Learning Path Details
MSSA Program Overview

Microsoft Military Affairs Group

Last Updated: 04/05/2022
Curriculum – Instructor Led Courses

**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.

**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.

**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.

**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.

**AZ-204: Developing Solutions for Microsoft Azure**

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

*Custom course created by the Learning Partner*