

SAFe® Agile Software Engineering with ASE Certification

***Enabling Technical Agility for the Lean Enterprise
With SAFe® 5 Agile Software Engineer (ASE) Certification
Based on version 5.0 of SAFe***

The introduction of Lean-Agile and DevOps principles and practices into software engineering has sparked new skills and approaches that help organizations deliver higher-quality, software-centric solutions faster and more predictably.

This 3-day, workshop-oriented course explores foundational principles and practices and how continuous flow of value delivery and built-in quality are enabled by XP technical practices, Behavioral-Driven Development (BDD), and Test-Driven Development (TDD). Attendees will learn proven practices to detail, model, design, implement, verify, and validate stories in a SAFe Continuous Delivery Pipeline, as well as the practices that build quality into code and designs. Attendees will also explore how software engineering fits into the larger solution context and understand their role in collaborating on intentional architecture and DevOps.

Who Will Benefit?

This course is for the technical members of an Agile Team—developers and testers. Product Owners, Scrum Masters, Managers, and others with a less technical background would also benefit and gain an understanding of the development process for a more effective team collaboration.

Learning Goals

To perform the role of a SAFe Agile Software Engineer, attendees should be able to:

- Define Agile Software Engineering and the underlying values, principles, and practices
- Apply the Test-First principle to create alignment between tests and requirements
- Create shared understanding with Behavior-Driven Development (BDD)
- Communicate with Agile modeling
- Design from context for testability
- Build applications with code and design quality
- Utilize the test infrastructure for automated testing
- Collaborate on intentional architecture and emergent design
- Apply Lean-Agile principles to optimize the flow of value
- Create an Agile Software Engineering Plan

Topics Covered

- Introduction to Agile Software Engineering
- Connecting principles and practices to built-in quality
- Accelerating flow

- Applying intentional architecture
- Thinking Test First
- Discovering story details
- Creating a shared understanding with Behavior-Driven Development (BDD)
- Communicating with models
- Building systems with code quality
- Building systems with design quality
- Implementing with quality

Recommended Prerequisites

All are welcome to attend the course, regardless of experience. However, meeting the following prerequisites will make the training more productive.

- Understanding of SAFe for Teams
- Background in engineering, development, managing development, or quality assurance

What Attendees Get

The class registration includes:

- Student Workbook
- Preparation and eligibility to take the ASE exam
- One-year membership to the SAFe Community Platform
- Certification of completion
- SAFe Agile Software Engineering Practitioner certification upon passing of exam
- One Certification exam attempt (re-takes at an additional fee)

SAFe Certification Kit

Attendees who pass the certification exam will receive:

- Certified SAFe® 5 Agile Software Engineer PDF certificate
- A SAFe® 5 Agile Software Engineer digital badge to promote your accomplishment online
- One-year membership to the SAFe Community Platform, which includes access to the ASE Community of Practice
- Access to Meetup groups and events that connect you with other certified SAFe professionals
- A variety of learning resources to support you during your SAFe journey

Annual Renewal

Certifications expire one year from the date certification is earned.

- Renewal fee: \$295

Exam Details

- Name: SAFe® 5 Agile Software Engineer Exam
- Format: Multiple Choice; Multiple select
- Delivery: Web-based (single-browser), closed book, no outside assistance, timed
- Access: Candidates can access the exam within the SAFe Community Platform upon completion of the SAFe® 5 Agile Software Engineering course
- Duration: Once the exam begins, candidates have 120 minutes (2.0 hours) to complete the exam
- Number of Questions: 60
- Passing Score: 42 out of 60 (70% passing score)
- Language – English
- Exam cost – First exam attempt is included as part of the course registration fee if the exam is taken within 30 days of course completion. Each retake attempt costs \$50.
- Retake policy – Second attempt on exam (first retake) can be done immediately after first attempt. Third attempt requires a 10-day wait. Fourth attempt requires a 30-day wait. Contact support@scaledagile.com for any retake questions.