

Excel 2003 Advanced

(1 day course)



Course Description

You have used Microsoft® Office Excel 2003 to perform tasks such as running calculations on data and sorting and filtering numeric data. You would now like to automate some common tasks, apply advanced analysis techniques to more complex data sets, collaborate on worksheets with others, and share Excel data with other applications. In this course, you will do all of these things.

Course Objective: You will automate some common Excel tasks, apply advanced analysis techniques to more complex data sets, collaborate on worksheets with others, and share Excel data with other applications.

Target Student: This course was designed for students desiring to gain the skills necessary to create macros, collaborate with others, audit and analyze worksheet data, create PivotTables and PivotCharts, incorporate multiple data sources, and import and export data. In addition, the course is also for students desiring to prepare for the Microsoft Office Specialist exam in Excel 2003 or Module 2-Key Applications of the Internet and Computing Core Certification (IC3) exam, and who already have knowledge of the basics of Excel, including how to create, edit, format, and print worksheets that include charts and sorted and filtered data.

Prerequisites: To ensure your success, we recommend you first take the following Element K courses or have equivalent knowledge:

- Microsoft® Office Excel 2003: Introduction
- Microsoft® Office Excel 2003: Intermediate

Performance-based Objectives

Upon successful completion of this course, students will be able to:

- Customize workbooks.
- Collaborate with others using workbooks.
- Audit worksheets.
- Analyze data.
- Work with multiple workbooks.
- Import and export data.
- Structure workbooks with XML.

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Course Content

Lesson 1: Streamlining Workflow

- Topic 1A: Create a Macro
- Topic 1B: Edit a Macro
- Topic 1C: Customize Access to Excel Commands
- Topic 1D: Apply Conditional Formatting
- Topic 1E: Add Data Validation Criteria
- Topic 1F: Update a Workbook's Properties
- Topic 1G: Modify Excel's Default Settings

Lesson 2: Collaborating with Others

- Topic 2A: Protect Files
- Topic 2B: Share a Workbook
- Topic 2C: Set Revision Tracking
- Topic 2D: Review Tracked Revisions
- Topic 2E: Merge Workbooks
- Topic 2F: Adjust Macro Settings
- Topic 2G: Administer Digital Signatures

Lesson 3: Auditing Worksheets

- Topic 3A: Trace Cell Precedents
- Topic 3B: Trace Cell Dependents
- Topic 3C: Locate Errors in Formulas
- Topic 3D: Locate Invalid Data and Formulas
- Topic 3E: Watch and Evaluate Formulas
- Topic 3F: Group and Outline Data

Lesson 4: Analyzing Data

- Topic 4A: Create a Trendline
- Topic 4B: Create Scenarios
- Topic 4C: Perform What-If Analysis
- Topic 4D: Develop a PivotTable® Report
- Topic 4E: Develop a PivotChart® Report
- Topic 4F: Perform Statistical Analysis with the Analysis ToolPak

Lesson 5: Working with Multiple Workbooks

- Topic 5A: Create a Workspace
- Topic 5B: Consolidate Data
- Topic 5C: Link Cells in Different Workbooks
- Topic 5D: Edit Links

Lesson 6: Importing and Exporting Data

- Topic 6A: Export to Microsoft Word
- Topic 6B: Import a Word Table
- Topic 6C: Import Text Files

Lesson 7: Structuring XML Workbooks

- Topic 7A: Develop XML Maps
- Topic 7B: Import, Add, and Export XML Data
- Topic 7C: Manage XML Workbooks
- Topic 7D: Apply XML View Options

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Hardware Requirements

For this course, you will need one computer for each student and one for the instructor. Each computer will need the following minimum hardware components:

- A 233 MHz Pentium-class processor if you use Windows XP Professional as your operating system. 300 MHz is recommended.
- A 133 MHz Pentium-class processor if you use Windows 2000 Professional as your operating system.
- 128 MB of RAM.
- A 5 GB hard disk or larger if you use Windows XP Professional as your operating system. You should have at least 600 MB free hard-disk space available for the Office installation.
- A 3 GB hard disk or larger if you use Windows 2000 Professional as your operating system. You should have at least 600 MB free hard-disk space available for the Office installation.
- A floppy-disk drive.
- A mouse or other pointing device.
- An 800 x 600 resolution monitor.
- Network cards and cabling for local network access.
- Internet access (see your local network administrator).
- A printer (optional).
- A projection system to display the instructor's computer screen.

Platform Requirements

- Windows

Software Requirements

- Either Windows XP Professional with Service Pack 1, or Windows 2000 Professional with Service Pack 3.
- Microsoft® Office Professional Edition 2003.