

A woman in a military uniform is seated at a desk, looking down at a laptop. She is holding a stack of papers in her left hand. The background shows a window with greenery outside and a desk lamp.

MSSA Update

Microsoft Software & Systems Academy

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MSSA | Program Components and Learning Paths



MSSA workforce development-focused learning paths:

Cloud Application Development:

Foundational Developer skills → Azure Developer role/certification opportunity

Server & Cloud Administration:

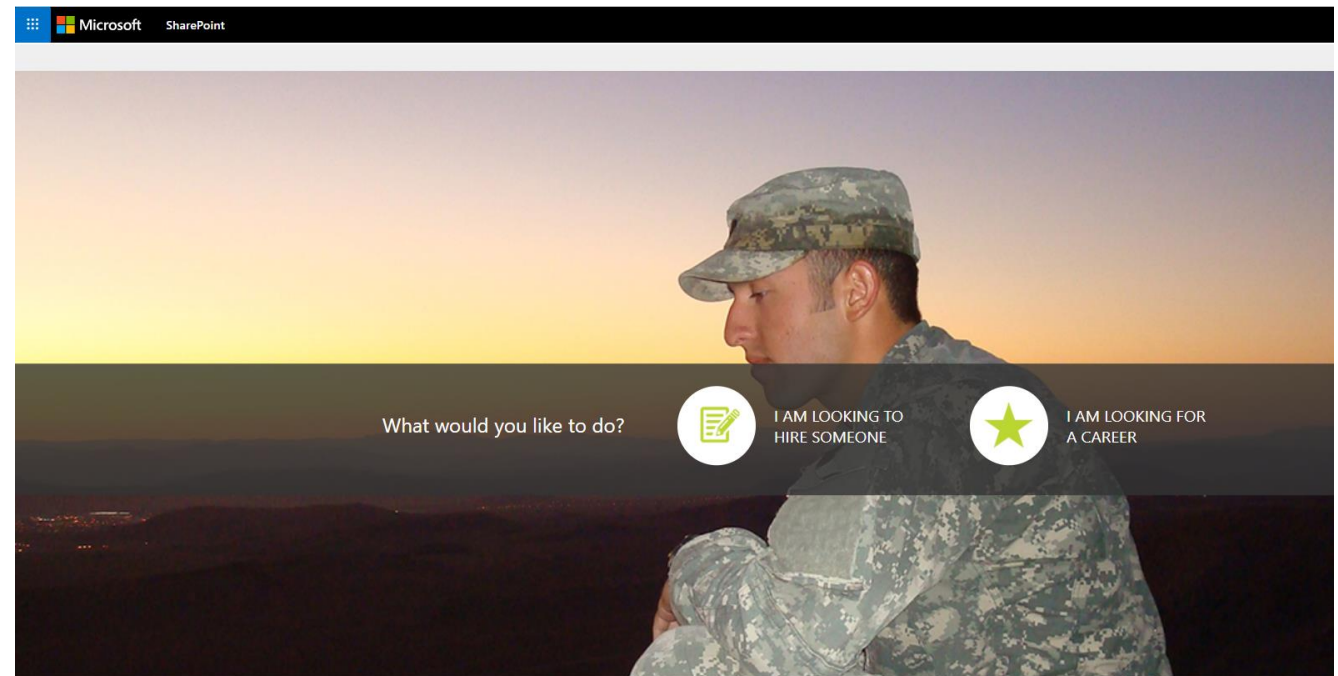
Foundational Networking skills → Azure Administrator role/certification opportunity

Cybersecurity Operations:

Foundational security operations skills → Azure Admin or Security Operations role/certification opportunity

All graduates not currently employed or attending school are **engaged in job search** with the assistance of our own MSSA Career Development Managers, Corporate Engagement Manager, and MSSA Recruiting Team.

NO HIRING FEES for veterans or MS hiring partners



Microsoft Military Affairs Microsoft Software and Systems Academy

MSSA Homepage | <http://military.microsoft.com/mssa>

MSSA Program Structure

MSSA is a full-time program facilitated between 0800-1700, Mon-Fri, over 17-weeks.

Pre-Cohort

- Future start cycles (July 2023, August 2023, October 2023)
- Admissions: Submit application and required documentation. Satisfy program prerequisites.
- Orientation:
 - Introduce cohort instructors
 - Review first day administrative task and verify access to resources

In Session-Cohort

- 10 participants per cohort
- Technical Instruction: 8am-4pm, Monday-Thursday – 448 hours
- Flex Time (as needed): 4pm-5pm, Monday-Thursday – 64 hours
 - Used for additional Instructor, Career Development Manager, administration time, etc.
- Professional Development (ProDev):
 - Weekly Sessions: 8am-5pm, Friday – 112 hours
 - Focus Week (week 9): 8am-5pm, Monday-Friday – 35 hours (no technical instruction)

MSSA Program Overview

- Program Objective: Prepare participants for employment in the tech industry and provide employment support.
- Authorized DoD SkillBridge Program
- 17-Week Program delivered by MS Learning Partner
 - 16-weeks technical instruction (8-5, M-Th)
 - 1-week of Professional Development + every Friday
- 10 Participants per cohort
- Multiple Learning Paths:
 - CAD (Cloud Application Development)
 - SCA (Server and Cloud Administration)
 - CSO (Cyber Security Operations)
- Mentoring throughout program (MS employees)
- Fully funded and supported by Microsoft



MSSA | By the numbers

March 2023, Program All Up



Graduates
3,617

Graduation Rate
95%

Employed or Continuing
Education
97%

(includes 12% who chose to pursue a degree - DoD/IMCOM consider continuing education as a result of this program a measure of employment)

Employed in Tech
92%

Unique Companies That Have
Hired MSSA Graduates
nearly 1000

Hiring Partners Who Have Hired
3+ graduates = 113 companies
10+ graduates = 29 companies

MSSA | By the numbers

March 2023, International



Graduates
27

Currently In Class
0







Graduation Rate
100%

Employed or Continuing
Education
74%

Employed in Tech
63%

Note: Due to low number of international graduates, there will be no significant change in statistics for some time.

Applied Skills Learning Paths

Learning Paths	Topics Covered	
Server and Cloud Administration (SCA)	<ul style="list-style-type: none"> PowerShell Networking Identity and Active Directory Windows Server Technologies Azure Fundamentals Azure Administration 	 <p>Microsoft Certified: Azure Fundamentals</p>  <p>*Microsoft Certified: Azure Administrator Associate</p>
Cloud Application Development (CAD)	<ul style="list-style-type: none"> Programming in C# Data Structures and Algorithms Developing Web Applications Azure Fundamentals Azure Development 	 <p>Microsoft Certified: Azure Fundamentals</p>  <p>*Microsoft Certified: Azure Developer Associate</p>
Cybersecurity Operations (CSO)	<ul style="list-style-type: none"> Windows Server Core Technologies CompTIA Security+ and CySA+ Azure Administration Azure Security Technologies Security Operations Azure Identity and Access Administration 	 <p>Microsoft Certified: Security, Compliance, and Identity Fundamentals</p>  <p>*Microsoft Certified: Microsoft Security Operations Analyst</p>

MSSA Cloud App Dev (CAD) – Learning Path (Oct 2022)

Curriculum – Instructor Led Courses

Program Prerequisites

Certification

Pearson Vue IT Specialist:
Software Development

Training

LinkedIn Learning:
[Software Development Fundamentals](#)
([linkedin.com](https://www.linkedin.com/learning/software-development-fundamentals))

Introduction to Programming

10975: Introduction to Programming

Students will learn the basics of computer programming using Microsoft Visual Studio IDE and C# programming language.

*GitHub Fundamentals

GitHub basics: Version control, repos, projects, notifications, branches, pull requests, and commits.

Data Access

DP-080: Querying Data with Microsoft Transact-SQL

Students learn core Transact-SQL scripting language to access and update data stored in SQL Server.

MS Learn: Program with Transact-SQL

Learn how to use programming techniques in your Transact-SQL.

Programming

20483: Programming in C#

Learn core programming skills required for developers to create Windows applications using the Visual C# language including Visual C# program structure, language syntax, and implementation details.

20480: Programming in HTML5 with JavaScript and CSS3

Learn core HTML5/CSS3/JavaScript programming skills such as how to implement programming logic, define and use variables, perform looping and branching, develop user interfaces, capture and validate user input, store data, and create well-structured applications.

Data Structures and Algorithms

Students learn about basic algorithms, algorithmic analysis, and basic data structures and how to apply in their code.

20486: Developing ASP.NET Core MVC Web Applications

Develop advanced ASP.NET Core MVC applications using .NET Core tools and technologies. The focus will be on coding activities that enhance the performance and scalability of the Web site application.

Microsoft Azure

AZ-900: Microsoft Azure Fundamentals

Provides students with core Azure concepts; core Azure services; core solutions and management tools; general security and network security; governance, privacy, and compliance features; Azure cost management and service level agreements.



Microsoft Certified:
Microsoft Azure Fundamentals

AZ-204: Developing Solutions for Microsoft Azure

Create end-to-end solutions in Azure and implement **Azure compute** solutions, create **Azure Functions**, implement and manage web apps, develop solutions utilizing **Azure storage**, implement authentication and authorization (**identity**), secure solutions by using **KeyVault** and managed Identities, and connect to/consume Azure services and third-party services and include **event and message-based models** in their solutions.



Microsoft Certified:
Azure Developer Associate

*Custom course created by the Learning Partner

MSSA Server Cloud Admin (SCA) – Learning Path (May 2023)

Microsoft Confidential

Program Prerequisites Certification

Pearson Vue IT Specialist: Networking

<https://home.pearsonvue.com/itspecialist/pdf/OD-101.pdf>

OR

CompTIA Network+

[https://partners.comptia.org/docs/default-source/resources/comp-tia-network-n10-008-exam-objectives-\(2-0\)](https://partners.comptia.org/docs/default-source/resources/comp-tia-network-n10-008-exam-objectives-(2-0))

OR

CompTIA Security+

<https://partners.comptia.org/certifications/security>

Training

LinkedIn Learning:
[Networking and Administration Fundamentals](#)
([linkedin.com](#))

Curriculum – Instructor Led Courses

Microsoft PowerShell & GitHub

AZ-040: Automating Administration With PowerShell

Provides the fundamental knowledge and skills to use Windows PowerShell for administering and automating administration of Windows servers.

GitHub Fundamentals

GitHub basics: Version control, repos, projects, notifications, branches, pull requests, and commits.

Microsoft Windows Server +Linux (OS)

Installation, Storage, & Compute with Windows Server

Provides core skills for implementing and managing **storage**, **Hyper-V**, **compute**, and **high availability and disaster recovery**.

Networking with Windows Server

Provides core networking skills required to deploy and support Windows Server. Topics covered: **DHCP**, **IPv4**, **IPv6**, **DNS**, **Active Directory**, **IPAM**, **remote access**, **VPN**, and **branch office**.

Identity with Windows Server

Deploy and configure **AD DS**, implement **Group Policy**, backup and restore, and monitor and troubleshoot AD. Also covers **replication**, **RODC**, **AD CS**, and **AD FS**.

Linux Administration Fundamentals (Ubuntu)

Provides the basics of administering Linux systems focusing on distro-independent fundamentals.

Microsoft Windows Server Hybrid

AZ-800: Administering Windows Server Hybrid Core Infrastructure

Implement and manage **on-premise and hybrid solutions** such as identity, management, compute, networking, and storage in a Windows Server hybrid environment.

AZ-801: Configuring Windows Server Hybrid Advanced Services

Migrate virtual and physical server **workloads** to Azure IaaS, secure **Azure VMs** running Windows Server. Perform administrative tasks related to high availability, troubleshooting, and disaster recovery.

Microsoft Azure

AZ-900: Microsoft Azure Fundamentals

Provides foundational level knowledge on cloud concepts; core Azure services; and Azure management and governance features and tools.

AZ-104: Microsoft Azure Administrator

Learn how to manage Azure subscriptions (**RBAC**), secure identities (**AAD**), administer, configure **virtual networking (DNS)**, connect Azure and on-prem sites, manage network traffic, implement storage solutions, create, and scale **VMs**, implement web apps and **containers**, back up and share data, and monitor solution.



Microsoft Certified:
Microsoft Azure
Fundamentals



Microsoft Certified:
Azure Administrator
Associate

MSSA Cybersecurity Ops (CSO) – Learning Path (May 2023)

Program Prerequisites Certification

Pearson Vue IT Specialist Networking

<https://home.pearsonvue.com/itspecialist/pdf/OD-101.pdf>

OR

CompTIA Network+

[https://partners.comptia.org/docs/default-source/resources/comptia-network-n10-008-exam-objectives-\(2-0\)](https://partners.comptia.org/docs/default-source/resources/comptia-network-n10-008-exam-objectives-(2-0))

OR

CompTIA Security+

<https://partners.comptia.org/certifications/security>

Experience

2+ years' experience in networking, server operating systems, and cybersecurity.

Training

Networking and Administration Fundamentals (linkedin.com)

Curriculum – Instructor Led Courses

PowerShell and OS Core

PowerShell Fundamentals (MS Learn + MOC AZ-040)

Learn fundamental skills of PowerShell for administering and automating administration of Windows servers.

Windows Server Core/Essentials

Learn core **networking** and **Identity** skills (including, **IPv4**, **IPv6**, **DHCP**, and **DNS**), **AD DS**, **Identity**, and how they relate to security.

Linux Administration Fundamentals (Ubuntu)

Provides the basics of administering Linux systems focusing on distro-independent fundamentals.

Security Core

CompTIA Security+

Assess the security posture of an environment. Recommend and implement security solutions; monitor/secure hybrid environments, including cloud, mobile, and IoT. Operate with awareness of applicable laws/policies, including, risk, and compliance. Identify, analyze, and respond to security events and incidents.

CompTIA CySA+

Learn intelligence and threat detection techniques, analyze and interpret data, identify and address vulnerabilities, suggest preventative measures, and respond to and recover from incidents.

Microsoft Azure Core

AZ-900: Microsoft Azure Fundamentals

Learn core foundational level knowledge on cloud concepts; core Azure services; and Azure management and governance features and tools.

Microsoft Azure Core cont.

AZ-104: Microsoft Azure Administrator

Learn how to manage Azure subscriptions (**RBAC**), secure identities (**AAD**), administer, configure **virtual networking (DNS)**, connect Azure and on-prem sites, manage network traffic, implement storage solutions, create, and scale **VMs**, implement web apps and **containers**, back up and share data, and monitor solution.

AZ-500: Microsoft Azure Security Technologies

Implement security controls, maintain organization's security posture and identify and remediate security vulnerabilities. Identity and access, platform protection, data and applications, and security operations using **Azure Key Vault**, **Azure Firewall**, **Azure Monitor**, **Azure Security Center**, and **Azure Sentinel**.



Microsoft Certified:
Microsoft Azure
Fundamentals
OR
Security, Compliance,
& Identity
Fundamentals

Microsoft Azure Security Core

SC-900: Microsoft Security, Compliance, and Identity Fundamentals

Learn foundational level knowledge on security, compliance, and identity concepts and related cloud-based Microsoft solutions.

SC-200: Microsoft Security Operations Analyst

Investigate, respond to, and hunt for threats using **Microsoft Sentinel**, **Microsoft Defender for Cloud**, and **Microsoft 365 Defender/Endpoint**, as well as utilizing **KQL** to perform detection, analysis, and reporting.

SC-300: Microsoft Identity and Access Administrator

Learn how to design, implement, and operate an organization's **identity** and access management systems using **Azure AD**. Modernize identity solutions, implement hybrid identity solutions and implement **identity governance**.



Microsoft Certified:
Azure Administrator
OR
Security Operations
Analyst Associate

Roles | MSSA grads have been hired as

- Cybersecurity Consultant and Web Developer
- Cybersecurity Engineers
- Database Developer
- Information Security Consultant
- IT Support Specialist
- IT and Project Manager
- Network Specialist
- Program Managers/Coordinators
- Service Engineers
- Software Engineers
- Support Engineers
- Systems Administrator
- System Security Manager

And many more





MSSA | Graduate Profile

- ~8 years active duty
- >90% have active security clearances
- High in learning agility
- Disciplined
- Grace under pressure
- Effectively deals with ambiguity
- Excellent teaming skills
- Highly collaborative
- Experienced in leadership & managing teams

External
companies are
invited to join
the **MSSA**
Hiring Portal

What would you like to do?



I AM LOOKING TO
HIRE SOMEONE



I AM LOOKING FOR
A CAREER

For access, email terry.henderson.msft@outlook.com

I am looking to hire someone



Find talent
by clicking
on
"resumes"

On this page:



Key links - resumes - post job - contacts



Upcoming graduation ceremonies



Upcoming resume releases



Blog posts

For access, email mssaops@microsoft.com.

For internal hiring managers, email cshrope@microsoft.com.

Click on a graduate's name to review the resume online.
Export to PDF, if desired.



[Search Resumes](#) [About MSSA](#) [About the Process](#) [Key Links](#) [Contacts](#)

MSSA Hiring > Hiring Managers > Search Resumes

Search Resumes of
Currently Available Talent

Learning Path:
All Learning Paths

Cohort ID:
All Cohort IDs

Find:

Security Clearance:
All Security Clearance Statuses

Preferred State:
All States

Location Preferences:
All Location Preferences

Interested in Remote?:
All Preferences

Degree Type:
All Degree Types

Save filtered results as PDF

COUNT: 68

NAME	SECURITY CLEARANCE	LOCATION PREFERENCES	PREFERRED CITIES	DEGREE TYPE	AVAILABILITY DATE
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Key Links | Homepage – <https://military.microsoft.com/>

- Deepening our investment in the military community: why we're fully funding Microsoft Software & Systems Academy
 - <https://www.linkedin.com/pulse/deepening-our-investment-military-community-why-were-fully-cortez/?published=t>
- Providing a path forward for U.S. military service members (2 min video)
 - <https://military.microsoft.com/2016/09/providing-path-forward-u-s-military-service-members/>
- We are the mighty: how life changed in one moment for this Marine (Andrew Richardson) (Video)
 - https://www.youtube.com/watch?v=GoQ5XxCHT_s
- With tech expertise, veterans build careers after service (Chuck Hodges, Dell Computers) (Video)
 - <https://www.youtube.com/watch?v=mk9hW4-lz3g&feature=youtu.be>
- World's most inexpensive bionic arm: Hackathon 2017 (Anthony Seo) (Video)
 - <https://www.youtube.com/watch?v=avHiJtDZV7U>
- In their own voice: making a difference (Joey Cruz) (Video)
 - <https://military.microsoft.com/2015/09/in-their-own-voice-making-a-difference/>
- The Microsoft training fast tracks veterans into sweet tech careers (Solaire Brown) (Article + Video)
 - <https://www.youtube.com/watch?v=ivS4z2e2q84>

Thank you

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