, instructor-led CISSP-ISSMP (Information Systems Security Management Professional) training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online 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.	5	25
2021-75	MS-500T00: Microsoft 365 Security Administration	4	Phoenix TS' 4-day instructor-led Microsoft 365 Security Administration training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online you will learn how to secure user access to your organization's resources. The course covers user password protection, multi-factor authentication, how to enable Azure Identity Protection, how to setup and use Azure AD Connect, and introduces you to conditional access in Microsoft 365.	5	25

#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2021-76	Network Traffic Analysis	5	Phoenix TS' 5-day Network Traffic Analysis course examines the TCP/IP protocol suite at the lowest level and prepares the student for the ability to analyze network communications. The course focuses on the main protocols to include DHCP and others. The student will learn how to identify different components of network communications and determine if the communications is normal or abnormal. The student will be introduced to the hacking methodology and the course will conclude with a challenge for the student to deploy the concepts from the class and create their own network analysis cyber range.	5	25
2021-77	Cloud Practitioner Essentials	1	Phoenix TS' 1-day course is intended for individuals seeking to gain knowledge about the AWS Cloud. Phoenix TS' course also helps you prepare for the AWS Certified Cloud Practitioner Exam.	6	18
2021-78	Managing Risk in Information Systems	4	Phoenix TS' 4-day instructor-led course teaches Managing Risk in Information Systems and provides a comprehensive overview of the SSCP® Risk, Response, and Recovery Domain in addition to providing a thorough overview of risk management and its implications on IT infrastructures and compliance. Phoenix TS provides a wealth of examples and exercises, and hands-on activities which take the student through the fundamentals of risk management, strategies and approaches for mitigating risk, and the anatomy of how to create a plan that reduces risk.	5	25
2021-79	Microsoft Certified: Azure Security Engineer Associate	4	Phoenix TS' 4-day instructor-led Microsoft 365 Security Administration training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online you will learn how to secure user access to your organization's resources. The course covers user password protection, multi-factor authentication, how to enable Azure Identity Protection, how to setup and use Azure AD Connect, and introduces you to conditional access in Microsoft 365. This certification training encompasses the following course: AZ-500T00: Microsoft Azure Security Technologies.	5	25
2021-80	Microsoft 365 Certified: Teams Administrator Associate	4	Phoenix TS' 4-day instructor-led Microsoft Managing Microsoft Teams training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online is designed for persons who are aspiring to the Microsoft 365 Teams Admin role. Microsoft Teams admins configure, deploy, and manage Office 365 workloads for Microsoft Teams that focus on efficient and effective collaboration and communication in an enterprise environment. This certification training encompasses the following course: MS-700T00: Managing Microsoft Teams.	5	25
2021-81	Big Data on AWS Training	3	Phoenix TS' 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.	6	18





#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2021-82	MS-700T00: Managing Microsoft Teams	4	Phoenix TS' 4-day instructor-led Microsoft Managing Microsoft Teams training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online is designed for persons who are aspiring to the Microsoft 365 Teams Admin role. Microsoft Teams admins configure, deploy, and manage Office 365 workloads for Microsoft Teams that focus on efficient and effective collaboration and communication in an enterprise environment.	5	25
2021-83	AWS Certified Cloud Practitioner	1	Phoenix TS' 1-day AWS Certified Cloud Practitioner certification training encompasses the AWS Cloud Practitioner Essentials course. The AWS Certified Cloud Practitioner examination is intended for individuals who have the knowledge and skills necessary to effectively demonstrate an overall understanding of the AWS Cloud, independent of specific technical roles addressed by other AWS Certifications.	6	18
2021-84	Microsoft 365 Certified: Fundamentals	1	Phoenix TS' 1-day instructor-led Microsoft 365 Fundamentals training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online provides foundational knowledge on the considerations and benefits of adopting cloud services and the Software as a Service (SaaS) cloud model, with a specific focus on Microsoft 365 cloud service offerings. This certification training encompasses the MS-900: Microsoft 365 Fundamentals course.	5	25
2021-85	AWS Certified Solutions Architect (Associate)	9	Phoenix TS' 9-day certification course includes the following three (courses) AWS Technical Essentials, Architecting on AWS Training and Architecting on AWS - Accelerator. The AWS Certified Solutions Architect - Associate examination is intended for individuals who perform a solutions architect role and have one or more years of hands-on experience designing available, cost-efficient, fault-tolerant, and scalable distributed systems on AWS.	6	18
2021-86	DP-300T00: Administering Relational Databases on Microsoft Azure	4	Phoenix TS' 4-day instructor-led Microsoft Administering Relational Databases on Microsoft Azure training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online teaches the knowledge and skills to administer a SQL Server database infrastructure for cloud, on-premises and hybrid relational databases and who work with the Microsoft PaaS relational database offerings. Additionally, it will be of use to individuals who develop applications that deliver content from SQL-based relational databases.	5	25



#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2021-87	Access Control, Authentication, and Public Key Infrastructure	4	Phoenix TS' 4-day instructor-led course provides students the ability to do the following: Define authorization and access to an IT infrastructure based on an access control policy framework, Mitigate risk to an IT infrastructure's confidentiality, integrity, and availability with sound access controls, Analyze how a data classification standard impacts an IT infrastructure's access control requirements and implementation, Develop an access control policy framework consisting of best practices for policies, standards, procedures, and guidelines to mitigate unauthorized access, Define proper security controls within the User Domain to mitigate risks and threats caused by human behavior, Implement appropriate access controls for information systems within IT infrastructures, Design appropriate authentication solutions throughout an IT infrastructure based on user types and data classification standards, Implement a secure remote access solution, Implement PKI and encryption solutions to ensure the confidentiality of business communications, Mitigate risk from unauthorized access to IT systems through proper testing and reporting.	5	25
2021-88	Microsoft Certified: Azure AI Fundamentals	1	Phoenix TS' 1-day instructor-led Microsoft Azure AI Fundamentals training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online introduces fundamentals concepts related to artificial intelligence (AI), and the services in Microsoft Azure that can be used to create AI solutions. The course is not designed to teach students to become professional data scientists or software developers, but rather to build awareness of common AI workloads and the ability to identify Azure services to support them. This certification training encompasses the following course: AI-900T00: Microsoft Azure AI Fundamentals.	5	25
2021-89	Assembly Language Programming	4	Phoenix TS' 4-day instructor led course will provide professionals with an introduction to assembly language programming skills.	5	25
2021-90	Risk Management Framework for DoD Security Control Assessors	4	Phoenix TS' 4-day Risk Management Framework for DoD Security Control Assessors course covers the unified information security framework for the entire federal government that is replacing the legacy Certification and Accreditation (C&A) processes within federal government departments and agencies, the Department of Defense (DOD) and the Intelligence Community (IC). DoD officially began its transition from the legacy DIACAP process to the new "RMF for DoD IT" process. At the completion of Phoenix TS' class, participants will be able to do the following: Understand the Risk Management Framework for DoD IT authorization process, Understand and test the controls using NIST SP 800-53A Rev. 4, Explain statutory and regulatory requirements, Apply these principles to real-world activities and situations.	5	25
2021-91	AWS Certified Database (Specialty)	3	Phoenix TS' 3-day AWS Certified Database (Specialty) certification training encompasses the AWS course Planning and Designing Databases on AWS.	6	18

#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2021-92	Advanced Developing on AWS	3	Phoenix TS' 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	6	18
2021-93	MS-100T00: Microsoft 365 Identity and Services	5	Phoenix TS' 5-day instructor-led Microsoft 365 Identity and Services training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online covers three central elements of Microsoft 365 enterprise administration – Microsoft 365 tenant and service management, Office 365 management, and Microsoft 365 identity management. In Microsoft 365 tenant and service management, you will examine all the key components that must be planned for when designing your Microsoft 365 tenant.	5	25
2021-94	MS-101T00: Microsoft 365 Mobility and Security	5	Phoenix TS' 5-day instructor-led Microsoft 365 Mobility and Security training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online covers three central elements of Microsoft 365 enterprise administration – Microsoft 365 security management, Microsoft 365 compliance management, and Microsoft 365 device management. In Microsoft 365 security management, you will examine all the common types of threat vectors and data breaches facing organizations today, and you will learn how Microsoft 365's security solutions address these security threats.	5	25
2021-95	AZ-400T00: Designing and Implementing Microsoft DevOps solutions	5	Phoenix TS' 5-day instructor-led Microsoft Designing and Implementing Microsoft DevOps solutions training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online provides you the knowledge and skills to design and implement DevOps processes and practices. Students will learn how to plan for DevOps, use source control, scale Git for an enterprise, consolidate artifacts, design a dependency management strategy, manage secrets, implement continuous integration, implement a container build strategy, design a release strategy, set up a release management workflow, implement a deployment pattern, and optimize feedback mechanisms.	5	25
2021-96	Network Security Monitoring with Security Onion	4	Phoenix TS' 4-day Network Security Monitoring with Security Onion course will provide the basic concepts of Security Onion and it's use as a Network Security Monitoring (NSM) suite. Participants will install Security Onion, then use component tools to collect and visualize network data. Participants will also learn toolset service verification and troubleshooting in Phoenix TS' course.	5	25

#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2021-97	Linux for Developers	5	Phoenix TS' 5-day Linux for Developers course teaches UNIX programming in a simple and structured way on the Linux platform. Students will learn by doing and are able to move from being a Linux beginner to creating custom applications in Linux. The course introduces fundamental concepts beginning with the basics of writing Unix programs in C, and including material on basic system calls, file I/O, inter-process communication (for getting programs to work together), and shell programming. Parallel to Phoenix TS', the course introduces the toolkits and libraries for working with user interfaces, from simpler terminal mode applications to X and GTK+ for graphical user interfaces. Advanced topics are covered in detail such as processes, pipes, semaphores, socket programming, using MySQL, writing applications for the GNOME or the KDE desktop, writing device drivers, POSIX Threads, and kernel programming for the latest Linux Kernel. At conclusion of training attendees will see a marked increase in their knowledge, skills and abilities of Linux operating systems, theories and best practices.	5	25
2021-98	Docker	3	Phoenix TS' 3-day instructor-led course provides students the ability to: develop containerized applications using Docker, build Docker images from containers and launch them, develop Docker images and containers using Docker files, use Docker volumes to share data	5	25
2021-99	Information Security Risk Assessment through Data Collection and Analysis	4	Phoenix TS' 4-day instructor-led course teaches the security practitioner to find out: What needs protection What risks those assets are exposed to, what controls are in place to offset those risks, where to focus attention for risk treatment, Expert lecture and exercises enforce the true value and purpose of information security risk assessments. Student gain proficiency in conducting effective risk assessments that provide defensible analysis of residual risk association to present risk treatment options. Phoenix TS' course gives students the tools and skills to acquire a quick, reliable, and thorough risk assessment for key stakeholders.	5	25
2021-100	Microsoft Certified: Azure IoT Developer Specialty	4	Phoenix TS' 4-day instructor-led Microsoft Designing and Implementing a Data Science Solution on Azure training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online provides students with the skills and knowledge required to successfully create and maintain the cloud and edge portions of an Azure IoT solution. The course includes full coverage of the core Azure IoT services such as IoT Hub, Device Provisioning Services, Azure Stream Analytics, Time Series Insights, and more. In addition to the focus on Azure PaaS services, the course includes sections on IoT Edge, device management, monitoring and troubleshooting, security concerns, and Azure IoT Central. This certification training encompasses the following course: AZ-220T00: Microsoft Azure IoT Developer.	5	25

#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
<b>2021-101</b>	Microsoft 365 Certified: Security Administrator Associate	4	Phoenix TS' 4-day instructor-led Microsoft 365 Security Administration training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online you will learn how to secure user access to your organization's resources. The course covers user password protection, multi-factor authentication, how to enable Azure Identity Protection, how to setup and use Azure AD Connect, and introduces you to conditional access in Microsoft 365. This certification training encompasses the following course: MS-500T00: Microsoft 365 Security Administration	5	25
<b>2021-102</b>	Advanced Jira	2	Phoenix TS' 2-day instructor-led Advanced Jira course is intended for developers who are looking to advance their skills in Phoenix TS' project management application. It will teach you: How to delegate administrator permissions effectively, Insights into integrating Jira with Bitbucket Cloud and GitHub, Ways to collaborate with your internal teams on service requests, how to add permissions to fields, how to set up SSO with Google, how to copy over configuration settings between Jira instances	5	25
<b>2022-1</b>	Certified Chief Information Security Officer (CCISO)	5	Phoenix TS' 5-day Certified Chief Information Security Officer (CCISO) certification course is designed to teach and verify executive security professionals who aspire to become Chief Information Security Officers (CISOs). The training addresses the five core domains required to master for the certification, which includes the management of information security (IS) governance programs and best practices to implement and maintain as a security executive within an enterprise environment. This course includes one (1) CCISO exam voucher.	5	25
<b>2022-2</b>	Cisco Certified Network Associate-Security (CCNA-Security)	5	Phoenix TS' 5-day Cisco Certified Network Associate-Security (CCNA-Security) course prepares you for the 210-260 IINS: Implementing Cisco Network Security exam and is available in both an online and in- person format. This 5-day training course is designed to provide the necessary knowledge and skills to properly implement and monitor a comprehensive security policy. In addition, students will be led through all the exam objectives so that they are properly prepared to handle the CCNA Security certification exam at the end of the 5-day course. Course Length: 5 Days Prerequisites: Networking experience. This course includes (1) one 300-730 SVPN exam voucher.	6	18
<b>2022-3</b>	Cisco Certified Network Professional-Security (CCNP-Security)	10	Phoenix TS' 10-day Cisco Certified Network Professional-Security (CCNP-Security) certification course issued focuses on security infrastructure which involves network security, cloud security, content security and secure network access. You will get to learn to implement automation to increase security on devices in a business organization. This course includes (5) five-day training for core exam 350-701 SCOR and (5) five-day training on the 300-730 SVPN concentration exams for a total of (10) days. Also included are (1) one 350-701 SCOR exam voucher and (1) one 300-730 SVPN exam voucher	6	18



#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
<b>2022-4</b>	SCOR - Implementing and Operating Cisco Security Core Technologies	5	Phoenix TS' 5-day Implementing and Operating Cisco Security Core Technologies (SCOR) course helps you prepare for the Cisco CCNP Security and CCIE Security certifications and for senior-level security roles. In this course, you will master the skills and technologies you need to implement core Cisco security solutions to provide advanced threat protection against cybersecurity attacks. This course includes (1) one 350-701 SCOR exam voucher.	6	18
<b>2022-5</b>	SVPN - Implementing Secure Solutions with Virtual Private Networks	5	Phoenix TS' 5-day Implementing Secure Solutions with Virtual Private Networks (SVPN) v1.0 course teaches you how to implement, configure, monitor, and support enterprise Virtual Private Network (VPN) solutions. Through a combination of lessons and hands-on experiences you will acquire the knowledge and skills to deploy and troubleshoot traditional Internet Protocol Security (IPsec), Dynamic Multipoint Virtual Private Network (DMVPN), FlexVPN, and remote access VPN to create secure and encrypted data, remote accessibility, and increased privacy. Prerequisites: Before taking this course, you should have the following knowledge and skills: Familiarity with the various Cisco router and firewall command modes, Experience navigating and managing Cisco routers and firewalls, Clear understanding of the benefits of site-to-site and Remote Access VPN options. This course includes (1) one 300-730 SVPN exam voucher.	6	18
<b>2022-6</b>	CyberSec First Responder (CFR)	5	Phoenix TS' 5-day CyberSec First Responder (CFR) course covers network defense and incident response methods, tactics, and procedures are taught in alignment with industry frameworks such as NIST 800-61 r.2 (Computer Security Incident Handling), US-CERT's NCISP (National Cyber Incident Response Plan), and Presidential Policy Directive (PPD) 41 on Cyber Incident Coordination Policy. It is ideal for candidates who have been tasked with the responsibility of monitoring and detecting security incidents in information systems and networks, and for executing standardized responses to such incidents. The course introduces tools, tactics, and procedures to manage cybersecurity risks, identify various types of common threats, evaluate the organization's security, collect and analyze cybersecurity intelligence and remediation/report incidents as they occur. This course provides a comprehensive methodology for individuals responsible for defending the cybersecurity of their organization. This course includes (1) one CFR-310 exam voucher.	5	25

#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
<b>2022-7</b>	GIAC Certified Enterprise Defender (GCED)	6	This 6-day GIAC Certified Enterprise Defender (GCED) course increases your knowledge and skills in the specific areas of network architecture defense, penetration testing, security operations, digital forensics and incident response, and malware analysis. SEC501: Advanced Security Essentials - Enterprise Defender is an essential course for members of security teams of all sizes. That includes smaller teams where you wear several (or all) hats and need a robust understanding of many facets of cybersecurity, and larger teams where your role is more focused, and gaining skills in additional areas adds to your flexibility and opportunities. This course concentrates on showing you how to examine the traffic that is flowing on your networks, look for indications of an attack, and perform penetration testing and vulnerability analysis against your enterprise to identify problems and issues before a compromise occurs. When a compromise does occur - and it will - you'll be able to eradicate it because you will have already scoped your adversaries' activities by collecting digital artifacts of their actions and analyzing malware they have installed on your systems. That done, you can then undertake the recovery and remediation steps that would have been pointless if your adversary had persisted on your network. This class includes one (1) GCED exam voucher.	6	18
<b>2022-8</b>	GIAC Certified Forensic Analyst (GCFA)	6	This 6-day GIAC Certified Forensic Analyst (GCFA) course teaches advanced skills to hunt, identify, counter, and recover from a wide range of threats within enterprise networks, including APT nation-state adversaries, organized crime syndicates, and hactivists. This class includes one (1) GCFA exam voucher.	6	18
<b>2022-9</b>	GIAC Certified Incident Handler (GCIH)	6	The 6-day GIAC Certified Incident Handler (GCIH) SEC504 course will prepare you to turn the tables on computer attackers. This course addresses the latest cutting-edge insidious attack vectors, the "oldie-but-goodie" attacks that are still so prevalent, and everything in between. You will learn the most modern, step-by-step processes for incident response; how attackers undermine systems so you can prepare, detect, and respond to them; and how to discover holes in your system before the bad guys do. Instead of merely teaching you a few hack attack tricks, this course will give you hands-on experience, equip you with a comprehensive incident handling plan, and help you understand the legal issues associated with responding to computer attacks, including employee monitoring, working with law enforcement, and handling evidence. This class includes one (1) GCIH exam voucher.	6	18

#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
<b>2022-10</b>	GIAC Certified Intrusion Analyst (GCIA)	6	This 6-day GIAC Certified Intrusion Analyst (GCIA) SEC503 course is one of the most important courses that you will take in your information security career. While past students describe it as the most difficult class they have ever taken, they also tell us it was the most rewarding. This course isn't for people who are simply looking to understand alerts generated by an out-of-the-box Intrusion Detection System (IDS). It's for people who want to deeply understand what is happening on their network today, and who suspect that there are very serious things happening right now that none of their tools are telling them about. If you want to be able to find zero-day activities on your network before disclosure, this is definitely the class for you. This class includes one (1) GCIA exam voucher.	6	18
<b>2022-11</b>	GIAC Global Industrial Cyber Security Professional (GICSP)	6	This 6-day GIAC Global Industrial Cyber Security Professional (GICSP) course provides the basic understanding of networking and system administration, TCP/IP, networking design/architecture, vulnerability assessment, and risk methodologies. ICS410 covers many of the core areas of security and assumes a basic understanding of technology, networks, and security. For those who are brand new to the field and have no background knowledge, SEC301: Intro to Information Security would be the recommended starting point. While SEC301 is not a prerequisite, it provides introductory knowledge that will help maximize a student's experience with ICS410. This class includes one (1) GICSP exam voucher.	6	18
<b>2022-12</b>	GIAC Security Essentials Certification (GSEC)	6	The 6-day GIAC Security Essentials Certification (GSEC) SEC401 course will provide the essential information security skills and techniques you need to protect and secure your critical information and technology assets, whether on-premises or in the cloud. SEC401 will also show you how to directly apply the concept learned into a winning defensive strategy, all in the terms of the modern adversary. This is how we fight; this is how we win! This class includes one (1) GSEC exam voucher.	6	18
<b>2022-13</b>	GIAC Security Leadership Certificate (GSLC)	5	the 5-day GIAC Security Leadership Certificate (GSLC) MGT512 course empowers student to become effective security managers and quickly grasp critical information security issues and terminology, with a focus on security frameworks, computer/network security, vulnerability management, cryptography, data protection, security awareness. This class includes one (1) GSLC exam voucher.	6	18
<b>2022-14</b>	GIAC Systems and Network Auditor (GSNA)	6	The 6-day GIAC Systems and Network Auditor (GSNA) AUD507 course gives you the three things needed to measure, report on, and manage risk in the enterprise: tools, techniques and thought processes. Auditors, managers, security and compliance professionals will get the mix of hands-on experience and classroom discussion they need to better protect their organizations. You'll learn to audit Windows, Linux, containers, web technologies, virtualization and networks. This class includes one (1) GSNA exam voucher.	6	18





#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2022-15	AWS Certified Advanced Networking (Specialty)	1	This 1-day AWS Certified Advanced Networking - Specialty course provides technical skills and experience in designing and implementing AWS and hybrid IT network architectures at scale. As a networking specialist, you will design a secure, scalable, and highly available network infrastructure on AWS while addressing requirements like network security, hybrid IT connectivity, network integration with other AWS services, routing techniques, and network troubleshooting.	6	18
2022-16	Microsoft Office SharePoint Level 1	1	Phoenix TS' 1-day Microsoft Office SharePoint Level 1 instructor-led course provides the basic concepts and skills to start being productive with Microsoft Share Point	5	25
2022-17	Microsoft Office SharePoint Level 2	1	Phoenix TS' 1 day Share Point Level 2 course builds on the basic concepts and skills of our Level 1 course. You will manage site collections and site components as a site collection administrator and as a site administrator. This course is designed for individual contributors or departmental staff in a variety of job roles, such as administrative assistants, functional or operations managers, with basic SharePoint skills, and who have the responsibility for managing SharePoint sites as an enabling technology within their workgroups, not necessarily IT tech professionals.	5	25
2022-18	Microsoft Office SharePoint Level 3	1	Phoenix TS' 1-day Share Pont Level 3 course covers more advanced features of Share Point such as collection administration, from planning to reporting. The class begins with a lesson on planning a site or site collection, moves into permissions, through customization of content types, through general site features and site administration tools.	5	25
2022-19	Microsoft Office Excel Level 1	1	Phoenix TS' 1-day Microsoft Office Excel Level 1 instructor-led course provides the basic concepts and skills to start being productive with Microsoft Excel 2010: how to create, save, share, and print worksheets that contain various kinds of calculations and formatting.	5	25
2022-20	Microsoft Office Excel Level 2	1	Phoenix TS' 1 day Excel 2019 Level 2 course builds on the basic concepts and skills of our Level 1 course to provide more advanced tools for analysis and presentation of complex, realistic data in Microsoft Excel 2019. Participants will learn how to manage complex workbooks, build more complex functions, use data analysis tools, make an impact with powerful chart and presentation features, and collaborate with other users.	5	25
2022-21	Microsoft Office Excel Level 3	1	Phoenix TS' 1 day Microsoft Office Excel Level 3 course builds on the concepts and skills of our Level 1 and Level 2 courses to provide advanced tools for solving real-world problems in Microsoft Excel 2016: lookup and decision-making functions, auditing and error-handling, array functions, date and text functions, importing and exporting, what-if-analysis, and macros. The three levels of our Excel 2016 courses map to the Microsoft Office Specialist and Expert exams' objectives for Excel 2016.	5	25



#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2022-22	Microsoft Office Project Level 3	1	Phoenix TS' 1-day, instructor-led Microsoft Project Level 3 course addresses the advanced features of MS Project.	5	25
2022-23	Microsoft Office Power Point Level 3	1	Phoenix TS' 1-day, instructor-led Microsoft Power Point Level 3 course addresses the advanced features of MS Power Point.	5	25
2022-24	Microsoft 365 Certified: Developer Associate	5	Phoenix TS' 5-day Microsoft 365 Certified: Developer Associate course provides the knowledge required to implement Microsoft Identity and work with Microsoft Graph. Students will also gain the knowledge on UI elements (including Adaptive Cards and UI Fabric), Integration Points (including Microsoft Teams, Office Add-ins, SharePoint Framework, Actionable Messages), and determining workload platform targets. This course is based on the course objectives of MS-600T00: Building Applications and Solutions with Microsoft 365 Core Services. Prerequisites: Candidates should have experience developing solutions on Microsoft Teams, Office, or SharePoint through all phases of software development. They should have a basic understanding of REST APIs, JSON, OAuth2, OData, OpenID Connect, Microsoft identities (including Azure AD and Microsoft accounts), Azure AD B2C, and permission/consent concepts.	5	25
2022-25	Microsoft 365 Certified: Modern Desktop Administrator Associate	5	Phoenix TS' 5-day Microsoft 365 Certified: Modern Desktop Administrator Associate course provides students the knowledge to plan and implement an operating system deployment strategy using modern deployment methods, as well as how to implement an update strategy. Students will be introduced to key components of modern management and co-management strategies. This course also covers what it takes to incorporate Microsoft Intune into your organization. Students will also learn about methods for deployment and management of apps and browser-based applications. Students will be introduced to the key concepts of security in modern management including authentication, identities, access, and compliance policies. Students will be introduced to technologies such as Azure Active Directory, Azure Information Protection and Windows Defender Advanced Threat Protection, as well as how to leverage them to protect devices and data.	5	25
2022-26	Microsoft Certified: Windows Virtual Desktop Specialty	4	Phoenix TS' 4-day Microsoft Certified: Windows Virtual Desktop Specialty course teaches Azure administrators how to plan, deliver, and manage virtual desktop experiences and remote apps, for any device, on Azure.	5	25
2022-27	Microsoft Certified: Azure Stack Hub Operator Associate	4	Phoenix TS' 4-day Microsoft Certified: Azure Stack Hub Operator Associate course teaches Azure administrators and Azure Stack Hub operators how to plan, deploy, package, update, and maintain the Azure Stack Hub infrastructure. Lessons include deploying Azure Stack Hub, managing the Azure Stack Hub Marketplace, offering App Services and Event Hub resource providers, managing Azure Stack Hub registration, and maintaining system health.	5	25



#	Name	Length (days)	Description	Min # of stdnts	Max # of stdnts
2022-28	Microsoft Certified: Azure for SAP Workloads Specialty	4	Phoenix TS' 4-day Microsoft Certified: Azure for SAP Workloads Specialty course teaches IT Professionals experienced in SAP solutions how to leverage Azure resources that include deployment and configuration of virtual machines, virtual networks, storage accounts, and Azure AD that includes implementing and managing hybrid identities.	5	25

**Class Schedules:** As agreed to between ordering agency and Phoenix TS

**Class Location:** Phoenix TS provided site

## Phoenix Technology Solutions, LLC. GSA Pricelist

### Phoenix TS Technical Classes

List price based on classroom at client site or Phoenix TS site and is per student. All training is hands-on instructor led.

Course #	Course Name	GSA Price w/IFF
1001	Interconnecting Cisco Networking Devices1 (ICND 1)	\$3,087.51
1002	Interconnecting Cisco Networking Devices 2 (ICND 2)	\$3,087.51
1003	Cisco Certified Network Associate (CCNA)	\$2,848.56
1004	CCNP: Implementing Cisco IP Routing (ROUTE)	\$3,368.61
1005	CCNP: Implementing Cisco IP Switched Networks (SWITCH)	\$3,368.61
1006	CCNP: Troubleshooting and Maintaining Cisco IP Networks (TSHOOT)	\$3,368.61
1007	ICOMM - Introducing Cisco Voice and Unified Communications Administration v8.1	\$3,274.91
1008	IUWNE - Implementing Cisco Unified Wireless Networking Essentials v2.0	\$3,274.91
1009	IINS - Implementing Cisco IOS Network Security v2.0	\$3,274.91
1018	DCUCI - Implementing Cisco Data Center Unified Computing v5.0	\$3,462.32
1020	DCMDS - Configuring Cisco MDS 9000 Series Switches v2.0	\$3,462.32
1021	Securing Cisco Networks with Threat Detection and Analysis (SCYBER)	\$3,274.91
1028	CompTIA A+	\$2,244.18
1029	CompTIA Network+	\$2,244.18
1030	CompTIA Security+	\$2,244.18
1031	CompTIA Server+	\$1,424.28
1032	CompTIA Linux+	\$2,244.18
1035	Certified Ethical Hacker (CEH)	\$2,525.29
1036	Computer Hacking Forensic Investigator (CHFI)	\$2,525.29
1037	ECSC/LPT	\$2,618.99
1038	Certified Information Security Manager (CISM)	\$2,267.61
1039	Certified Information Systems Auditor (CISA)	\$2,267.61
1040	ITIL® 2011 Foundations	\$1,827.20
1041	ITIL® 2011 Lifecycle - Service Strategy (SS)	\$1,920.91
1042	ITIL® 2011 Lifecycle - Service Design (SD)	\$1,920.91
1043	ITIL® 2011 Lifecycle - Service Transition (ST)	\$1,920.91



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Course #	Course Name	GSA Price w/IFF
1044	ITIL® 2011 Lifecycle - Service Operation (SO)	\$1,920.91
1045	ITIL® 2011 Lifecycle - Continual Service Improvement (CSI)	\$1,920.91
1046	ITIL® 2011 Capability- Operational Support& Analysis (OSA)	\$2,417.53
1047	ITIL® 2011 Capability - Release, Control & Validation (RCV)	\$2,417.53
1048	ITIL® 2011 Capability - Planning Protection & Optimization (PPO)	\$2,417.53
1049	ITIL® 2011 Capability - Service Offerings & Agreements (SOA)	\$2,417.53
1050	ITIL® 2011 Capstone - Managing Across the Lifecycle (MALC)	\$2,417.53
1051	Certified Wireless Network Administrator (CWNA)	\$2,431.59
1052	Certified Wireless Security Professional (CWSP)	\$2,618.99
1053	Certified Wireless Technology Specialist (CWTS)	\$1,274.36
1055	Certified Wireless Analysis Professional (CWAP)	\$2,712.70
1070	Certified Information Systems Security Professional (CISSP)	\$2,150.48
1100	Analytics/Basis Statics/Metric	\$1,358.69
1101	Advanced Analytics	\$1,583.58
1102	Data Analytics Level 1	\$1,391.49
1103	Data Analytics Level 2	\$1,391.49
1104	Data Analytics Bootcamp	\$1,827.20
1105	Project Management for IT Professionals	\$1,770.98
1106	SharePoint End user (Customized for DISA)	\$484.44
1107	SharePoint Administration (Customized for DISA)	\$2,417.53
2016	PMI Risk Management Professional (PMI-RMP)	\$1,803.78
2017	Certified Associate in Project Management (CAPM)	\$2,038.04
2018	PMI Agile Certified Practitioner	\$1,803.78
2019	Project Management Professional (PMP)	\$2,108.31
2020	CCAH - Cloudera Certified Administrator for Apache Hadoop	\$2,806.40
2021	CCDH - Cloudera Certified Developer for Apache Hadoop	\$2,806.40
2022	CCSHB - Cloudera Certified Specialist in Apache HBase	\$2,806.40
2023	Cloudera Data Analyst: Pig, Hive and Impala Training	\$2,150.48
2024	Cloudera Developer Training for Apache Spark	\$2,150.48
2025	Designing and Building Big Data Applications	\$3,087.51
2026	Introduction to Data Science - Building Recommender Systems	\$2,150.48
2027	OpenShift Enterprise Administration (CL280)	\$1,358.69
2031	Red Hat® Enterprise Performance Tuning (RH442)	\$3,279.60
2032	Red Hat® Enterprise Virtualization (RH318)	\$3,279.60
2033	Red Hat® JBoss A-MQ Development and Deployment (JB437)	\$1,499.24
2034	Red Hat® JBoss Application Administration I (JB248)	\$2,989.12
2035	Red Hat® JBoss Application Administration II (JB348)	\$3,185.89
2038	Red Hat® OpenStack Administration (CL210)	\$2,525.29
2039	Red Hat® Server Hardening (RH413)	\$3,279.60
2040	Red Hat® System Administration I (RH124)	\$3,185.89
2041	Red Hat® System Administration II (RH134)	\$2,989.12
2042	Red Hat® System Administration III (RH254)	\$2,989.12
2043	RHCE Rapid Track (RH299) Course	\$3,279.60
2044	RHCSA Rapid Track (RH199) Course	\$3,279.60
2045	Advanced Python 3 Programming	\$1,307.15
2046	Introduction to Python 3	\$1,827.20
2047	FITSP - Designer Certification	\$2,337.88
2048	FITSP Auditor Certification	\$2,337.88

Course #	Course Name	GSA Price w/IFF
2049	FITSP Manager Certification	\$2,337.88
2050	FITSP Operator Certification	\$2,337.88
2051	Cyber Warfare for Management	\$1,638.86
2052	Cyber Warfare for Practitioners	\$1,635.11
2053	Network Security Administration for Practitioners	\$1,635.11
2054	Network Defense: Security and Vulnerability Assessment	\$1,770.98
2055	Configuring CISCO Routers for Network Security	\$1,770.98
2056	Securing the Virtual Environment	\$1,770.98
2057	Securing SharePoint	\$1,827.20
2058	Security in an IPv6 Environment	\$1,677.28
2059	Cyber Security: Threat Analysis and Response Solutions	\$1,827.20
2060	Incident Response	\$1,827.20
2061	Network Intrusion Detection	\$1,827.20
2062	Practical Packet Analysis	\$1,827.20
2063	Mobile Security	\$1,616.37
2064	Securing Microsoft Windows 7	\$1,677.28
2065	PowerShell in Depth	\$1,827.20
2066	SCADA - Supervisory Control and Data Acquisition Security	\$4,258.79
2067	Securing Web Applications, Services, and Servers	\$1,677.28
2068	Penetration Testing: Procedures & Methodologies	\$1,827.20
2069	Cyber Threat Counter-Exploitation	\$1,119.75
2070	Python Security for Practitioners	\$1,827.20
2071	Defending against Social Engineering Attacks	\$1,635.11
2072	Network Forensics	\$1,864.69
2073	Securing VoIP Networks	\$1,489.87
2074	Wireless Safety	\$1,864.6
2075	Malware Analysis Training	\$1,864.6
2076	Introduction to Cyber Security for Practitioners	\$1,489.8
2077	Cloud Security Training	\$1,827.2
2078	Virtualization Essentials Professional (VEP)	\$1,494.5
2034	2034: Core Solutions of Microsoft Exchange Server 2013	\$2,333.20
3000	Introduction to Project Management	\$1,026.05
3002	Multi-Protocol Label Switching	\$1,236.88
3003	TCP/IP Networking	\$1,236.88
3004	Voice and Video Over IP (VoIP)	\$3,279.60
3012	Certified Authorization Professional (CAP®)	\$1,963.07
3013	Client-Server Technology Overview	\$979.19
10341	CompTIA Advanced Security Practitioner (CASP) Certification	\$2,337.88
10342	CompTIA Cloud+ Certification	\$2,150.48
10348	CompTIA Cloud Essentials	\$1,119.75
10371	Certified Incident Handler (ECIH)	\$1,532.04
10372	Disaster Recovery Professional (EDRP)	\$2,056.78
10391	Certified in Risk and Information Systems Control (CRISC)	\$2,056.78
10711	Risk Management Framework (RMF)	\$2,014.61
10967	10967: Fundamentals of a Windows Server Infrastructure	\$2,333.20
10969	10969: Active Directory Services with Windows Server	\$2,333.20
10970	10970: Networking with Windows Server	\$2,333.20
10972	10972: Administering the Web Server (IIS) Role of Windows Server (R2 Update)	\$2,333.20

Course #	Course Name	GSA Price w/IFF
10977	10977: Updating Your SQL Server Skills to Microsoft SQL Server 2014	\$2,333.20
50126	Microsoft Office Word Level 1	\$234.26
50127	Microsoft Office Word Level 2	\$234.26
50128	Microsoft Office Word Level 3	\$234.26
50129	Microsoft Office PowerPoint Level 1	\$234.26
50130	Microsoft Office PowerPoint Level 2	\$234.26
50132	Microsoft Office Outlook Level 1	\$234.26
50133	Microsoft Office Outlook Level 2	\$234.26
50135	Microsoft Office Access Level 1	\$234.26
50136	Microsoft Office Access Level 2	\$234.26
50137	Microsoft Office Access Level 3	\$234.26
2019-1	AWS Solutions Architect -- Associate	\$2,108.31
2019-2	AWS Developer -- Associate	\$2,108.31
2019-3	AWS Certified SysOps Administrator - Associate	\$2,108.31
2019-4	AWS Solutions Architect -- Professional	\$2,295.72
2019-5	AWS DevOps Engineer -- Professional	\$2,295.72
2019-6	Network Security Monitoring with Security Onion	\$3,045.34
2019-7	ITIL Practitioner	\$2,056.78
2019-8	CompTIA CYSA+	\$2,244.18
2019-9	CompTIA PenTest+	\$2,244.18
2019-10	Microsoft Project Level 1	\$280.17
2019-11	Microsoft project Level 2	\$280.17
2019-12	Cyber Threats Detection and Mitigation	\$2,150.48
2019-13	Cybersecurity Foundations	\$1,864.69
2019-14	Defending the Critical Infrastructure from Cyber Attacks	\$2,056.78
2019-15	EC Council Certified Secure Programmers (ECSP)	\$2,431.59
2019-16	Certified Network Defender (CND)	\$2,431.59
2019-17	Certified Cloud Security Professional (CCSP)	\$2,056.78
2019-18	Certification - Certified Secure Software Lifecycle Professional (CSSLP)	\$2,337.88
2019-19	Systems Security Certified Practitioner (SSCP)	\$1,869.37
2019-20	eMASS Direct User	\$2,431.59
2019-21	eMASS Workshop	\$2,244.18
2019-22	eMASS Manager Overview	\$1,026.05
2019-23	My SQL Workbench	\$1,864.69
2019-24	Intro to C Programming	\$2,052.09
2019-25	Intermediate C Programming	\$2,052.09
2019-26	Basic Network Analysis 101	\$3,513.85
2019-27	Basic Network Analysis 102	\$3,513.85
2019-28	Fundamentals of Communications and Networking	\$1,677.28
2019-29	Endpoint Security and Network Access Control	\$1,864.69
2019-30	Elk Stack	\$1,864.69
2019-31	Introduction to IPv6	\$1,827.20
2019-32	MCSA: Windows 10 - 20698: Installing and Configuring Windows 10	\$2,618.99
2019-33	MCSE 10961: Automating Administration with Windows PowerShell	\$2,618.99
2019-34	20742: Identity with Windows Server 2016	\$2,618.99
2019-35	20740: Installation, Storage, and Computing with Windows Server 2016	\$2,618.99
2019-36	Wireless and Mobile Device Security	\$2,056.78
2019-37	C++ - Programming Language	\$2,056.78



Course #	Course Name	GSA Price w/IFF
2019-38	C# (C Sharp) – Programming Language	\$2,056.78
2019-39	Java - Programming Language	\$2,056.78
2019-40	Advanced JavaScript	\$1,864.69
2019-41	Perl –Programming Language	\$2,056.78
2019-42	Ruby – Programming Language	\$1,864.69
2019-43	Advanced Ruby – Programming Language	\$2,056.78
2019-44	Hadoop for Java Developers	\$1,864.69
2019-45	HTML5	\$1,869.37
2019-46	AngularJS – Framework	\$2,056.78
2019-47	Spring – Framework	\$2,056.78
2019-48	Django – Framework	\$2,056.78
2019-49	R Programming	\$2,056.78
2019-50	Endpoint Security & Network Access Control	\$1,864.69
2019-51	Hacker Techniques, Tools, and Incident Handling	\$1,864.69
2019-52	System Forensics, Investigation, and Response	\$1,864.69
2019-53	Splunk Essentials	\$1,864.69
2021-1	AI-900T00: Microsoft Azure AI Fundamentals	\$604.38
2021-2	Malicious Network Traffic Analysis	\$2,108.31
2021-3	Python Deep Learning	\$2,717.38
2021-4	Systems Operations on AWS	\$2,038.04
2021-5	AWS Certified Solutions Architect (Professional)	\$2,038.04
2021-6	Hacker Methodologies for Security Professionals	\$2,061.46
2021-7	Microsoft Certified: Azure Fundamentals	\$1,213.45
2021-8	AWS Certified Developer (Associate)	\$4,731.05
2021-9	Managing Risk in Information Systems	\$1,864.69
2021-10	DP-900T00: Microsoft Azure Data Fundamentals	\$698.09
2021-11	AI-100T01: Designing and Implementing an Azure AI Solution	\$1,822.52
2021-12	Security Engineering on AWS	\$2,038.04
2021-13	Burp Suite	\$2,342.57
2021-14	Architecting on AWS - Accelerator	\$3,181.21
2021-15	Microsoft Certified: Azure Database Administrator Associate	\$2,422.22
2021-16	IP6FD v3.0 - IPv6 Fundamentals, Design, and Deployment	\$3,181.21
2021-17	Access Control, Authentication, and Public Key Infrastructure	\$1,864.69
2021-18	AWS Certified Security (Specialty)	\$4,076.07
2021-19	DP-200T01: Implementing an Azure Data Solution	\$1,822.52
2021-20	Planning and Designing Databases on AWS	\$2,038.04
2021-21	DP-201T01: Designing an Azure Data Solution	\$1,213.45
2021-22	AWS Certified Machine Learning (Specialty)	\$4,116.36
2021-23	MCSA Windows Server 2016	\$6,179.70
2021-24	AZ-304T00: Microsoft Azure Architect Design	\$2,422.22
2021-25	Microsoft Certified: Azure Solutions Architect Expert	\$5,509.72
2021-26	Intro to Java Script	\$1,686.65
2021-27	MCSA Windows Server 2016	\$6,179.70
2021-28	Messaging Administrator Associate (Intermediate)	\$3,087.51
2021-29	Microsoft Certified: Azure Data Scientist Associate	\$1,822.52
2021-30	AWS Certified Data Analytics (Specialty)	\$2,038.04
2021-31	Root Cause Analysis	\$1,029.79
2021-32	MS-900: Microsoft 365 Fundamentals	\$604.38





Course #	Course Name	GSA Price w/IFF
2021-33	Microsoft Certified: DevOps Engineer Expert	\$3,087.51
2021-34	20463: Implementing a Data Warehouse with Microsoft SQL Server 2014	\$3,087.51
2021-35	Unit Testing with Visual Studio 2017	\$2,061.46
2021-36	Practical Data Science with Amazon SageMaker	\$654.98
2021-37	Microsoft 365 Certified: Enterprise Administrator Expert	\$6,175.01
2021-38	Cyber Threats Detection and Mitigation	\$2,342.57
2021-39	Jira Fundamentals	\$1,030.73
2021-40	Unit Testing with Android Studio	\$2,150.48
2021-41	Microsoft Certified: Azure Data Fundamentals	\$698.09
2021-42	Deep Learning on AWS	\$654.98
2021-43	DP-100T01: Designing and Implementing a Data Science Solution on Azure	\$1,822.52
2021-44	Microsoft Certified: Azure Administrator Associate	\$2,422.22
2021-45	20461: Querying Microsoft SQL Server 2014	\$3,087.51
2021-46	Windows System Analysis	\$2,295.72
2021-47	AWS Certified DevOps Engineer (Professional)	\$4,076.07
2021-48	MS-203T00: Microsoft 365 Messaging	\$3,087.51
2021-49	AWS Technical Essentials	\$654.98
2021-50	DevOps Engineering on AWS Training	\$2,038.04
2021-51	ISSAP	\$2,389.42
2021-52	ISSEP	\$2,389.42
2021-53	AZ-500T00: Microsoft Azure Security Technologies	\$2,422.22
2021-54	Securing the Virtual Environment	\$1,770.98
2021-55	The Machine Learning Pipeline on AWS	\$2,806.40
2021-56	AZ-104T00: Microsoft Azure Administrator	\$2,422.22
2021-57	IDA Pro	\$2,342.57
2021-58	AWS Certified SysOps Administrator (Associate)	\$2,693.02
2021-59	Network Security Firewalls (Guide to Firewalls and VPNs)	\$1,864.69
2021-60	20462: Administering Microsoft SQL Server 2014 Databases	\$3,087.51
2021-61	AZ-220T00: Microsoft Azure IoT Developer	\$2,422.22
2021-62	Architecting on AWS Training	\$2,038.04
2021-63	Cyber Safety	\$1,489.87
2021-64	Advanced Architecting on AWS Training	\$2,038.04
2021-65	Jira and Confluence	\$2,056.78
2021-66	AZ-900T00: Microsoft Azure Fundamentals	\$1,213.45
2021-67	Microsoft Certified: Azure AI Engineer Associate	\$1,822.52
2021-68	Microsoft Certified: Azure Data Engineer Associate	\$3,035.97
2021-69	AZ-303T00: Microsoft Azure Architect Technologies	\$3,087.51
2021-70	Developing on AWS	\$2,038.04
2021-71	Network Defense Range	\$2,431.59
2021-72	AZ-204T00: Developing solutions for Microsoft Azure	\$3,087.51
2021-73	Microsoft Certified: Azure Developer Associate	\$3,087.51
2021-74	ISSMP	\$2,389.42
2021-75	MS-500T00: Microsoft 365 Security Administration	\$2,422.22
2021-76	Network Traffic Analysis	\$2,431.59
2021-77	Cloud Practitioner Essentials	\$654.98
2021-78	Managing Risk in Information Systems	\$1,864.69
2021-79	Microsoft Certified: Azure Security Engineer Associate	\$2,422.22
2021-80	Microsoft 365 Certified: Teams Administrator Associate	\$2,422.22



Course #	Course Name	GSA Price w/IFF
2021-81	Big Data on AWS Training	\$2,038.04
2021-82	MS-700T00: Managing Microsoft Teams	\$2,422.22
2021-83	AWS Certified Cloud Practitioner	\$654.98
2021-84	Microsoft 365 Certified: Fundamentals	\$604.38
2021-85	AWS Certified Solutions Architect (Associate)	\$5,874.23
2021-86	DP-300T00: Administering Relational Databases on Microsoft Azure	\$2,422.22
2021-87	Access Control, Authentication, and Public Key Infrastructure	\$1,864.69
2021-88	Microsoft Certified: Azure AI Fundamentals	\$604.38
2021-89	Assembly Language Programming	\$2,811.08
2021-90	Risk Management Framework for DoD Security Control Assessors	\$1,864.69
2021-91	AWS Certified Database (Specialty)	\$2,038.04
2021-92	Advanced Developing on AWS	\$2,038.04
2021-93	MS-100T00: Microsoft 365 Identity and Services	\$3,087.51
2021-94	MS-101T00: Microsoft 365 Mobility and Security	\$3,087.51
2021-95	AZ-400T00: Designing and Implementing Microsoft DevOps solutions	\$3,087.51
2021-96	Network Security Monitoring with Security Onion	\$3,045.34
2021-97	Linux for Developers	\$2,150.48
2021-98	Docker	\$2,178.59
2021-99	Information Security Risk Assessment through Data Collection and Analysis	\$1,864.69
2021-100	Microsoft Certified: Azure IoT Developer Specialty	\$2,422.22
2021-101	Microsoft 365 Certified: Security Administrator Associate	\$2,422.22
2021-102	Advanced Jira	\$1,405.54
2022-1	Certified Chief Information Security Officer (CCISO)	\$4,446.20
2022-2	Cisco Certified Network Associate-Security (CCNA-Security)	\$4,024.53
2022-3	Cisco Certified Network Professional-Security (CCNP-Security)	\$8,611.28
2022-4	SCOR - Implementing and Operating Cisco Security Core Technologies	\$4,586.75
2022-5	SVPN - Implementing Secure Solutions with Virtual Private Networks	\$4,305.64
2022-6	CyberSec First Responder (CFR)	\$2,244.18
2022-7	GIAC Certified Enterprise Defender (GCED)	\$7,954.43
2022-8	GIAC Certified Forensic Analyst (GCFA)	\$7,954.43
2022-9	GIAC Certified Incident Handler (GCIH)	\$7,954.43
2022-10	GIAC Certified Intrusion Analyst (GCIA)	\$7,954.43
2022-11	GIAC Global Industrial Cyber Security Professional (GICSP)	\$8,329.24
2022-12	GIAC Security Essentials Certification (GSEC)	\$7,954.43
2022-13	GIAC Security Leadership Certificate (GSLC)	\$7,532.77
2022-14	GIAC Systems and Network Auditor (GSNA)	\$7,954.43
2022-15	AWS Certified Advanced Networking (Specialty)	\$646.55
2022-16	Microsoft Office SharePoint Level 1	\$280.17
2022-17	Microsoft Office SharePoint Level 2	\$280.17
2022-18	Microsoft Office SharePoint Level 3	\$280.17
2022-19	Microsoft Office Excel Level 1	\$280.17
2022-20	Microsoft Office Excel Level 2	\$280.17
2022-21	Microsoft Office Excel Level 3	\$280.17
2022-22	Microsoft Office Project Level 3	\$280.17
2022-23	Microsoft Office Power Point Level 3	\$280.17
2022-24	Microsoft 365 Certified: Developer Associate	\$2,806.40
2022-25	Microsoft 365 Certified: Modern Desktop Administrator Associate	\$2,806.40
2022-26	Microsoft Certified: Windows Virtual Desktop Specialty	\$2,618.99



Course #	Course Name	GSA Price w/IFF
2022-27	Microsoft Certified: Azure Stack Hub Operator Associate	\$2,618.99
2022-28	Microsoft Certified: Azure for SAP Workloads Specialty	\$2,618.99

## Phoenix TS SIN 54151S Labor Categories

### Project Manager

**Functional Responsibilities:** Responsible for leading small or medium sized IT related projects including project planning and control, task scheduling and management, oversight of deliverable production, and project quality review. Oversees administrative functions including adherence to contract terms and conditions and project financial management.

Serves as the designated liaison and reports on progress regularly.

**Minimum General Experience:** At least seven (7) years of work experience in managing IT projects from inception to completion. Must possess extensive knowledge related to life cycle and project management methodologies as well as a management level knowledge of IT related technologies such as software development, cyber security, networking, protocols, and other pertinent subject matter relevant to the client's requirement.

**Minimum Education:** Bachelor's Degree in business administration, public administration, management, engineering or relevant technical discipline.

**Applicable training or certification requirements:** PMP

### Senior Subject Matter Expert

**Functional Responsibilities:** Provides the highest level of technical subject matter expertise when consulting with client executives, management and technical staff on the most critical substantive components of projects in technical areas relevant to client needs. Uses technical expertise in project specific areas to engage clients, understand needs and ensure successful implementations.

Possesses expertise in one or several areas including but not limited to software development, cyber security, networking, protocols, information systems architecture, database management and implementation, life-cycle management and risk management.

**Minimum General Experience:** At least ten (10) years of work experience in the IT field specific to the course being developed, such as software development, cyber security, networking, protocols, and other pertinent subject matter relevant to the client's requirement. **Minimum Education:** Advanced degree in relevant technical discipline or equivalent work experience.

**Applicable training or certification requirements:** Technical certification requirement depends on the course and technical subject matter to be developed.



### **Subject Matter Expert**

**Functional Responsibilities:** Consults with client executives, management and technical staff on substantive components of projects in technical areas relevant to client needs. Uses technical expertise in project specific areas to engage clients, understand needs and ensure successful implementations. Assists Senior Subject Matter Expert throughout the Information Technology courseware development project. Possesses expertise in one or several areas including but not limited to software development, cyber security, networking, protocols,

information systems architecture, database management and implementation, life-cycle management and risk management.

**Minimum General Experience:** At least five (5) years of work experience in the IT field specific to the course being developed, such as software development, cyber security, networking, protocols, and other pertinent subject matter relevant to the client's requirement

**Minimum Education:** Bachelor's Degree in relevant technical discipline or equivalent work experience.

**Applicable training or certification requirements:** Technical certification requirement depends on the course and technical subject matter to be developed.

### **Senior Instructional Designer**

**Functional Responsibilities:** Provides instructional design and development services for IT training courseware projects using the latest tools and techniques. Designs, develops, and evaluates pilot IT training programs. Expertise and experience in developing technology mediated instruction. Reviews and recommends technical training materials to clients.

Observes delivery of technical training courses to ensure course objectives are met.

**Minimum General Experience:** 10 or more years of experience in instructional design for IT based training courses. Expertise in adult learning methodologies as they relate to the instruction of technology related material such as software development, cyber security, networking, protocols, and other pertinent subject matter relevant to the client's requirement.

**Minimum Education:** Master's Degree in relevant technical discipline or equivalent work experience.

**Applicable training or certification requirements:** None

### **Instructional Designer**

**Functional Responsibilities:** Provides instructional design and development services for IT training courseware projects using the latest tools and techniques. Designs, develops, and evaluates pilot IT training programs in areas as such as software development, cyber security, networking, protocols, and other pertinent subject matter relevant to the client's requirement. Expertise and experience in developing technology mediated instruction.



Reviews and recommends technical training materials to clients. Observes delivery of technical training courses to ensure course objectives are met. Assists Senior Instructional Designer throughout the courseware development project.

Minimum General Experience: Five (5) or more years of experience in instructional design for IT based training courses. Expertise in adult learning methodologies as they relate to the instruction of the IT technology related material.

Minimum Education: Bachelor's Degree in relevant technical discipline or equivalent work experience.

Applicable training or certification requirements: None

### **Graphic Designer**

Functional Responsibilities: Develops presentation standards and manages the production of specialized work products for technical training courses including workbooks, training manuals and automated presentation media material in areas as software development, cyber security, networking, protocols, and other pertinent subject matter relevant to the client's requirement. Provides technical knowledge and expertise on digital photography, computer graphics, videography, Flash animations, etc. Designs effective user interface and navigation elements in software products as well as IT related technical courseware.

Minimum General Experience: At least three (3) years of work experience in graphics design, desktop publishing, and administrative software applications and the development of effective user experiences and navigation with software as well as IT courseware. Extensive experience with Adobe Photoshop. Must be well versed in desktop publishing and web authoring tools.

Minimum Education: Associates Degree or equivalent professional experience.

### **Graphic Artist**

Functional Responsibilities: Develops presentation standards and manages the production of specialized work products for technical training courses including workbooks, training manuals and automated presentation media in areas as software development, cyber security, networking, protocols, and other pertinent subject matter relevant to the client's requirement. Provides technical knowledge and expertise on digital photography, computer graphics, videography, Flash animations, etc.

Minimum General Experience: At least three (3) years of work experience in graphics design, desktop publishing, and the development of effective user experiences and navigation with software as well as IT courseware. Extensive experience with Adobe Photoshop. Must be well versed in desktop publishing and web authoring tools.

Minimum Education: Associates Degree or equivalent professional experience.

**Technical Editor**

Functional Responsibilities: Edits, organizes, corrects and finalizes material for IT technical courses in areas as software development, cyber security, networking, protocols, and other pertinent subject matter relevant to the client's requirement. Checks material for technical accuracy, educational value, comprehension and overall quality.

Minimum General Experience: At least six (6) years of experience in the field of IT related technical editing which may include user manuals, training materials, installation guides,

technical documentation, proposals and reports. Advanced Microsoft Office skills as well as basic knowledge of course specific IT related content.

Minimum Education: Bachelor's Degree in English, journalism, communications or related technical discipline.

**Technical Writer**

Functional Responsibilities: Develops IT related courseware content based on the expertise of subject matter experts and the specifications of instructional designers in areas as software development, cyber security, networking, protocols, and other pertinent subject matter relevant to the client's requirement. Consolidates and formats any documentation that may be provided by technical personnel into language that is easily understandable. To do so, the Technical Writer must be familiar with the concepts and techniques used by engineers, analysts, programmers and other technical disciplines.

Minimum General Experience: At least three years of experience in developing IT technical course content, web copy, user manuals, training materials, installation guides, technical documentation, proposals, reports or similar technical writing experience. Advanced Microsoft Office skills as well as basic knowledge of course specific IT related content.

Minimum Education: Associate's Degree in English, journalism, communications or related technical discipline.

**IT Program Manager**

Functional Responsibility: Maintains information technology strategies by managing staff; researching and implementing technological strategic solutions. Performs day-to-day management several projects, teams and locations. Organize, direct, and coordinate the planning and production of supporting activities. Demonstrate written and oral communication skills. Establish and alter management structure to direct effective contract support activities efficiently.

Education: Bachelors of Arts or Bachelors of Science, advanced degree preferred.

General Experience: Must have 12 years of IT experience, including at least 8 years of IT management experience.

**Cyber Security Expert I**

Functional Responsibility: Supporting the implementation of Cyber Security projects by assisting with the adherence of devices; evaluating vendor solutions; assisting with coordination of vulnerability testing; assisting with review of programs, policies, procedures and standards surrounding cyber security best practices.

Education: BS or BA degree in computer information systems, computer science or a related discipline. CISSP or GCIH a plus.

General Experience: 2+ years professional work experience in Cyber Security Preferred. Strong analytical and problem solving skills. Experience with System and Network Administration (Windows, Linux, AIX, Cisco, Juniper, etc.)

**Cyber Security Expert II**

Functional Responsibility: Work with a team to solve complex problems, information assurance, and weaknesses. Prevention of cyber security incidents via threat analysis, patch and vulnerability management, countermeasure deployment, and security related application administration. The ability to detect and prevent potential intrusions in real time.

Education: BS or BA degree in computer information systems, computer science or a related discipline. CISSP or GCIH a plus.

General Experience: 3-5 years of progressive experience in Information Security. 5-7 years professional work experience in Cyber Security Preferred. In-depth experience reviewing raw log files, and performing data correlation, and analysis (i.e. firewall, network flow, IDS, system logs).

**Cyber Security Expert III**

Functional Responsibility: Responsible for determining security standards. Develop and implement information security standards and procedure. Provide tactical security advice and examine the ramifications of new technologies. Ensure that all information is functional and secure. Provide leadership in refining and growing the relevant portions of security policies and architectures.

Education: BS or BA degree in computer information systems, computer science or a related discipline. CISSP or GCIH

General Experience: 8-10 years of experience in information security. Minimum 5 years of cyber security and vulnerability management or penetration testing experience. Experience in deploying and operating vulnerability scanning infrastructure and service.

**IT Technical Staff I**

Functional Responsibility: Responsible for software and system design, integration, installation and administration. Ensure that all software programs and systems meet functional/operational specifications. Provide functional direction and oversight of quality assurance; technical correctness and progress reports.

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Education: BS or BA degree in Computer Science or significant experience may be substituted for degree requirements preferred.

General Experience: 0 to 2 years of experience in Software development; system design and integration; system development and database design/development.

### **IT Technical Staff II**

Functional Responsibility: Responsible for software/system design, integration, installation and administration. Ensure that all software/system programs meet functional/operational specifications. Provide functional direction and oversight to lower level personnel who are assigned to the task order; quality assurance; technical correctness, timeliness, and quality of deliverables; and prepares progress reports.

Education: BS or BA degree in Computer Science or significant experience may be substituted for degree requirements preferred.

General Experience: 2 to 4 years of experience in Software development; system design and integration; development and database design/development.

### **IT Technical Staff III**

Functional Responsibility: Responsible for software/system design, integration, installation and administration. Ensure that all software/system programs meet functional/operational specifications. Provide functional direction and oversight to lower level personnel who are assigned to the task order; quality assurance; technical correctness, timeliness, and quality of deliverables; and prepares progress reports.

Education: BS or BA degree in Computer Science or significant experience may be substituted for degree requirements preferred.

General Experience: Minimum of five years of experience in software development; system design and integration; imaging system development and database design/development in support of document management.

### **System Administrator I**

Functional Responsibility: Under the direction and supervision of senior systems administrator, you will provide the following; system backup/recovery, basic software management, security management, and library management. Must be able to operate computer systems in different operating environments. Knowledge of hardware/software trouble shooting and resource allocation. Education: BS or BA degree in Computer Science is preferred.

General Experience: Entry-level position with knowledge of computer systems and data communications.

**Systems Administrator II**

Functional Responsibility: System backup/recovery, basic software management, security management, library management, operating computer systems, sizing, performance, tuning, hardware/software troubleshooting, and resource allocation. Individual shall have a thorough knowledge of applicable hardware/software capabilities and configurations.

Education: BA or BS in Computer Science, Engineering or other business related is preferred. General Experience: 2 to 5 years in system administration, one year of which is on the particular system identified in the task order.

**Systems Administrator III**

Functional Responsibility: Provide work direction to lower-level staff. Should have a thorough understanding of the client's applicable hardware/software capabilities and configurations. This includes system backup/recovery, basic software management, security management, and library management, operating computer systems in different operating environments, sizing, performance, tuning, hardware/software trouble shooting and resource allocation.

Education: BA or BS in Computer Science, Engineering or other business related is preferred. General Experience: Five to ten years hands-on technical experience with computer systems and data communications.

**Software Engineer I**

Functional Responsibility: Investigate, interpret, and evaluate system software requirements. Analyze existing software systems and subsystems and increase their scope and performance. Develop software algorithms, designs, codes, and documents to ensure compliance with software engineering standards. May provide technical direction and guidance for software developers and engineers involved in modifications or development of software systems.

Education: Bachelor 's degree in Computer Science or related discipline is preferred. General Experience: One to three years of related experience or equivalent combination of experience and training in software engineering.

**Software Engineer II**

Functional Responsibility: Investigate, interpret, and evaluate system software requirements. Analyze existing software systems and subsystems and increase their scope and performance. Develop software algorithms, designs, codes, and documents to ensure compliance with software engineering standards. May provide technical direction and guidance for software developers and engineers involved in modifications or development of software systems.

Education: Bachelor 's degree in Computer Science or related discipline is preferred. General Experience: Four to seven years of related experience or equivalent combination of experience and training in complex software engineering.



**Software Engineer III**

Functional Responsibility: Investigate, interpret, and evaluate system software requirements. Analyze existing software systems and subsystems, and increase their scope and performance. Develop software algorithms, designs, codes, and documents to ensure compliance with software engineering standards. May provide technical direction and guidance for software developers and engineers involved in modifications or development of software systems. Education: Bachelor's degree in Computer Science or related discipline is preferred. General Experience: Eight to twelve years of related experience or equivalent combination of experience and training in highly complex software engineering.

**Systems Analyst I**

Functional Responsibility: Showcases ability to design, development and support computer systems. Plan and develop new computer systems or devise ways to apply existing systems' resources to additional operations.

Education: Associate degree.

General Experience: 1-3 years of general experience in systems analysis or programming is preferred.

**Systems Analyst II**

Functional Responsibility: Provides highly technical expertise in design, development and support of computer systems. Plan and develop new computer systems or devise ways to apply existing systems' resources to additional operations.

Education: BS or BA degree in Computer Science is preferred.

General Experience: 3-5 years of general experience in systems analysis or programming is preferred.

**Systems Analyst III**

Functional Responsibility: Expert ability to design, develop and support computer systems. Plan and develop new computer systems or devise ways to apply existing systems' resources to additional operations. The ability to implement, modify and analyze new systems and measure their effectiveness while meeting company standards and policy.

Education: BS or BA degree in Computer Science preferred.

General Experience: 5-8 years of general experience in systems analysis or programming is preferred.

**Computer Programmer**

Functional Responsibility: Analyzes all system specifications and designs, while developing, modifying, and installing complex and customized software. Conduct detailed analyses of defined system specifications, and prepares associated documentation. Take system design specifications and customize software to meet application requirements. Enhances software to reduce operating



time or improve efficiency. May include programming experience with various programming languages and database systems.

Education: BS or BA degree in Computer Science is preferred.

General Experience: 3-5 years of general experience in information technology or programming is preferred.

### **Database Administrator**

Functional Responsibility: General scripting knowledge for exporting and importing data. Communicate and work together with application developers and architects to design data structures that support application requirements. Provide day-to-day development, administration and technical expertise for the deployment, integration and management of various databases. Support logical and physical data modeling and design by ensuring that database definitions conform to naming standards. Communicate urgent issues with management and non-database personnel.

Minimum Education: A Bachelor's Degree in Computer Science or Engineering preferred. General Experience: 2-4 years of experience in Database Management System (DBMS) design and systems analysis, operating systems software internal architecture, high level and data manipulation languages.

### **Senior Database Administrator**

Functional Responsibility: Duties include but are not limited to providing highly technical expertise and guidance in the definition, control integrity, and uniformity of DBMS. Responsible for designing, developing, modifying, and evaluating programs for internal functional areas. Responsible for planning, coordinating, and administration of DBMS, including base definition, structures, documentation, upgrades, long-range requirements, operational guidelines, and protection. Formulate and monitor policies, procedures, and standards relating to database management. Works on problems of diverse scope where analysis of data requires evaluation of identifiable factors. Exercises judgment within generally defined practices and policies in selecting methods and techniques for obtaining solutions.

Minimum Education: MS in Computer Science or Engineering preferred.

General Experience: 4-8 years of progressively more difficult experience in Database Management System (DBMS) design and systems analysis, operating systems software internal architecture, high level and data manipulation languages. Experience may also be in DBMS analysis on significant projects, including experience in designing and building databases.

### **Security Analyst I**

Functional Responsibility: A Security Analyst I (SAI) shall be able to perform the following tasks: developing and preparing technical documents; writing technical papers, interaction with customers to gather design and development inter-networking concepts, theories, and information including

the installation of inter-networking equipment, setup test equipment and document test results in a meaningful format for future integration into test result reports. A SAI shall be required to initiate tasks, and complete them under the direction of a Program Manager. Performs certification for C&A processes for the accreditations of systems. The SAI performs vulnerability analysis and assessment using either government or commercial off the shelf technologies. Education: BS or BA degree in Computer Science is preferred.

General Experience: 0-2 years of experience in information security is preferred

### **Security Analyst II**

Functional Responsibility: A Security Analyst II (SAII) shall be able to perform the following tasks, with minimal direction: developing and preparing technical documents; writing technical papers, interaction with customers to gather design and development inter- networking concepts, theories, and information; perform technical engineer duties to include but not be limited to installation of inter-networking equipment, setup test equipment, execute tests according to written procedures, and document test results in a meaningful format for future integration into test result reports. The SAII shall understand inter- networking, networks, and computer concepts, and have technical expertise in engineering secure network. The SAII shall possess personnel computer skills at a level where they can capture preliminary and detailed information to complete follow-on tasks. Performs certification for C&A processes for the accreditations of systems. The SAI performs vulnerability analysis and assessment using either government or commercial off the shelf technologies.

Education: BS or BA degree in Computer Science is preferred.

General Experience: 2-5 years of experience in information security is preferred

### **Security Analyst III**

Functional Responsibility: Conduct Information System audits, adhere to standards and use common procedures/techniques in the performance of an audit. Analyze and evaluate the policies, access controls, management and organizational structures, operating procedures, and control environment of departments processing information. Identify and evaluate user requirements, risks, exposures and controls in specific applications during the development or acquisition phase. Formulate, review, and revise procedures necessary to implement system security in accordance with higher level regulatory requirements. Reviews all safeguard procedures to measure the effectiveness of the total system security.

Education: BS or BA degree in Computer Science is preferred.

General Experience: 4-7 years' experience in information security is preferred

### **IT Consultant**

Functional Responsibility: Provide the analysis and engineering of information systems, defining requirements and limitations, system testing, and developing engineering plans/schedules.

Minimum Education: A Bachelors Degree in Computer Science, Computer Engineering or related field.

General Experience: 2 – 5 years of experience in information systems. Knowledge of current developments in such areas as information systems hardware, software, databases, communication protocols, and networking.

### **IT Senior Consultant**

Functional Responsibility: Duties include but are not limited to providing technical direction, analysis and engineering of information systems, defining requirements and limitations, technical guidance and direction, system testing, and developing engineering plans/schedules. Defines group direction from loosely given guidance, interfacing with the customer and Subject Matter Experts to extract program information and provide future network development guidance to the engineering staff. A demonstrated ability to work independently without significant oversight and will be empowered to make decisions.

Possess strong communication, and team work skills.

Minimum Education: A Master's Degree in Computer Science or Computer Engineering or related field.

General Experience: 4 - 8 years specialized experience in engineering information systems. Working knowledge of current and anticipated developments in such areas as information systems hardware, software, databases, communication protocols, and networking.

Supervisory experience as a Team Leader.

### **IT Principal Consultant**

Functional Responsibility: Duties include but are not limited to providing technical supervision, analysis and engineering of information systems, defining requirements and limitations, technical guidance and direction, system testing, and developing engineering plans/schedules. Defines group direction from loosely given guidance, interfacing with the customer and Subject Matter Experts to extract program information, mentoring less experience team members, assisting in the determination of overall results analysis approach, and provides future network development guidance to the engineering staff. Works independently without significant oversight and will be empowered to make decisions.

Principal Consultant can perform the physical, functional, system, data, and component analysis and architecture comprehension. Has demonstrated and tested leadership, communication, and team work skills. Regularly presents findings to groups of varying sizes. Leads a team of varying engineering experience and managing overall activities to a defined schedule.

Minimum Education: A Master's Degree in Computer Science or Engineering.

General Experience: 7 - 12 years specialized experience in engineering large information systems and general experience in a related field. Working knowledge of current and anticipated developments in such areas as information systems hardware, software, databases, communication protocols, and networking. Demonstrated supervisory experience as a Team Leader or Department Director.

### **Network Engineer I**

Functional Responsibility: Give support to other network support staff. Perform day-to-day network operations duties and provide customer support.

Minimum Education: BS or BA degree in Computer Science or a related discipline is preferred.

General Experience: 0 to 2 years experience in electronics, data communications or telecommunications positions is preferred with progressive experience with in a networking environment.

### **Network Engineer II**

Functional Responsibility: Give support to other network support staff. Perform day to day network operations duties and provide customer support. Can perform the following tasks with little oversight; network design, engineer and plan overall site activities, including inside and outside plant specifications, equipment room layouts, and hardware configuration.

Minimum Education: BS or BA degree in Computer Science or a related discipline is preferred.

General Experience: 2 – 5 years experience in electronics, data communications or telecommunications positions is preferred with progressive experience with in a networking environment.

### **Network Engineer III**

Functional Responsibility: Design, engineer and plan overall site activities, including inside and outside plant specifications, equipment room layouts, and hardware configuration.

Formulate logical designs of system problems and devise procedures for solutions to the problems. Give support to other network support staff. Assist the Project Manager in the determination of labor hours and categories needed to perform site surveys resulting from a network design Task Order. Oversee all technical documentation activities and determine documentation specification methods and technical support manuals.

Education: BS or BA degree in Computer Science or a related discipline is preferred. General Experience: 4-7 years experience in electronics, data communications or telecommunications positions is preferred with progressive experience designing and/or installing LANs.

### **Network Administrator I**

Functional Responsibility: Give support to other network support staff. Perform day-to-day network operations duties and provide customer support.



Education: BS or BA degree in Computer Science or a related discipline is preferred. General Experience: 0 to 2 years experience in electronics, data communications or telecommunications positions is preferred with progressive experience with in a networking environment.

### **Network Administrator II**

Functional Responsibility: Can perform the installation and configuration of network hardware/software to meet and follow an established network policy. Establish detailed fault management, configuration control, and performance monitoring. The ability to execute the activation, back-up, deactivation, and restart of network resources/services. Advice on operational impacts of network expansions, additions, upgrades, and reconfiguration in hardware/software suites.

Education: BS or BA degree in Computer Science or a related discipline is preferred. General Experience: 2-5 years of experience with design, installation, operation, maintenance and detailed knowledge of network administration.

### **Network Administrator III**

Functional Responsibility: Carries out the installation and configuration of network hardware/software to meet and follow an established network policy. Establish detailed fault management, configuration control, and performance monitoring. Proficient in the activation, back-up, deactivation, and restart of network resources/services. Problem isolation and correction; performance monitoring; and configuration control. Certification/recertification actions. Ability to give professional advice on operational impacts of network expansions, additions, upgrades, and reconfiguration in hardware/software suites.

Education: BS or BA degree in Computer Science or a related discipline is preferred. General Experience: 4 - 8 years of experience with design, installation, operation, maintenance and detailed knowledge of network administration.

### **Subject Matter Expert II**

Functional Responsibility: Serves as source of broad general knowledge of systems engineering, systems analysis and design, software integration, and software development with an in-depth expertise in at least one of these areas. Primary function is to perform complex technical efforts in specialty area by serving either as senior technical staff member on a large project or as a leader of a small, specialized project. Requires knowledge of a specific professional technical field to define and solve new information processing system problems, develop engineering designs, and conduct analyses and experiments in the area of discipline. Knowledge in this discipline should be comparable to that which could be acquired through completion of a Graduate level curriculum leading to a Master's Degree in the specific field.

Education: BA or BS in business or related field required. Advance Degree desired. General Experience: 6-9 years of broad professional level experience, including three years of management

experience with demonstrated proficiency in systems engineering, analysis and programming with wide exposure to interrelated activities. Requisite Certifications desired.

### **Subject Matter Expert III**

Functional Responsibility: Serves as source of broad general knowledge of systems engineering, systems analysis and design, software integration, and software development with an in-depth expertise in at least one of these areas. Primary function is to perform complex technical efforts in specialty area by serving either as senior technical staff member

on a large project or as a leader of a small, specialized project. Other functions are to provide, within the specialty area, quick response problem resolution, internal and external training, and marketing support to translate advanced technology theory into specific, practical applications of use for the corporation. Requires knowledge in a specific professional technical field to define and solve new information processing system problems, develop engineering designs, and conduct analyses and experiments in the area of discipline.

Knowledge in this discipline should be comparable to that which could be acquired through completion of a Graduate level curriculum. Requires thorough knowledge of the principles and concepts of management and applicable knowledge of business practices, business organization, and cost accounting practices.

Education: BA or BS in Business or related field required. Advance Degree desired.

General Experience: 8-12 years of broad professional level experience, including three years of management experience with demonstrated proficiency in systems engineering, analysis and programming with wide exposure to interrelated activities. Requisite Certifications desired.

### **Configuration Manager II**

Functional Responsibility: Analyze proposed product design changes to determine the effect on the overall system. Ensure configuration identification by reviewing design release documents for completeness. Prepare waivers for government approval when specifications cannot be met. Draft configuration analysis plans to encompass contractual requirements. Education: Bachelor's Degree in Computer Science or an associated discipline is preferred. General Experience: 3 to 6 years of overall industry experience, along with 2 to 4 years of related experience or an equivalent combination of education and training that provides the required knowledge, skills, and abilities.

### **Configuration Manager III**

Functional Responsibility: Analyze proposed product design changes to determine the effect on the overall system. Ensure configuration identification by reviewing design release documents for completeness and authorizations. Prepare deviations and waivers for government approval when specifications cannot be met. Compile audit information. May audit subcontractor's inspection or technical document preparation procedures to verify compliance with contract requirements. Prepare manual or automated records of parts design change documents. Reviews contracts and

determines configuration requirements. Assists in the development and maintenance of database.  
 Education: Bachelor's Degree in Computer Science or an associated discipline is preferred. General  
 Experience: 5 to 10 years of overall industry experience, along with 4 to 6 years of related experience  
 or an equivalent combination of education and training that provides the required knowledge, skills,  
 and abilities.

### **Help Desk Technician I**

Functional Responsibility: Provide technical support, guidance, problem resolution, and installation  
 of hardware and software systems.

Education: High school diploma.

General Experience: One (1) year of relevant work experience/education.

### **Help Desk Technician II**

Functional Responsibility: Provide technical support and guidance, problem resolution, and  
 installation of hardware and software systems. Perform maintenance and configuration support for  
 computer and networked equipment. Troubleshoot applications, email and operating system  
 problems.

Minimum Education: High school diploma.

General Experience: Three (3) years of relevant work experience/education.

### **Help Desk Technician III**

Functional Responsibility: Provide technical support and guidance, problem resolution, and  
 installation of hardware and software systems. Perform maintenance and configuration support for  
 computer and networked equipment. Troubleshoot applications, email and operating system  
 problems. Assist with high level enterprise wide architecture problems, network problems and  
 associated help desk documentation and systems support.

Minimum Education: High school diploma and A+ certification.

General Experience: Five (5) years of relevant work experience/education.

### **Quality Assurance I**

Functional Responsibility: Provide technical and administrative direction for personnel performing  
 software tasks, including the review of work products for adherence to the design concept and user  
 standards, the review of program documentation to assure government standards are adhered to,  
 and for progress in accordance with schedules. Coordinate with the Project Manager and/or Quality  
 Assurance Manager to ensure that user problems are solved. Make recommendations, if needed, for  
 approval of major systems installations. Prepare milestone status reports and presentations on  
 system concepts to colleagues, subordinates, and end user representatives.

Education: Bachelors of Arts or Bachelors of Science.



General Experience: 3-5 years of relevant work experience/education or an Advanced Degree.

### **Quality Assurance II**

Functional Responsibility: Develop and implement quality control methodologies to ensure quality assurance standards, guidelines, and procedures are met in a large computer-based organization. Develop and define major and minor characteristics of quality including quality metrics and scoring parameters for an actual task order. Establish and maintain a process for evaluating hardware, software, and associated documentation and/or assist in the evaluation.

Conduct and participate in the formal and informal reviews at pre-determined points throughout the development life cycle.

Education: Bachelors of Arts or Bachelors of Science.

General Experience: 7+ years of relevant work experience or 3+ years of relevant work experience and an Advanced Degree.

### **Technical Administrative**

Functional Responsibility: Provide administrative support to IT departments. Perform a wide range of clerical and administrative duties including the typing, filing and tracking of time records, word processing, dictation, and composition of correspondence. Plan and produce correspondence, proposals, memos, and other documentation. The ability to operate Excel. Proofread completed documents. Provide copying and production support as needed.

Commensurate experience and education. Education: Associate Degree.

General Experience: 2+ years of relevant work experience or a BS/BA in a related field.

### **Information Assurance Security Specialist I**

Functional Responsibility: Analyze and define security requirements for Multilevel Security (MLS) issues. Gather and organize technical information about an organization's mission goals and needs, existing security products, and ongoing programs in the MLS arena. Perform risk analyses, which also includes risk assessment.

Education: Bachelors of Arts or Bachelors of Science.

General Experience: 1-5 years of relevant work experience or an Advanced Degree.

### **Information Assurance Security Specialist II**

Functional Responsibility: Analyze and define security requirements for MLS issues. Design, develop, engineer, and implement solutions to MLS requirements. Guide effort to gather and organize technical information about an organization's mission goals and needs, existing security products, and ongoing programs in the MLS arena. Perform risk analyses which also includes risk assessment. Develop security standards.





Education: Bachelors of Arts or Bachelors of Science.

General Experience: 10+ years of relevant work experience or 5 years of relevant work experience and an Advanced Degree.

### **Technical Instructor I**

Functional Responsibility: Educate end users on various software applications via hands-on classroom training as well as a one-on-one session for end users who require individual attention. This process focuses on the specific functionality of each application yet goes on to include the synergies between the applications. The trainer also identifies any changes to the

system that have come to fruition from end user recommendations during the training. Education: Bachelor's Degree in/or related field is preferred, but not required if equivalent experience and education is held (i.e. A+ certification plus Associate's Degree). Holding MCT, CTT+ or other industry recognized trainer certifications.

General Experience: 0-4 years' experience in adult education, or a Bachelor's degree in a related field.

### **Technical Instructor II**

Functional Responsibility: Must be flexible, personable, reliable and professional. The main job of an Instructor II is to provide students with the technical support, guidance, problem resolution, and installation of hardware and software systems they need. Perform maintenance and configuration support for computer and networked equipment. Education: Bachelor's Degree in/or related field is preferred, but not required if equivalent experience and education is held (i.e. A+ certification plus Associate's Degree). Holding MCT, CTT+ or other industry recognized trainer certifications.

General Experience: 5+ years experience in adult education through creating documentation, designing training sessions and conducting training for users.

### **Technical Instructor III**

Functional Responsibility: Ability to handle a mix of travel destinations. Working with IT personnel and user community to identify IT training solutions to business needs. Analyzing training material for updates and designing/creating training materials as necessary, while performing the training of those materials.

Education: Bachelor's degree from four-year College or university; or five (5) years of relevant experience; or a combination of education and experience. Holding MCT, CTT+ or other industry recognized trainer certifications.

General Experience: 10+ years experience in adult education through creating documentation, designing training sessions and conducting training for users. Excellent customer service and learning skills. Experience in training high level IT certifications.

## Phoenix TS SIN 54151S GSA Pricing

Proposed Labor Category	Unit	GSA Rate w/ IFF
Project Manager	Hour	\$220.00
Senior Subject Matter Expert	Hour	\$220.50
Subject Matter Expert	Hour	\$153.00
Sr. Instructional Designer	Hour	\$116.00
Instructional Designer	Hour	\$85.00
Graphic Designer	Hour	\$117.00
Graphic Artist	Hour	\$90.00
Technical Editor	Hour	\$85.00
Technical Writer	Hour	\$112.00
Program Manager	hour	\$131.18
Cyber Security Expert I	hour	\$ 79.64
Cyber Security Expert II	hour	\$ 93.70
Cyber Security Expert III	hour	\$121.81
Technical Staff I	hour	\$ 76.83
Technical Staff II	hour	\$ 90.89
Technical Staff III	hour	\$104.94
System Administrator I	hour	\$ 70.27
Systems Administrator II	hour	\$ 82.45
Systems Administrator III	hour	\$101.19
Software Engineer I	hour	\$ 70.65
Software Engineer II	hour	\$100.26
Software Engineer III	hour	\$129.30
Systems Analyst I	hour	\$ 79.64
Systems Analyst II	hour	\$ 89.01
Systems Analyst III	hour	\$ 98.38
Computer Programmer	hour	\$112.44
Database Administrator	hour	\$ 79.64



**Phoenix TS**

Proposed Labor Category	Unit	GSA Rate w/ IFF
Senior Database Administrator	hour	\$119.00
Security Analyst I	hour	\$ 71.21
Security Analyst II	hour	\$ 93.70
Security Analyst III	hour	\$122.74
IT Consultant	hour	\$ 73.65
IT Senior Consultant	hour	\$119.93
IT Principal Consultant	hour	\$148.04
Network Engineer I	hour	\$ 46.95
Network Engineer II	hour	\$ 89.01
Network Engineer III	hour	\$107.75
Network Administrator I	hour	\$ 65.59
Network Administrator II	hour	\$ 80.58
Network Administrator III	hour	\$100.26
Subject Matter Expert II	hour	\$131.18
Subject Matter Expert III	hour	\$168.66
Configuration Manager II	hour	\$ 91.82
Configuration Manager III	hour	\$117.12
Help Desk Technician I	hour	\$ 42.16
Help Desk Technician II	hour	\$ 60.90
Help Desk Technician III	hour	\$ 73.08
Quality Assurance I	hour	\$ 74.96
Quality Assurance II	hour	\$ 89.01
Technical Administrative	hour	\$ 51.53
Information Assurance Security Specialist I	hour	\$ 80.58
Information Assurance Security Specialist II	hour	\$100.26
Technical Instructor I	hour	\$ 84.33
Technical Instructor II	hour	\$ 98.38
Technical Instructor III	hour	\$112.44

