

PREREQUISITES AND RECOMMENDATIONS

Last Updated: 18 October 2010

Note: The following stated prerequisites for each training course should be fulfilled by the participants who will attend the respective training class. The objective is to improve the delivery of each training session and to maximize the learning for the participants.

ArcGIS Courses	Prerequisites and recommendations
DESKTOP	
What's New in ArcGIS Desktop 10	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or equivalent knowledge.
What's New in Editing at ArcGIS Desktop 10	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or equivalent knowledge.
ArcGIS Desktop I (Getting Started with ArcGIS)	Students should know how to use Windows-based software for basic file management and browsing.
ArcGIS Desktop II (Tools and Functionality)	Students should have completed <i>ArcGIS Desktop I: Getting Started with GIS</i> or <i>Getting Started with GIS</i> or have equivalent knowledge.
ArcGIS Desktop III (GIS Workflows and Analysis)	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or have equivalent knowledge.
Building Geodatabases	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or have equivalent knowledge.
Creating and Publishing Maps with ArcGIS	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or have equivalent knowledge.
Data Production and Editing Techniques	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or and <i>Learning ArcGIS Desktop</i> or have equivalent knowledge.
Introduction to Geoprocessing Scripts using Python	Students should have completed Completion of <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> and <i>ArcGIS Desktop III: GIS Workflows and Analysis</i> or equivalent knowledge. Basic programming skills, including using loops and conditional statements, are required. Completion of the free, one-hour <i>Using Python in ArcGIS Desktop 10</i> training seminar is recommended.
Performing Analysis with ArcGIS Desktop	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> and <i>ArcGIS Desktop III: GIS Workflows and Analysis</i> or have equivalent knowledge.
Working with CAD Data in ArcGIS Desktop	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or have equivalent knowledge.
Working with Geometric Networks for Utilities	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> and <i>ArcGIS Desktop III: GIS Workflows and Analysis</i> or equivalent knowledge is required. Completion of <i>Building Geodatabases</i> is recommended.
DESKTOP EXTENSIONS	
Creating and Analyzing Surfaces Using ArcGIS Spatial Analyst	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or have equivalent experience. If new to raster data, completion of <i>Working with Rasters in ArcGIS Desktop</i> is recommended.

ArcGIS Courses	Prerequisites and recommendations
Geoprocessing Raster Data Using ArcGIS Spatial Analyst	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or have equivalent experience. If new to raster data, completion of <i>Working with Rasters in ArcGIS Desktop</i> is recommended.
Working with 3D GIS Using ArcGIS	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or have equivalent knowledge.
DEVELOPER	
Building Web Applications Using the ArcGIS API for Flex	Students should have completed <i>Introduction to ArcGIS Server</i> or equivalent knowledge. Completion of <i>Creating Effective Web Applications Using ArcGIS Server</i> is recommended. Familiarity with Adobe Flex Platform concepts is required. Knowledge of the Flex software development kit (SDK) is beneficial but not required. Those unfamiliar with Flex concepts are encouraged to complete <i>Flex in a Week</i> (free Web training from Adobe).
Building Web Applications with the ArcGIS API for Microsoft Silverlight	Students should have completed completion of <i>Introduction to ArcGIS Server</i> or equivalent knowledge. Completion of <i>Creating Effective Web Applications Using ArcGIS Server</i> is recommended. Familiarity with Adobe Flex Platform concepts is required. Knowledge of the Flex software development kit (SDK) is beneficial but not required. Those unfamiliar with Flex concepts are encouraged to complete <i>Flex in a Week</i> (free Web training from Adobe).
Creating Effective Web Applications Using ArcGIS Server (Previously at v9.3.1 "Building Web Maps Using the ArcGIS API for JavaScript")	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> and <i>Introduction to ArcGIS Server</i> or equivalent knowledge is required.
Developing Application with ArcGIS Engine	Students should have completed <i>Introduction to Programming ArcObjects</i> or have six months' experience programming with ArcObjects. Students should also have experience programming with COM and Visual Basic .NET or Java. Students should review the ArcGIS Desktop Developer Guide.
Developing Applications with ArcGIS Server Using the Java Platform	Students should have completed <i>Introduction to ArcGIS Server</i> or have equivalent knowledge. Experience programming with Java EE and JSP is also required. Familiarity with JavaServer Faces, Internet protocols, Web services, the online <i>ArcGIS Server SDK for Java</i> , and the <i>ArcObjects SDK for Java</i> is recommended.
Developing Applications with ArcGIS Server Using the Microsoft .NET Framework	Students should have completed <i>Introduction to ArcGIS Server</i> or have equivalent knowledge and experience programming with ASP.NET 2.0 and JavaScript are required. Familiarity with Internet protocols, Web services, and ArcObjects is recommended.
Introduction to Programming ArcObjects with using the Microsoft .NET Framework	<p>Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or have equivalent knowledge. A basic proficiency with VB.NET or C# before taking this course. Specifically, one should already know how to:</p> <ul style="list-style-type: none"> • Use variables and objects. • Write methods and sub procedures. • Work with attributes, interfaces, and modules. • Use conditional statements and loops. • Use casting to access methods and properties. • Create forms and add controls. <p>Those without the above prerequisite skills should gain proficiency in an introductory third-party .NET course or tutorial before taking this course.</p>
Programming ArcGIS Desktop Using Add-Ins	<i>Not release as yet.</i>
SERVER	
ArcGIS Server Enterprise Configuration and Tuning for Oracle	Students should have experience with Oracle database administration or application development. Although these courses are not required, students will benefit from completion of <i>ArcGIS Desktop II: Tools and Functionality</i> , <i>ArcGIS Desktop III: GIS Workflows and Analysis</i> , or <i>Building Geodatabases</i> is recommended.
ArcGIS Server Enterprise Configuration and Tuning for SQL Server	Students should have experience with SQL Server database administration or application development. Although these courses are not required, students will benefit from completion of <i>ArcGIS Desktop II: Tools and Functionality</i> , <i>ArcGIS Desktop III: GIS Workflows and Analysis</i> , or <i>Building Geodatabases</i> .

ArcGIS Courses	Prerequisites and recommendations
ArcGIS Server: Web Administration Using the Microsoft .NET Framework	Students should have completed <i>Introduction to ArcGIS Server</i> or have equivalent knowledge and have a basic understanding of Web server technologies.
Authoring and Serving ArcGIS Mobile Projects	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> , <i>Introduction to ArcGIS Server</i> , and <i>Introduction to the Multiuser Geodatabase</i> or equivalent knowledge. Completion of <i>ArcGIS Desktop III: GIS Workflows and Analysis</i> and knowledge of Internet security concepts is recommended.
Creating Effective Web Applications Using ArcGIS Server	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> and <i>Introduction to ArcGIS Server</i> or equivalent knowledge.
Data Management in the Multiuser Geodatabase	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or have equivalent knowledge. Students should also be familiar with basic RDBMS concepts.
Introduction to the Multiuser Geodatabase	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> and <i>ArcGIS Desktop III: GIS Workflows and Analysis</i> or have equivalent knowledge. No database administration experience is required.
Introduction to ArcGIS Server	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or have equivalent knowledge.
Managing Editing Workflows in a Multiuser Geodatabase	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or have equivalent knowledge. Familiarity with ArcSDE architecture and working on a Windows platform is also required.