

2210 Applications Software (APPSW)

Army eLearning (<https://usarmy.skillport.com>) offered courses

Software Programming Fundamentals

- *Getting Started with Programming*
- *Designing Programs*
- *ANSI C Programming: Introducing C (Classic)*
- *C++ Programming: Structured Programming (Classic)*
- *GUI Design Fundamentals*
- *Web-Based Interface Design*
- *Principles of OOP: I*
- *Principles of OOP: II*
- *Object-Oriented Analysis – Objects and Classes*
- *Object-Oriented Analysis – Dynamic Modeling*
- *Object-Oriented Design*
- *Distributed Component Principles and Technologies*
- *Microsoft ActiveX Technologies*

Object-Oriented Analysis and Design with UML

- *Object-Oriented Analysis and Design with UML: Fundamentals*
- *Object-Oriented Analysis and Design with UML: Exploring System Behavior*
- *Object-Oriented Analysis and Design with UML: Finding Classes*
- *Object-Oriented Analysis and Design with UML: Analyzing the System*
- *Object-Oriented Analysis and Design with UML: System and Object Behavior*
- *Object-Oriented Analysis and Design with UML: Designing the System*
- *Object-Oriented Analysis and Design with UML: Design and Implementation Issues*

ANSI C Programming

- *ANSI C Programming: Introducing C*
- *ANSI C Programming: Data Representation*
- *ANSI C Programming: Functions*
- *ANSI C Programming: Expressions*
- *ANSI C Programming: Flow Control*
- *ANSI C Programming: Text Processing*
- *ANSI C Programming: Processing Records*
- *ANSI C Programming: Pointers*
- *ANSI C Programming: The Standard Library and Preprocessor*

C++ Programming

- *C++ Programming: Structured Programming*
- *C++ Programming: Classes and Data Abstraction*
- *C++ Programming: Manipulating Objects*
- *C++ Programming: Overloading*
- *C++ Programming: Files and Streams*
- *C++ Programming: Programming Techniques*

Java Programming with J2SE 1.4

- *Getting Started with Java*
- *Operations and Flow Control in Java*
- *Creating Classes in Java*
- *Working with Classes in Java*
- *Reference Types and Threading*
- *Exception Handling and Assertions*
- *Java Utilities*
- *Java Applets*

- *Basic GUI Development in Java*

Overview of the J2EE Architecture (Platform 1.3)

- *J2EE Architecture*

Java Enterprise Development with the J2EE: Client Development, Application Deployment, and Security

- *Developing J2EE Clients*
- *Packaging and Deploying J2EE Applications*
- *Java 2 Security Features*

Java Enterprise Development with the J2EE: Servlets and JSPs

- *Developing Servlets*
- *Developing JSPs*

Java Enterprise Development with the J2EE: Enterprise JavaBeans

- *Developing EJBs*
- *Persistence and Transactional Issues Affecting EJBs*

Java Enterprise Development with the J2EE: J2EE Support Technologies

- *Java Database Connectivity*
- *RMI and the Java Message Service*
- *CORBA and the Java IDL*

Java Web Services

- *Web Service Technologies*
- *Java Technologies for Web Services*
- *Java Web Service Clients*

Microsoft .NET for Developers

- *Introducing Microsoft .NET*

Microsoft .NET for IT Professionals

- *What Microsoft .NET Means for IT Professionals*

Microsoft .NET for Developers: C# for the C++ Developer

- *Inside C#*
- *Programming C# for the C++ Developer*

Microsoft .NET for Developers: Foundations of ASP.NET with VB.NET

- *Introduction to ASP.NET*
- *Building ASP.NET Applications*
- *Optional ASP.NET Features and Finalizing ASP.NET Applications*

Microsoft .NET for Developers: Visual Basic .NET for the VB6 Developer

- *Moving to Visual Basic .NET*
- *Advanced Language Features of Microsoft VB.NET*
- *Windows Forms and ASP.NET*

Microsoft .NET for Developers: Building XML Web Services

- *XML Web Services and Microsoft .NET*
- *Building Web Services and Web-Service Clients with Microsoft .NET*

Microsoft .NET for Developers: ADO.NET with VB.NET

- *ADO.NET Connections and Commands with VB.NET*
- *Building ADO.NET DataSets with VB.NET*
- *Advanced ADO.NET Programming with VB.NET*

Microsoft .NET for Developers: Testing, Debugging, and Maintaining Web Applications in VB.NET

- *Testing and Instrumenting Web Applications in VB.NET*
- *Web Application Tracing and Debugging in VB.NET*
- *Web Application Maintenance in VB.NET*

Microsoft .NET for Developers: Configuration and Security with VB.NET

- *Assemblies and Configuration in .NET*
- *Security with VB.NET*

Microsoft .NET for Developers: Configuration and Security with C#

- *Assemblies and Configuration with C# in .NET*
- *Security with C#*

Microsoft .NET for Developers: Windows-based Application Deployment

- *Application Deployment in .NET*
- *Deployment of Windows-Based .NET Applications*

Microsoft .NET for Developers: Analyzing Requirements and Defining Solution Architectures

- *.NET Solution Vision and Requirements*
- *Developing .NET Specifications, Strategies, and Conceptual Design*
- *Creating the .NET Logical Design*
- *Creating the .NET Physical Design*

Microsoft .NET for Developers: Building Server Components with C#

- *Windows Services in C#*
- *Interoperability and Serviced Components in C#*
- *.NET Remoting in C#*
- *XML Data Access in C#*

Microsoft .NET for Developers: Building XML Web Services with C#

- *Building XML Web Services in Microsoft .NET with C#*
- *Building and Using Web Services*
- *Building Web Services and Web Service Clients in Microsoft .NET with C#*

Microsoft .NET for Developers: Foundations of ASP.NET with C#

- *Working with ASP.NET*
- *Responding to Clients and Errors in ASP.NET*
- *Controls in ASP.NET Web Forms*
- *Styling Web Applications*
- *Data Access with ASP.NET*
- *Supporting User Assistance and Accessibility*

Microsoft .NET for Developers: Mastering ASP.NET with C#

- *Creating and Using Components with ASP.NET*
- *Tracking Users in ASP.NET*
- *Globalizing ASP.NET Applications with C#*
- *Installation and Performance Issues for ASP.NET Applications*
- *Integrating and Working with Unmanaged Code Using ASP.NET*

Project Management for IT Professionals

- *Introduction to IT Project Management*
- *Functions of IT Project Managers*
- *The Life Cycle of an IT Project*
- *Managing the Execution and Control of IT Projects*
- *Managing Efficiencies of IT Projects*

Strategic Project Management for IT Projects

- *Strategic Planning and Positioning for IT Projects*
- *Strategic Approaches to Managing IT Projects*

- *Estimating the IT Project Work Effort*
- *IT Project Leadership, Authority & Accountability*
- *Managing Multiple IT Projects*
- *Cost Management and IT Project Trade-offs*

DHTML Basics

- *DHTML and Cascading Style Sheets*
- *Making Content Dynamic with DHTML*
- *DHTML Fundamentals*
- *JavaScript: Client-Side Scripting (Classic)*
- *Advanced Web Authoring: SSI*
- *Advanced Web Authoring: CGI and PERL*
- *VBScript – Lan Basics 2 (Classic)*
- *Microsoft VBSript: Advanced Language Topics*
- *Windows Script Host – Auto Admin Tasks (Classic)*

Net Safety

- *Network Security Issues*

Information System Security

- *Security Management and Operations Security Practices*
- *Access Control and Physical Security*
- *Cryptography and Network Security*
- *Security Architecture and Applications Security*
- *Business Continuity Planning, Law, and Ethics*

Java Programming with J2SE: Update from 1.4 to 5.0

- *J2SE 5.0 Language Features*
- *Library and Class Changes in J2SE 5.0*
- *Using Metadata in J2SE 5.0*

Java Programming with J2SE 5.0

- *Java Programming with J2SE 5: Getting Started with Java*
- *Java Programming with J2SE 5: Operators and Flow Control in Java*
- *Java Programming with J2SE 5: Creating Classes in Java*
- *Java Programming with J2SE 5: Working with Classes in Java*
- *Java Programming with J2SE 5: Generics and Annotations*
- *Java Programming with J2SE 5: Reference Types and Threading*
- *Java Programming with J2SE 5: Exception Handling and Assertions*
- *Java Programming with J2SE 5: Java Utilities*
- *Java Programming with J2SE 5: Java I/O*
- *Java Programming with J2SE 5: Basic GUI Development in Java*
- *Java Programming with J2SE 5: Java Applets*

Java Programming with Java SE 6.0

- *Java Programming with Java SE 6.0: Getting Started with Java*
- *Java Programming with Java SE 6.0: Operations and Flow Control in Java*
- *Java Programming with Java SE 6.0: Creating Classes in Java*
- *Java Programming with Java SE 6.0: Working with Classes in Java*
- *Java Programming with Java SE 6.0: Generics and Annotations*
- *Java Programming with Java SE 6.0: Reference Types and Threading*
- *Java Programming with Java SE 6.0: Exception Handling and Assertions*
- *Java Programming with Java SE 6.0: Java Utilities*
- *Java Programming with Java SE 6.0: Java I/O*
- *Java Programming with Java SE 6.0: Basic GUI Development in Java*
- *Java Programming with Java SE 6.0: Java Applets*

Perl Programming

- *Perl Language Fundamentals*
- *Starting to Program with Perl*

Best Practices for Software Programming

- *Programming Techniques and Strategies*
- *General Coding Best Practices*
- *Object-oriented Coding Best Practices*
- *Maintaining Quality Code*

Developing a User-Centered Software Design Approach

- *Introducing User-Centered Design*
- *Developing an Application Using User-Centered Design*
- *The Iterative Process in User-Centered Design*
- *Practical Examples of User-Centered Design*

To Register for Army eLearning and courses:

1. Log onto AKO: <https://www.us.army.mil>
2. Click on My Education (under Self-Service).
3. Click on the Access the Army e-Learning Portal Page link.
4. Click on the New User Link.
5. Choose "Register for the Army e-Learning Program" on the left side menu.
6. On the next page: Enter your AKO User Name and AKO password, and click on submit.
7. Complete every block on the registration form and click on Submit at the bottom of the page.
8. Once the system accepts your registration you will receive two emails in your AKO email account. One email has your e-Learning logon ID (AKO User Name) and the address you will use to log onto the e-Learning Program, and the second email will contain your password.
9. When you logon to e-Learning click on the folder of the courses you are interested in taking or type in the course number/course title in the Search For block. Once you get to the course title, click Play Course.