

Introduction to ArcGIS I

(An ESRI Certified course)



This two-day course introduces students to ArcGIS and provides the foundation for becoming a successful ArcGIS user. Participants learn how to use ArcMap, ArcCatalog, and ArcToolbox and explore how these applications work together to provide a complete GIS software solution. The course covers fundamental GIS concepts as well as how to create, edit, and georeference spatial data. Attendees learn how to manipulate tabular data, query a GIS database, and present data clearly and efficiently using maps, charts, and reports. This course includes the functionality available in ArcGIS 9.x.

ArcGIS Desktop is ESRI's full-featured GIS software for visualizing, creating, managing, and analyzing geographic data. This course provides the foundation for becoming a successful ArcGIS Desktop user. Students learn fundamental GIS concepts and become familiar with the range of functionality available in the software. In course exercises, they work with ArcGIS Desktop and see how it provides a complete GIS software solution.

Those completing this course will be able to

- Describe the structure of ArcGIS Desktop software.
- Display geographic data.
- Query a GIS database.
- Edit geographic data.
- Associate tables using joins and relates.
- Create maps, reports, and graphs.

Topics Covered

- ArcGIS overview: Capabilities and applications; Interacting with the interface; Basic display.
- Spatial data concepts: Representing spatial data and descriptive information.
- ArcGIS data model: Geodatabases; Shapefiles; Coverages; Feature types; Attributes.
- GIS software: Components; Functions; Applications.
- Spatial coordinate systems and map projections: Georeferencing data; What map projections are; How ArcMap works with map projections.
- Querying data: Selecting and identifying features; Creating reports and graphs.
- Map displays: Creating; Symbolizing; Scaling; Adding map elements.

The RRPDC is offering this course to the localities at a reduced cost compared to other organizations that are providing the same training so that employees within the localities who are interested in GIS can get professional level training in this topic. The PDC feels it is important to be able to get as many employees trained as possible to ease some of the burden of training for the localities as it relates to GIS. Currently we are providing this training to the localities at the following cost:

Cost of the 2-day ArcGIS I Class:

\$300 for localities within the RRPDC Boundary

\$400 for localities outside the RRPDC Boundary

8:30 am – 5:00 pm each day

Fee includes: GIS training books and refreshments during breaks and up to 10 hours per month of on-line phone help.

Class size is limited to 5 seats per training session and classes fill quickly

If you have any questions or would like a schedule of the available classes please contact:

Michelle E. Fults – GIS Manager
Richmond Regional Planning District Commission
9211 Forest Hill Avenue Suite 200
Richmond, VA 23235
804-323-2033
804-323-2025 (Fax)
mfults@richmondregional.org



ArcGIS I (ESRI Certified) Training Registration Form

Name: _____

Title/Position: _____

Locality: _____

Department/Section: _____

Street/P.O. Address: _____

City: _____ State: _____ Zip: _____

Daytime Phone: _____ Fax: _____

Email address: _____

Registration Fees

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Please make checks payable to **RRPDC**. Our tax ID number is **54-6020697**.

Please note on check that this is for the ArcGIS I Class.

Please Fax Registration Form to Michelle Fults immediately to reserve your spot

Payment must be received 10 days prior to the start of class.

Please send check and registration form to:

Richmond Regional Planning District Commission

9211 Forest Hill Avenue

Suite 200

Richmond, VA 23235

804-323-2033

804-323-2025 (Fax)

Please contact: Michelle Fults, GIS Manager, with any questions at 804-323-2033 or mfalts@richmondregional.org

Level of Computer Skills: ___ Beginner ___ Intermediate ___ Advanced

GIS experience (Y/N): _____

Level of GIS Experience: ___ Beginner ___ Intermediate ___ Advanced

Please include any additional information (i.e., what you hope to learn or specific skills you might want to acquire such as queries, joins, buffering, etc. from the class.)

Classes fill quickly, please call for availability. Check appropriate training session (seating is limited to 5 people)

___ February 21st and 22nd

___ March 4th and 5th

___ March 17th and 18th

___ April 21st and 22nd

___ May 8th and 9th

___ May 22nd and May 23rd

___ June 3rd and 4th

___ June 16th and 17th