

PREREQUISITES AND RECOMMENDATIONS

Last Updated: 11 August 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.

ESRI Courses	Prerequisites and recommendations
ArcGIS Desktop	
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.
Cartography with ArcGIS	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or have equivalent knowledge.
Creating and Editing Parcels with ArcGIS	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or have equivalent experience. They should also be familiar with tax mapping terminology and practices.
Data Production and Editing Techniques	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or have equivalent knowledge.
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.
QA/QC for GIS Data	Students should have <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or have equivalent knowledge. Completion of <i>Building Geodatabases</i> is recommended.
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 have equivalent knowledge. Completion of <i>Building Geodatabases</i> or <i>Creating, Editing, and Managing Geodatabases for ArcGIS Desktop</i> is recommended.
Geodatabase	
Building Geodatabases	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or have equivalent knowledge.
Geodatabase Design Concepts	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.
ArcGIS Server Courses	
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.

ESRI 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.
ArcGIS Server Programming	
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 is required. Completion of <i>ArcGIS Desktop III: GIS Workflows and Analysis</i> and knowledge of Internet security concepts is recommended.
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 Applications with ArcGIS Server (Java)	Students should have completed <i>Introduction to ArcGIS Server</i> or have equivalent knowledge. Students should also have experience programming with J2EE and JSP. Familiarity with JavaServer Faces, Internet protocols, Web services, and the <i>ArcGIS Desktop Developer Guide</i> is recommended.
Developing Applications with ArcGIS Server (.NET)	Students should have completed <i>Introduction to ArcGIS Server</i> or have equivalent knowledge. Students should also have experience programming with ASP.NET 2.0, COM, and ArcObjects. Familiarity with Internet protocols, Web services, and the <i>ArcGIS Desktop Developer Guide</i> is recommended.
ArcGIS Data Management	
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</i> , or <i>Building Geodatabases</i> .
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> .
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.
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.
ArcGIS Desktop Programming	
Introduction to Geoprocessing Scripts using Python	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. Basic programming skills, such as using loops and conditional statements, are also required.
Introduction to Programming ArcObjects with using the Microsoft .NET Framework	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 in VB.NET or C# is also required.
Extending ArcGIS Desktop Applications	Students should have completed <i>Introduction to Programming ArcObjects with VBA</i> or have six months' experience programming with ArcObjects. Students should also have experience programming with COM and Visual Basic 6, Visual Basic .NET, or C#. Students should be familiar with ArcObjects developer resources such as the Developer Help and object model diagrams.
Writing Advanced Geoprocessing Scripts Using Python	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> , <i>ArcGIS Desktop III: GIS Workflows and Analysis</i> , and <i>Introduction to Geoprocessing Scripts Using Python</i> or have equivalent knowledge. Students should have experience applying the concepts and syntax taught in the introductory course. In particular, experience writing Python scripts that contain variables, loops, and standard ArcGIS geoprocessing tools is required.

ESRI Courses	Prerequisites and recommendations
ArcGIS Engine Programming	
Developing Application with ArcGIS Engine	Students should have completed <i>Introduction to Programming ArcObjects with VBA</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. Prior completion of <i>Extending ArcGIS Desktop Applications</i> is recommended.
ArcGIS Desktop Extension	
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.
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 ArcGIS Network Analyst	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> . <i>ArcGIS Desktop III: GIS Workflows and Analysis</i> . Completion of <i>Building Geodatabases</i> is recommended.
Working with 3D Analyst	Students should have completed <i>ArcGIS Desktop II: Tools and Functionality</i> or <i>Learning ArcGIS Desktop</i> or have equivalent knowledge.