



[www.compvisions.com](http://www.compvisions.com)

16 Corporate Woods Blvd.  
Albany, NY 12211

# 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

## Application Life Cycle Management Using Visual Studio 2017

### Module 1: Introduction to Visual Studio ALM

- Application Lifecycle Management overview
- Visual Studio ALM tools and features
- Team Foundation Server overview
- Features and capabilities by edition and role

### Module 2: Team Projects

- The Project Administrator role
- Team project collections and team projects
- Creating a team project
- Configuring and managing a team project
- Renaming and deleting a team project

### Module 3: Planning and Managing Work

- Selecting a process
- Work item types, categories, and hierarchies
- Creating and managing work items
- Using tags to categorize work items
- Querying, charting, and reporting work items
- Managing a product backlog and sprint backlog

### Module 4: Version Control

- Git version control system overview
- TFVC version control system overview
- Integration with Visual Studio
- Setting up and configuring version control
- Basic and advanced workflows
- Branching and merging
- Managing and resolving conflicts

### Module 5: Collaborating as a Team

- Using the My Work window
- Suspending and resuming work
- Shelving and unshelving changes
- Reviewing code in Visual Studio
- Providing feedback using the Feedback Client

### Module 6: Writing Quality Code

- Identifying and reducing technical debt
- Unit testing and code coverage
- Using IntelliTest to generate unit tests
- Using Live Unit Testing to run impacted tests
- Test-Driven Development (TDD) overview
- Code analysis and code metrics
- Code clone analysis
- Application profiling
- IntelliTrace
- CodeLens

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, 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: Testing Application**

- Visual Studio test types
- Test case management
- Manual tests
- Coded UI tests
- Web performance tests
- Load tests
- Exploratory tests

### **Module 8: Build Automation**

- Team Build overview
- Build agents and types of builds
- Creating and managing a build definition
- Monitoring and managing a build
- Running tests as part of the build
- Continuous Integration (CI)

### **Module 9: Release Automation**

- Release Management overview
- DevOps overview and goals
- Improving delivery frequency
- Configuring environments and release definitions
- Creating and deploying a release
- Continuous Delivery (CD)