



www.compvisions.com  
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# Computer Visions Course Outline

## Get What You Want

We offer highly customizable group training courses: desktop applications, web development, networking & operating systems, technical certification, professional development & skills, help desk.

## Get It When & Where You Want It

All Computer Visions courses are available for presentation on-site or off-site for your convenience. We can roll out any combination of courses at one or more locations anywhere in the United States, according to your requirements and time table. Just let us know and we'll work with you!

## Corporate Training Solutions

Corporations look to us to train their employees. Why? Because our proven training methods have increased employee proficiency and productivity. We assign one person to each of our corporate clients to ensure quality service, and we also offer extranet Web registration, management, reporting and billing for all clients. Simplicity, quality and outstanding service are our hallmarks.

## Consulting Solutions

Consulting is about trust,

## 10961: Automating Administration with Windows PowerShell

### Description:

Learn how with Windows PowerShell 3.0, you can remotely manage single or multiple Windows-based servers and automate day-to-day management and administration tasks.

### Course Outline:

#### Module 1: Getting Started with Windows PowerShell

- Overview and Background
- Finding and Learning Commands
- Running Commands

#### Module 2: Working with the Pipeline

- Understanding the Pipeline
- Selecting, Sorting, and Measuring Objects
- Converting, Exporting, and Importing Objects
- Filtering Objects Out of the Pipeline
- Enumerating Objects in the Pipeline

#### Module 3: Understanding How the Pipeline Works

- Passing Data in the Pipeline by Value
- Passing Data in the Pipeline by Property Name

#### Module 4: Using PSProviders and PSDrives

- Using PSProviders
- Using PSDrives

#### Module 5: Formatting Output

- Using Basic Formatting
- Using Advanced Formatting
- Redirecting Formatted Output

#### Module 6: Querying Management Information by Using WMI and CIM

- Understanding WMI and CIM
- Querying Data with WMI and CIM
- Making Changes by Using WMI and CIM

service and accountability. Our consulting division is one of the fastest-growing around. Why? Clients trust us to provide excellent service and expertise. Visit our consulting section for more information.

#### **Classroom and Computer Rentals**

Need space and equipment to conduct specialized presentations or classes? We can help. With our world class classrooms and state of the art projection and presentation equipment, we take care of the details so you can have a successful presentation.

#### **Module 7: Preparing for Scripting**

- Using Variables
- Scripting Security

#### **Module 8: Moving from a Command to Script to Module**

- Moving from Command to Script
- Moving From Script to Function to Module
- Implementing Basic Error Handling
- Using Basic Scripting Constructs
- Exploring Other Scripting Features

#### **Module 9: Administering Remote Computers**

- Using Basic Remoting
- Using Advanced Remoting Techniques
- Using Remoting Sessions

#### **Module 10: Putting it All Together**

- Provisioning a New Server Core Instance

#### **Module 11: Using Background Jobs and Scheduled Jobs**

- Using Background Jobs
- Using Scheduled Jobs

#### **Module 12: Using Profiles and Advanced PowerShell Techniques**

- Using Advanced PowerShell Techniques
- Creating Profile Scripts
- Working with Alternative Credentials