




Become a *Cyber Analyst*

Master the craft of digital defense. Learn to identify and neutralize threats with expertise, ensuring every byte of data stays secure. Become the frontline guardian of organizations.

 Remote

 Full time

 14 months

Career Training

Our 14-month intensive training program will equip you with the essential cybersecurity analyst skill set and get you job-ready. You will learn cybersecurity fundamentals, get hands-on experience, and develop a stellar portfolio with real-world experience sourced from the world's leading cybersecurity companies.

Language Skills

The program offers 200 hours of language studies to students who are looking to improve their German or English. Practice speaking, reading and writing to become more proficient in a language that can help you achieve your career goals faster. This offering is open to all of our students, but is optional according to your needs or at the request of your agent. Students who begin at an A2 level (elementary) should reach B1 level (intermediate) and will receive certification after the course is completed. Learn more ([English](#) / [German](#))

Career Accelerator

After your technical training, you will join the Career Accelerator until you find a job. You will focus on searching for a job in Cybersecurity while participating in extensive career workshops and benefiting from one-on-one mentorship sessions. You will also continue to develop your technical skills and gain more experience.

Endless Career Growth

Our goal is to ensure that you build an inspiring career. This means we're here for you even after being hired for your first role. As our graduate, you will become a part of our vibrant alumni community, gain access to exclusive events and workshops, and get the undivided support of our team whenever you start thinking about the next step in your career journey.

Industry Certifications

As a pivotal element of this training program, we are committed to equipping participants with the necessary knowledge and skills to successfully prepare for and attain four prestigious industry-recognized certifications. Our comprehensive preparation approach ensures that each student receives the best support and resources available.

The certifications included in this program are:



Google IT Support
Professional Certificate



Google Cybersecurity
Professional Certificate



Cisco CCNA
Professional Certificate
(200-301)



Microsoft Azure
Administrator Associate
Certificate (AZ-104)



CompTIA Security+
Professional Certificate

Achieving these certifications will not only validate your expertise in the respective areas but also significantly enhance your professional credibility and marketability in the industry.

Learning Units

Tech Foundations	5
Google IT Support Professional Certificate	6
Google Cybersecurity Professional Certificate	8
CompTIA Security+ Professional Certificate	10
Cisco CCNA Professional Certificate	12
Microsoft Azure Administrator Associate Certificate (AZ-104)	14
IT / Cybersecurity Internship	16

Tech Foundations

During the first unit of our program, we will lay the groundwork with the tech fundamentals you need to succeed. Learn programming with Python, practice algorithmic thinking, and complete your first coding project. In addition, this unit will teach you time management skills, touch typing, and how to use keyboard shortcuts to work effectively.

Sprint 1 Programming with Python 1

Sprint 2 Programming with Python 2

Sprint 3 Your first coding project

Sprint 4 Practice Week

Concepts covered



Python Programming



Time Management



Problem Solving



Touch Typing



Algorithmic Thinking



Keyboard Shortcuts

Google IT Support Professional Certificate

This unit introduces you to the essential skills and knowledge required for a career in IT/Security. Starting with the basics of technical support, you'll delve into the fundamentals of computer networking, learn about operating systems, and explore system administration. The unit also covers crucial IT security concepts to equip you with the tools necessary for maintaining and protecting computer systems in a professional environment. By the end of this unit, you will have a comprehensive understanding of the key components that underpin the IT support role, setting a solid foundation for your future in the field.

- Sprint 1** Technical Support Fundamentals
- Sprint 2** Computer Networking 1
- Sprint 3** Operating Systems
- Sprint 4** System Administration and IT Security

Google IT Support Professional Certificate

Concepts covered

- Technical Support Fundamentals: Understanding the role and responsibilities in IT support.
- Basics of Computer Networking: An introduction to the fundamentals of networking technology.
- Advanced Networking Concepts: Exploring more complex networking theories and practices.
- Introduction to Operating Systems: Learning about different operating systems and their functionalities.
- Principles of System Administration: Understanding the tasks and responsibilities of system administrators.
- IT Security Basics: Learning the foundational principles of IT security.
- Problem-solving in IT: Developing skills to troubleshoot and resolve IT issues.
- Customer Service Skills in IT: Mastering the art of customer service within the IT context.
- Networking Protocols and Standards: Understanding the rules and standards that govern network communications.
- Operating System Maintenance and Management: Learning to maintain and manage various operating systems.
- Security Practices and Risk Management: Understanding how to implement security measures and manage risks in IT.
- Hardware and Software Interaction: Exploring the relationship and interplay between hardware and software components.

Google Cybersecurity Professional Certificate

In this foundational unit we delve into the core concepts and skills essential for a career in cybersecurity. You'll begin by understanding the basics of cybersecurity, exploring how to secure networks against potential threats. The unit progresses to cover the fundamentals of Linux, an operating system at the heart of many cybersecurity operations.

You will also learn about identifying and managing digital assets, understanding and mitigating threats, and recognizing vulnerabilities. The unit culminates in developing skills in detection and response to security incidents, equipping you with the ability to react swiftly and effectively to cyber threats. Additionally, we integrate Python programming tailored for security applications, enhancing your ability to automate tasks and analyze data in a cybersecurity context.

- Sprint 1** Cybersecurity Fundamentals
- Sprint 2** Securing a Network, Linux Basics
- Sprint 3** Assets, Threats, and Vulnerabilities
- Sprint 4** Detection and Response, Python for Security

Google Cybersecurity Professional Certificate

Concepts covered

- Cybersecurity Basics: Understanding the fundamental principles of cybersecurity.
- Network Security: Learning strategies for protecting networks against cyber threats.
- Linux Operating System: Exploring the use and significance of Linux in cybersecurity.
- Asset Management: Identifying and managing digital assets in a cybersecurity context.
- Threat and Vulnerability Assessment: Analyzing potential threats and vulnerabilities in systems.
- Incident Detection and Response: Developing skills to detect and respond to security incidents.
- Python for Security Automation: Utilizing Python programming to automate security-related tasks.

CompTIA Security+ Professional Certificate

In this 3-month learning unit, we delve into the essential elements of cybersecurity, preparing you for the CompTIA Security+ certification. This unit is designed to build a strong foundation in security principles, covering general concepts, threat identification, and mitigation strategies. You'll learn about the latest in security architecture and operations, gaining the skills necessary to manage and oversee comprehensive security programs. With a focus on real-world application, each sprint takes you one step closer to becoming a proficient security professional. The unit concludes with an Exam Prep Sprint to ensure you're fully prepared for the certification exam.

- Sprint 1** General Security Concepts
- Sprint 2** Threats, Vulnerabilities, and Mitigation 1
- Sprint 3** Threats, Vulnerabilities, and Mitigation 2
- Sprint 4** Security Architecture
- Sprint 5** Security Operations 1
- Sprint 6** Security Operations 2
- Sprint 7** Security Programs Management and Oversight
- Sprint 8** Network Security 1
- Sprint 9** Network Security 2
- Sprint 10** Incident Response and Management
- Sprint 11** Compliance and Legal Considerations
- Sprint 12** Exam Prep Sprint

CompTIA Security+ Professional Certificate

Concepts covered

- Security Fundamentals: Introduction to the core principles of cybersecurity.
- Threat Identification and Mitigation: Learning to recognize and counteract potential security threats.
- Vulnerability Assessment: Techniques for identifying and analyzing security vulnerabilities.
- Security Architecture and Design: Understanding the structure and design of secure systems.
- Network Security: Exploring the protection of data in transit over networks.
- Incident Response and Management: Strategies for managing and responding to security incidents.
- Compliance and Operational Security: Understanding legal, regulatory, and operational aspects of security.
- Risk Management: Techniques for identifying, assessing, and mitigating risks in cybersecurity.
- Cryptography and Public Key Infrastructure (PKI): Exploring the role of cryptography and PKI in security.
- Identity and Access Management (IAM): Learning about systems that manage identification and access control.

Cisco CCNA Professional Certificate

In this comprehensive 3-month unit of our program, you will embark on a journey to achieve Cisco's CCNA certification. This curriculum is designed to provide you with both theoretical knowledge and practical skills in networking. Starting from the basics of network fundamentals, you will progress through topics like routing, switching, and network security. The unit also includes hands-on experience with Cisco's networking solutions, preparing you for real-world scenarios.

Towards the end of the unit, we will focus on exam preparation to ensure you are ready to achieve your Cisco CCNA Professional Certificate.

- Sprint 1** Network Fundamentals
- Sprint 2** Network Access
- Sprint 3** IP Connectivity
- Sprint 4** IP Services
- Sprint 5** Security Fundamentals
- Sprint 6** Automation and Programmability
- Sprint 7** Routing Protocols and Concepts
- Sprint 8** Switching and VLANs
- Sprint 9** Wireless Networks and Security
- Sprint 10** Advanced Routing and Switching
- Sprint 11** Network Troubleshooting
- Sprint 12** Exam Prep Sprint

Cisco CCNA Professional Certificate

Concepts covered

- Network Fundamentals: Basics of network architecture and technologies.
- Network Access and Troubleshooting: Understanding network access methods and solving common network problems.
- IP Services and Connectivity: Exploring IP addressing, services, and ensuring effective connectivity.
- Security Fundamentals: Introduction to network security principles and practices.
- Routing Protocols and Concepts: Learning about routing mechanisms and protocols in network environments.
- Switching Concepts and VLANs: Understanding switch operations and virtual LANs (VLANs).
- Wireless Networks and Security: Exploring wireless networking technologies and associated security measures.
- Advanced Routing and Switching: Complex routing and switching techniques.
- Automation and Programmability: Network automation and programmable network architectures.
- Network Troubleshooting: Techniques and strategies for diagnosing and resolving network issues.
- Exam Prep Sprint: Focused preparation for the Cisco CCNA certification exam.

Microsoft Azure Administrator Associate Certificate (AZ-104)

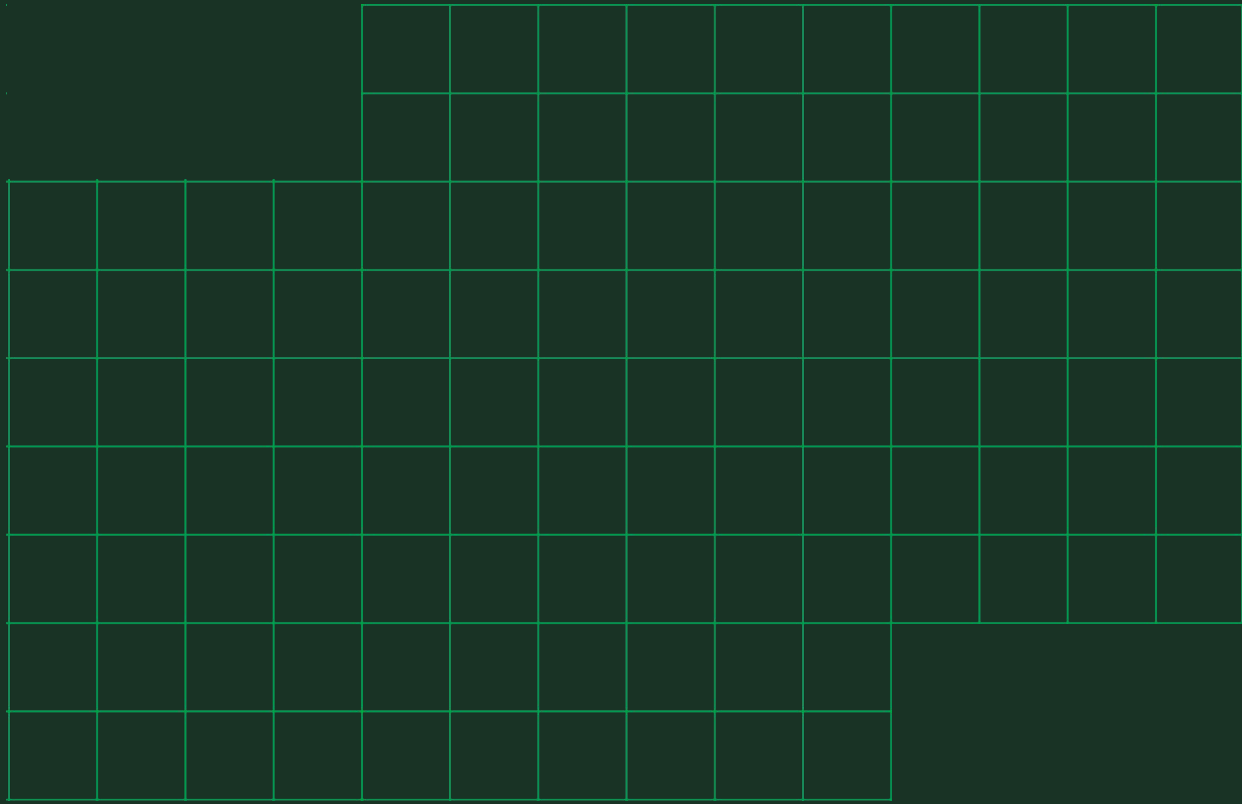
This 3-month unit is specifically designed to prepare you for the AZ-104 Microsoft Azure Administrator certification exam. Through a series of sprints, you will gain in-depth knowledge and hands-on experience with various aspects of Azure services, management tools, and security features. This unit aims to equip you with the skills necessary to manage cloud services that span storage, security, networking, and compute cloud capabilities.

- Sprint 1** Introduction to Azure and Azure Portal
- Sprint 2** Managing Azure Identities and Governance
- Sprint 3** Implementing and Managing Storage in Azure
- Sprint 4** Deploying and Managing Azure Compute Resources
- Sprint 5** Configuring and Managing Virtual Networking
- Sprint 6** Azure Security, Monitoring, and Troubleshooting
- Sprint 7** Implementing and Managing Application Services
- Sprint 8** Managing and Implementing Azure Backup Solutions
- Sprint 9** Automating Azure Tasks with PowerShell
- Sprint 10** Advanced Networking and Security
- Sprint 11** High Availability and Disaster Recovery
- Sprint 12** Review and Exam Preparation

Microsoft Azure Administrator Associate Certificate (AZ-104)

Concepts covered

- Azure Fundamentals and Interface Navigation: Introduction to Azure's basic concepts and navigating its interface.
- Identity Management with Azure Entra ID: Learning to manage identities using Azure's identity services.
- Governance and Compliance in Azure: Azure's governance mechanisms and compliance standards.
- Storage Solutions and Data Management: Azure's storage solutions and data management practices.
- Azure Virtual Machines and App Services: Managing and deploying virtual machines and app services in Azure.
- Virtual Networking and Interconnectivity: Setting up and managing virtual networks and their interconnectivity in Azure.
- Azure Security Solutions: Understanding and implementing Azure's security solutions and features.
- Monitoring, Reporting, and Troubleshooting in Azure: Techniques for monitoring Azure services and troubleshooting issues.
- Automation and Scripting with PowerShell: Automating tasks in Azure using PowerShell scripting.
- Advanced Networking and Enhanced Security Features: Complex networking and advanced security features in Azure.
- High Availability and Disaster Recovery: Strategies for ensuring high availability and disaster recovery in Azure environments.



IT / Cybersecurity **Internship**

🕒 Full time

📅 2 months

Program *Overview*

The Masterschool IT / Cybersecurity Internship Program is a comprehensive 2-month initiative designed to provide IT or cybersecurity internship support from a dedicated Masterschool mentor. This program fosters daily guidance and support, ensuring both professional growth and successful integration into the IT or cybersecurity industry.

Key *Features*

- Duration: 2 months, full-time.
- Target Internship Roles: IT Support, Networking Administration, and Cybersecurity Analysis.
- Mentorship: Daily support and guidance from an experienced Masterschool mentor.
- Professional Development: Focused on gaining practical experience, enhancing technical skills, and understanding workplace dynamics.
- Portfolio Building: Assistance in creating a professional portfolio to highlight skills and achievements.

Support *Structure*

- Mentorship: Personalized mentorship for daily support, addressing technical and professional challenges.
- Networking Opportunities: Access to industry professionals and Masterschool alumni network.
- Career Guidance: Post-internship career planning and job search strategy sessions.

Outcome

- Enhanced Skill Set: Practical knowledge and skills in IT support, network administration, and cybersecurity analysis.
- Professional Portfolio: A comprehensive portfolio demonstrating real-world project experience and achievements.
- Industry Readiness: Preparedness for roles in the IT or cybersecurity industry with enhanced employability prospects.

Program *Modules*

Week 1

Orientation and Integration

- Overview: Discussing objectives, roles, and expectations.
- Mentor Introduction: Establishing the mentor-mentee relationship and setting up daily standup routines.
- Workplace Culture Orientation: Introducing workplace dynamics, dealing with managers and peers, and adjusting to the corporate environment.

Weeks 2-4

Initial Hands-On Experience and Skill Development

- Daily Activities
- Daily Standup Meetings: Regular check-ins with the Masterschool mentor to review objectives and progress.
- Weekly Focus
- Mentorship Sessions: Weekly in-depth discussions on progress, challenges faced, and professional development advice.
- Soft Skills Development: Workshops on communication, teamwork, and other essential professional skills.
- Problem-Solving Workshops: Interactive sessions to develop strategies for workplace challenges.

Weeks 5-6

Advanced Application and Mentorship

- Daily Activities
- Continued Work: Taking on more complex tasks and responsibilities in ongoing projects.
- Daily Mentor Interaction: Focused guidance on advanced technical aspects and project-specific challenges.
- Weekly Focus
- Workshops on stress management and maintaining work-life balance.
- Legal and Ethical Training: Sessions on the legal and ethical aspects of IT and cybersecurity.
- Portfolio Development Guidance: Starting to document projects, achievements, and key learnings for their professional portfolio.

Weeks 7-8

Finalization and Career Transition

- Daily Activities
- Project Finalization: Completing and refining projects, focusing on achieving objectives and applying learned skills.
- Daily Review with Mentor: Feedback and final preparations for project presentations and portfolio completion.
- Weekly Focus
- Portfolio Review and Completion: Finalizing the portfolio with mentor guidance, showcasing achievements and learnings.
- Graduation Event: Celebrating the completion of the program, sharing experiences, and networking with Masterschool alumni and industry professionals.

Career Acceleration to land your first *IT Security* role, and beyond.

During the Career Accelerator, you will be actively looking for your first full-time IT or Cybersecurity role. You will be learning everything you need to know about how to get hired for your dream job at a top tech company, while continuing to develop your technical and soft skills. Our goal here is to make you the ideal candidate for the role you are after, and to help you start your career as early as possible.

Career Workshops

Participate in extensive live workshops that are focused on developing your “elevator pitch”, activating your personal and professional networks, learning job search and salary negotiation strategies, setting weekly goals, and more.

Squad Sessions

Join a Squad of a small number of your fellow students for weekly group sessions to share advice and drive each other forward. Squad Leaders are experts who bring their squad members from being job-ready to getting hired. You will meet your Squad Leader in Squad meetings and 1:1 sessions.

Advanced Learning

Continuous advanced training to keep sharpening your skills and expanding your experience and expertise, with additional challenges and projects to add to your portfolio.

Interview Preparation

Master your industry technical proficiency and your personal interviewing skills through taking part in live mock-interview simulations and receiving insightful, personal feedback from industry experts.

Job Search Toolkit

Be a pro candidate by tracking your opportunities, managing your job interview process, building your portfolio, and showcasing your projects with the best tools on the market to organize and accelerate your job search.

