



## Software Test Automation Courses

This certificate program gives you a hands-on education in the processes and programming skills needed to excel in software test automation. The following courses are required for the certificate:

### Programming Concepts in C# for Testers

The foundation for developing automated test cases, this course introduces computer programming concepts and terminology using C# as a programming language. Topics include basic algorithm design, data types, assignment operators, arithmetic operators, relational operators, equality operators, and decision and looping structures. Develop skills in designing algorithms using C#, writing code, and debugging errors to solve simple problems with console applications.

### Essential Elements of Automated Test Design

Learn to write effective automated test scripts based on functional test cases in C#. The focus is automating legacy Win32 applications at the integration and system level using C# classes to manipulate an application under test, generate, apply, and manipulate data, verify machine states, and log results and events. Learn about test automation costs, successful automation strategies, and automated test case organization and frameworks.

### Advanced Automated Test Design in .NET

.NET The primary focus in this course is on automating .NET applications and web pages at the integration and system level using C# classes to manipulate an application under test, generate, apply, and manipulate data, verify machine states, and log results and events.

## About UW Extension

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## About UW Certificate Programs

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## Learn more about the program

For complete details, visit the Web site:

 [WWW.EXTENSION.WASHINGTON.EDU](http://WWW.EXTENSION.WASHINGTON.EDU)

### Attend an information meeting.

Interested in a certificate? You can ask questions and meet instructors and former students at these free meetings. For meeting dates, times and locations, please go to our Web site.

## Questions? Ask away

Give us a call:

 206.685.8936 OR 1.888.469.6499

Send us an email:

 [EXTNADVISING@EXTN.WASHINGTON.EDU](mailto:EXTNADVISING@EXTN.WASHINGTON.EDU)

## Apply or register today

Call UW Extension:

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This program is brought to you by UW Extension, a community gateway to the University of Washington.