CERTIFIED SCRUM DEVELOPER (CSD)

Course Code: 2508

Learn test-driven development, continuous integration, refactoring, and emergent design for Agile technical excellence.

After teams have been exposed to the principles of Scrum, they are left wondering about the more technical aspects of software development and delivery and how these areas fit into an iterative approach. This course extends important Scrum principles to their logical applications in several technical, foundational areas of software development.

Borrowing from a variety of Agile disciplines, the course will introduce and explain a wide range of available tools and techniques that can offer team flexibility in their Agile approach. Each subject area is accompanied by real-world examples of how they have been used in the past and the success criteria for each instance.

Based on the understanding that theory and principles solidify into practices and habits through experience, the course is comprised of numerous hands-on exercises that demonstrate the use and benefit of each practice area and technique. You will not only understand the mechanics of each technique, but you will also participate in the discovery and discussion of how to ensure the creation of value in your organization.

The goal of this workshop is to put to use what you learned through books and lectures to determine how to utilize that knowledge, including how to ensure that your team is improving over time. With this proven approach, you will leave the class with practical knowledge and a clear roadmap for your team's success.

What You'll Learn

- Implement test-driven development to minimize the possibility of defects reaching the production environment
- Develop the correct technique for continuously integrating your newly developed code into the existing code base
- Apply Agile and Scrum principles and best practices to form the best mix for your team's success
- Different approach to Agile architecture and design that supports a more incremental and emergent project
- Transform your development processes to reflect the most efficient approach given your organization's constraints

- Pitfalls that poorly disciplined Agile teams fall into, contributing to failed Agile adoption and implementation attempts
- How to adopt Agile practices effectively within the context of your existing software development framework
- Utilize refactoring to ensure a longer lifespan of your software
- Gain practice in organizing your group into a self-managed team
- Develop the correct technique for continuously integrating your newly developed code into the existing code base
- Conduct exercises in a real-world Agile development unit and see first hand how the roles mingle together to get the work done through collaboration
- Discover how continuous, incremental improvement will allow your team to continue growing long after the conclusion of the course
- Using Scrum as the backdrop, acquire techniques for successfully scaling Agile across your teams and the enterprise
- Using the provided working examples of code, dive into Agile Engineering practices no matter what development framework you use.
- How the appropriate level of planning will reduce rework and waste in your architecture designs
- Pattern of behavior for Agile engineering excellence: You will not get lost in the code
- How to adapt from a plan-driven approach to continuous planning, starting with the inclusion of actual velocity-driven aspects into your planning, scheduling, and tracking
- Coaching and communicating skills of a ScrumMaster and the differences between what a ScrumMaster does compared to a traditional Project Manager
- Run multiple iterations using real-life scenarios
- Make your first hands-on experience with Agile a classroom experience not a production experience

Who Needs to Attend

business and technical product analysts, project managers, software engineers/programmers, development and project managers, product managers and analysts, QA engineers

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VIRTUAL CLASSROOM LIVE	$1,034 CAD	2 Day

Jul 21 - 22, 2025 | 10:00 AM - 6:00 PM EDT

Nov 17 - 18, 2025 | 9:00 AM - 5:00 PM EST

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PRIVATE GROUP TRAINING	2 Day

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