

Cybersecurity Course Syllabus

Week 1

Technical Skills Focus: Windows Overview

Understanding what windows event viewer is and how it works. Understanding how to troubleshoot performance issues Understanding tools in windows. Understanding the windows command line.

Professional Development Focus: Creating Your Brand

Begin to create your unique personal brand.
Enhance your brand and marketability by increasing your confidence through public speaking.

Week 2

Technical Skills Focus: Windows Overview continued

Configure Windows IIS, Writing Basic Windows Batch Scripts, Writing and editing Windows FTP Scripts, Setting up Windows SSH Key

Professional Development Focus: Professionalism

Enhance your presentation, using the skill of empathy. Practice your 60 second pitch. Deliver your first "60 second pitch" and receive feedback. Learn the importance of building and protecting your professional brand. Learn to "see things through the eyes of the employer."

Week 3

Technical Skills Focus: Unix/Linux Overview

Learn about operating system architecture. Explore Unix/Linux by identifying files and processes, and learning basic and advanced commands.

Professional Development Focus: Financial Capability Workshop

Learn valuable money management skills, such as building assets and reducing debt. Attend a comprehensive Financial Capability workshop conducted by our Financial Coach. Learn valuable skills such as budgeting, asset building, reducing debt and more. Following the workshop, you will have an opportunity to meet one-on-one, print out your credit report and have a confidential meeting with the Financial Coach.

Week 4

Technical Skills Focus: Unix/Linux Overview Part 2

Expand your Unix knowledge by learning programming in Bash. Create bash scripts!

Professional Development Focus: Create Your Marketing Documents

Create a powerful resume and cover letter. Introduction to resumes and cover letters. Learn to create a powerful resume, and a well written and impactful cover letter.

Week 5

Technical Skills Focus: Cisco CCENT Part 1

Embark on your first step towards the Cisco CCENT exam. Learn about networking fundamentals. Topics includes firewalls, access points, wireless controllers, fault isolation and troubleshooting.

Professional Development Focus: Interviewing Skills

Be able to give impactful answers to any interview question. Learn how to skillfully answer interview questions in the form of PAR statements, so you highlight your skills and professional accomplishments.

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- Week 6** **Technical Skills Focus: Cisco CCENT Part 2**
Learn how to configure, verify and troubleshoot IPv4 and IPv6 subnetting. Compare and contrast IPv4 and IPv6 address types.
- Professional Development Focus: Enhance Your Professional Brand**
Verbal and non-verbal communication skills. Learn the correct business handshake, positive body language, proper tone of voice, and many other communication skills that will reinforce your professional brand. Set up a professional email account and ensure that your online brand projects a professional image.
- Week 7** **Technical Skills Focus: Cisco CCENT Part 3**
Explore switching fundamentals. Learn about Ethernet frames. Configure, verify and troubleshoot VLANs. Learn the skills to troubleshoot any local network.
- Professional Development Focus: Preparation - The Key To A Successful Interview**
Learn how to be thoroughly prepared for an interview, so you create a great first impression. Included are how to dress professionally, how to prepare impactful questions for the employer, how to research the company.
- Week 8** **Technical Skills Focus: Cisco CCENT Part 4**
Explore routing fundamentals. Learn routing concepts, understand how to read a routing table. Learn how to implement, configure and troubleshoot services like DNS and DHCP.
- Professional Development Focus: Empathy**
Seeing things through the eyes of an employer. Gain an insight into what employers are looking for, and learn to skillfully answer questions that meet their needs.
- Week 9** **Technical Skills Focus: General Computer Troubleshooting**
Troubleshooting various computer scenarios. Understand the troubleshooting methodology.
- Professional Development Focus: Practice!**
Interviewing is a skill and like any skill, you need to practice. Practice the interviewing skills you have learned by participating in peer-to-peer interviews. You will also receive valuable feedback from your Career Coach
- Week 10** **Technical Skills Focus: Network Troubleshooting**
Troubleshooting various network scenarios. At the end of this week you will take the Cisco CCENT Exam.
- Professional Development Focus: Customer Service**
Employers expect you to have outstanding service skills. You will learn to be a customer service pro with our Customer Service workshop. You'll explore the important customer service traits and skills that are required to be successful in business today. Learn "de-escalation" skills and turn unhappy customers into happy, and satisfied ones. (service recovery). Learn and practice the key skill of listening and participate in several role plays to highlight the importance active listening plays in delivering great customer service.

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- Week 11**
- Technical Skills Focus: SQL Overview**
Learn SQL in practical and hands on scenarios. Learn how to query and generate reports in Microsoft SQL Server.
- Professional Development Focus: Meet With An Employer And Practice Your Interviewing Skills**
Finalize your resume and career portal profile. Participate in employer-led mock interviews. You'll get to practice and improve your interview skills with industry professionals.
- Week 12**
- Technical Skills Focus: Apache Web Configurations**
Troubleshooting web servers. You will learn how to understand and interpret apache error logs.
- Professional Development Focus: Time To Begin Your Job Search**
Create a LinkedIn profile. Create a comprehensive and structured job search campaign. You will also create a professional LinkedIn profile, and learn its many features. Learn to network like a pro.
- Week 13**
- Technical Skills Focus: Web Development Overview**
You will be able to identify the structure of a HTML page. You will also learn about the various HTML tags that make of a webpage.
- Professional Development Focus: Practice Your Interviewing Skills and Gain Valuable Feedback From The Skilled ActivateIT Staff**
Participate in the ActivateIT Assessment Panel interview. Students will come fully prepared to sell themselves, in a real-world setting. The interview will be filmed and conducted by 3 of our most experienced staff members. Immediate feedback will be given and the video will be shared with you and your Career Coach for private viewing.
- Week 14**
- Technical Skills Focus: Cisco Intro to Cybersecurity Part 1**
Cisco Intro to Cybersecurity certificate module. You will learn key concepts like how to protect against malware, along with an overview of Cybersecurity in finance and telecommunications.
- Professional Development Focus: Meet Business Solutions And Discuss Current Job Opportunities**
Practice your 60 second pitch. Meet one-on-one with our Business Solutions team. Begin to explore the different positions that will be available to you. Practice your 60 Second Pitch.
- Week 15**
- Technical Skills Focus: Cisco Intro to Cybersecurity Part 2**
Cisco Intro to Cybersecurity certificate module part 2. You will learn how to defend against global threats and about security vulnerabilities and the available security solutions.
- Professional Development Focus: Advancement Strategies**
Learn to climb the career ladder with time-tested techniques. Learn to develop outstanding relationships with all levels of an organization. Learn valuable conflict resolution skills and other tips on how to resolve problems in the workplace. Understand regulations around sexual harassment and cultural diversity. Learn valuable strategies on how to advance your new IT career.

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Week 16

Technical Skills Focus: Scripting, RegEx, and Searches

Explore some advanced concepts and tools. Learn about industry security solutions like Splunk.

Professional Development Focus: Let's Review All That You Have Learned

Final Review and delivery of "60 Second Pitch"

