



## Scrum Master - Lean Champion Certification (SM-LCC)<sup>™</sup>

### Course of Study

The Management and Strategy Institute's innovative Scrum Master Certification covers a lot more than just Scrum. That's because businesses today use many different project management tools simultaneously to improve their organizations. One week you could be a Scrum Master, leading sequential sprints for business development. The next week you could be a Six Sigma Champion, coordinating between company stakeholders and a Six Sigma Black Belt. Whatever the scenario, you'll be prepared when you achieve the **Scrum Master - Lean Champion Certified (SM-LCC)** from MSI.

MSI has combined the most important elements of Agile, Scrum, and Lean Six Sigma into one advanced certification. You'll learn to lead projects from multiple disciplines and help your organization provide new products and services.

The goal of the Management and Strategy Institute is to teach you the key competencies required to function in the role of a Scrum Master and Project Champion. These competencies are determined by following the generally accepted practices (GAP) of leading body's of knowledge within the industry. As you go through the training material you will learn the competencies listed below.

The SM-LCC exam is a timed, online exam issued at the completion of the training material. It has a required passing score of 70%.

## Competencies

This program covers the following competencies:

### ***Agile Project Management***

- Agile refers to an iterative, incremental method of managing the design and build activities of engineering, information technology and other business areas that aim to provide new product or service development.
  - Learning Outcome: The student will be able to define Agile.

### ***Agile Manifesto - 4 Key Values***

- The Manifesto for Agile Software Development, is a formal proclamation of 4 key values and 12 principles.
  - Learning Outcome: The student will understand the Agile Manifesto and the 4 key values.

### ***Agile Manifesto - 12 principles***

- 12 principles to guide an iterative and people-centric approach to software development.
  - Learning Outcome: The student will understand the Agile Manifesto and the 12 principles.

### ***Scrum Development***

- “Scrum” is a formal project management/product development methodology and part of agile project management..
  - Learning Outcome: The student will understand basic scrum development overview.

### ***Scrum Roles***

- Scrum methodology defines several major roles.
  - Learning Outcome: The student will understand Product owners, Scrum Master, and Development team.

### ***Scrum Events***

- The Sprint is a container for all other events. Each event in Scrum is a formal opportunity to inspect and adapt Scrum artifacts.
  - Learning Outcome: The student will learn about Sprints.

### ***Sprint Planning***

- Sprint Planning initiates the Sprint by laying out the work to be performed for the Sprint.
  - Learning Outcome: The student will learn about Sprint planning.

### ***Daily Scrum***

- The purpose of the Daily Scrum is to inspect progress toward the Sprint Goal and adapt the Sprint Backlog as necessary, adjusting the upcoming planned work.
  - Learning Outcome: The student will learn about Daily Scrum events.

### ***Sprint Review***

- The purpose of the Sprint Review is to inspect the outcome of the Sprint and determine future adaptations.
  - Learning Outcome: The student will learn how sprint reviews are conducted.

### ***Sprint Retrospective***

- The purpose of the Sprint Retrospective is to plan ways to increase quality and effectiveness.
  - Learning Outcome: The student will learn about sprint retrospective.

### ***Scrum Artifacts***

- Scrum's artifacts represent work or value.
  - Learning Outcome: The student will learn that each artifact contains a commitment to ensure it provides information that enhances transparency and focus against which progress can be measured.

### ***Product Backlog***

- The Product Backlog is an emergent, ordered list of what is needed to improve the product.
  - Learning Outcome: The student will learn the concept of product backlog.

### ***Sprint Backlog***

- The Sprint Backlog is composed of the Sprint Goal (why), the set of Product Backlog items selected for the Sprint (what), as well as an actionable plan for delivering the Increment (how).
  - Learning Outcome: The student will learn the concept of sprint backlog.

### ***Increment***

- An Increment is a concrete stepping stone toward the Product Goal.
  - Learning Outcome: The student will learn the concept of increment.

### ***The Project Management Office***

- Many large and even medium-sized organizations have created a department to oversee and support projects throughout the organization.
  - Learning Outcome: The student will learn about PMO's.

### ***Six Sigma Champion***

- Why is Six Sigma used in business, and where did it come from.
  - Learning Outcome: Define the role of the Six Sigma Champion

### ***Translating the Mission***

- The Champion must be someone within the company who understands the mission and direction of that company.
  - Learning Outcome: Learn to translate the Six Sigma project in a way that follows the company mission.

### ***Business and Operations Interface***

- The Champion is tasked with developing the solutions for improving company value that meets business strategies and creates customer value.
  - Learning Outcome: Learn to reduce defects, improve return on investment, and improve customer satisfaction.

### ***Project selection***

- Champions assign Six Sigma projects to the green belt or black belt assigned to the project. They are also responsible for aligning each project with the core business strategies of the company.
  - Learning Outcome: Learn to select the right Six Sigma project.

# Learning Resources

## **Recommended:**

Material included with your purchase is recommended reading.

- Free online training material provided by MSI. The material includes everything you will need to learn to pass the exam. This material is included for free with the purchase of your exam. It is in digital form, and available immediately after payment.

## **Optional:**

This material is not required, however it will assist you in becoming Scrum Master – Lean Champion Certified.

- Jeremy Wilson (Feb 2017), Scrum for Newbies, ISBN-13: 978-1542956475
- Rath & Strong, Inc (January 15, 2003), Rath & Strong's Six Sigma Champions Pocket Guide, ISBN-13: 978-0970507938

# Preparing for Success

In order to successfully complete the SM-LCC exam, you will need to make sure you have the appropriate resources to support your learning.

- A quiet location, free from distraction.
- Internet access.
- Current (newest) version of Internet Explorer, Firefox, or Chrome browser.
- Take study notes while going through the training.
- When you are ready to take the exam, you should allot 2-hours of time.

# Frequently Asked Questions

## What happens if I fail the exam?

- You are given two additional attempts to pass the exam at no additional cost.

## Will I receive a physical certificate in the mail?

- Yes, MSI will mail you a certificate suitable for framing as well as transcripts.

## Will I receive Professional Competency Units (PCU's)?

- Yes, the exam awards 10 PCU's upon passing of the exam.