

Lean
Construction
Institute

LEAN CERTIFICATION

**People are getting certified.
You can too!**

Benefits of Certification?

- ✓ Lean Construction Certification, LCI-CPC sets the standards for consistent understanding of Lean Construction methods and tools.
- ✓ To give owners a way to distinguish practitioners with real Lean experience

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As an owner, when I’m reviewing proposals and making team selections, I look for differentiators that add value to our team, our project, and our goals.

-Victoria Navarro System Vice President,
Design & Construction, AdventHealth

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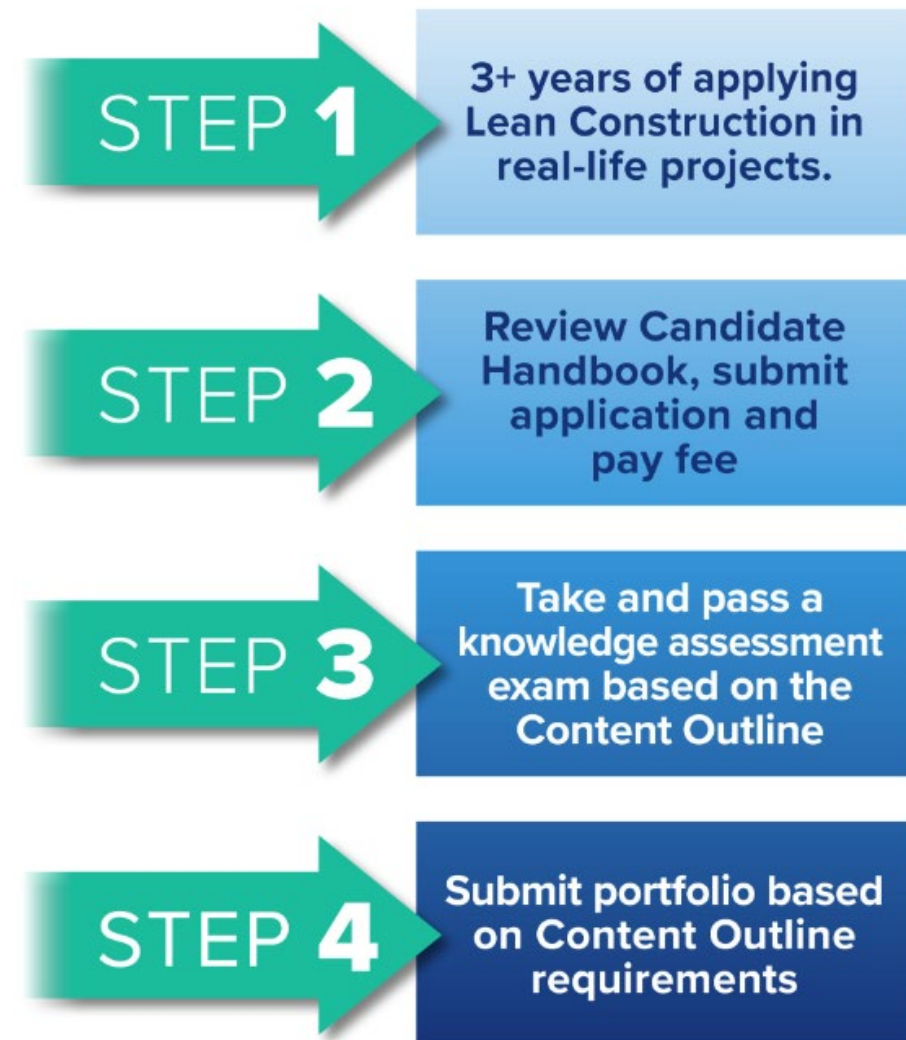
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The LCI-CPC is the differentiator our industry needs. It’s already added value to me personally, and I know it will be a game-changer for owners committed to building a Lean future.

—John Bennett, Vice President of Design and Construction and
Facility Management for Lehigh Valley Health Network

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Steps to Certification



STEP 1

Verify Experience

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Anyone who has a Lean mindset and is familiar with core LCI programs like Last Planner System® and how to apply this to real world situations should be ready to pursue the credential.

-Leandris Weeden, LCI-CPC
Lean Advocate, Layton Construction Company

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Requirements for voluntary certification:

- ✓ 3+ years equivalent in Lean Construction (2080 hours per year)
- ✓ Two references to validate your experience
- ✓ Agree to comply with the Certification Code of Conduct

STEP

2

Apply

- ✓ Submit the online application within the LCI's certification management system Prolydian.
- ✓ Pay Application Fee

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“The LCI-CPC certification is a thorough assessment of Lean knowledge and capabilities; I highly recommend it.”

-Leandris Weeden, LCI-CPC Lean Advocate,
Layton Construction Company

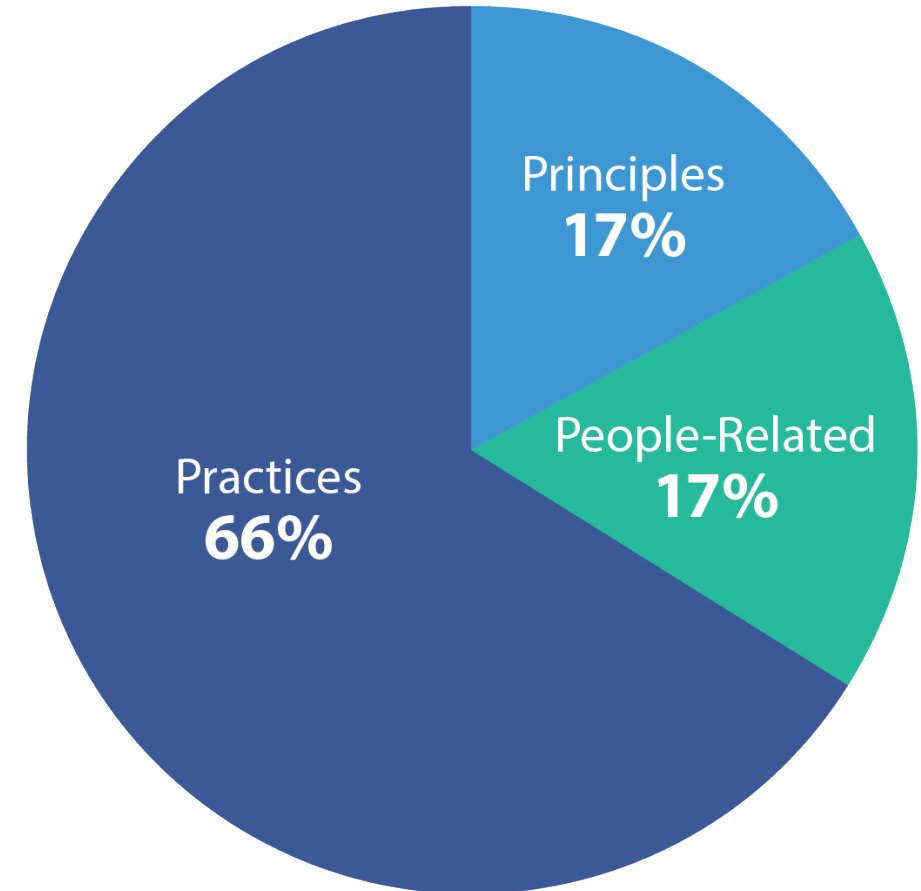
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STEP 3

Take Exam

The LCI Knowledge Assessment:

- ✓ Computer-based exam composed of 150 multiple-choice questions administered in one session



STEP 3

Before the Test

- Give yourself time to develop your study plan based on the LCI-CPC Knowledge Assessment Content Outline
 - Watch the LCI-CPC certification overview webinar
 - Take a practice quiz online to get comfortable answering these types of questions
 - Review LCI's Key Refresher Resources in the LCI-CPC Handbook
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- LCI Transforming Design & Construction book
 - LCI Target Value Delivery book
 - Last Planner System® Standard Work Guidelines
 - leanconstruction.org/member-hub/last-planner-standard-work/
- Lean Topics on LCI website
 - Lean Videos on LCI website
 - Field Crew Huddle Videos
 - LCI eLearning
 - leanconstruction.org/learning/e-learning/

STEP 4

Capabilities Assessment

- ✓ Upon passing the knowledge assessment, potential certificants will be required to submit a portfolio (compilation of work products, Practitioner references, etc.)
- ✓ This is a chance to show what you know – make it complete and give in-depth answers

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I decided a goal to complete the LCI-CPC certification. I did one prompt a day and completed it in two weeks.

-LCI-CPC Test-taker

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STEP 4

Capabilities Assessment

Section 1 – Candidate must complete all seven prompts:

Prompt #	Prompt Name
1	Milestone planning – Part 1 and 2
2	Phase pull planning – Part 1 and 2
3	Lookahead planning – Part 1 and 2
4	Weekly work planning – Part 1 and 2
5	Learning / Improving: Daily huddles – Part 1 and 2
6	Learning / Improving: Percent plan complete – Part 1 and 2
7	Learning / Improving: Variance management – Part 1 and 2

STEP 4

Capabilities Assessment

Section 2 – Candidate must complete four of seven prompts:

Prompt #	Prompt Name
8	Visual management – Part 1 and 2
9	Risk / Opportunity management – Part 1 and 2
10	Problem solving using A3 – Part 1 and 2
11	Root cause analysis / Five why – Part 1 and 2
12	Process mapping – Part 1 and 2
13	Conduct gemba walks – Part 1 and 2
14	5S Implementation – Part 1 and 2

STEP 4

Example Questions Capabilities Assessment

Milestone Planning (Prompt 1)

Question	Grade
1a. Describe the key goals for milestone planning.	
1b. Describe the actions taken to prepare for the milestone planning session.	
1c. Describe who was involved in the session.	
1d. Describe when in the process the milestone planning session was held and the logic for the timing.	
1e. Describe how the term milestone was defined and how the milestones were identified and characterized.	
1f. Describe the impact of the milestone plan for the project.	
1g. Describe how the plan was used moving forward.	
1h. Include milestone planning artifact (materials submitted). Example of a portion or full milestone plan you worked on (i.e., readable picture of plan on wall, digital plan, screen shot, etc.) photos of the team in action during the planning session, photos indicating visual use of milestones	
Total for Prompt 1, Part 1	SCORE

STEP 4

Example Questions

Milestone Planning (Prompt 1)

Part 2

Identify how three of the six tenets relate and briefly describe how your team supported the behaviors to create the Lean culture for each of the three.

- Tenet 1: Respect for people
- Tenet 2: Optimize the whole
- Tenet 3: Generate value
- Tenet 4: Eliminate waste
- Tenet 5: Focus on flow
- Tenet 6: Continuous improvement

“

I spent a few hours each day over the course of 3-4 days completing the capability assessment.

-Leandris Weeden, LCI-CPC
Lean Advocate,
Layton Construction Company

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STEP 4

Use the Capabilities Scoring to Plan Your Response

The scoring scale for all Part 1 prompts will be as follows:

0	1	2	3	4
Does not answer question; Answer does not correctly apply	Identifies correct answer but offers no or incorrect description	Identifies correct answer and offers minimally satisfactory description	Identifies correct answers and offers competent description	Identifies correct answers and offers exemplary description that exceeds expectations

The scoring scale for all Part 2 prompts will be as follows:

0	1	2	3	4
Does not answer question; Answer applies completely incorrect tenets / behaviors	Identifies how three relate but offers no or incorrect description and supporting behaviors	Identifies how three relate but offers minimally satisfactory description and supporting behaviors	Identifies how three tenets relate and offers competent description and supporting behaviors	Identifies how three tenets relate and offers exemplary description and supporting behaviors that exceeds expectations

Handbook

**Download the Handbook for
more exam information,
practice questions and
FAQs.**



Certification Awarded



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I chose the LCI-CP Certification to validate my own lean experience and motivate others to separate themselves from the pack.”

—Raymond Lota, LCI-CPC
Director of Construction Management,
Kaiser Permanente

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Although the process is rigorous and intense, the achievement is rewarding. The LCI-CPC validates Lean expertise and is proof that we are changing the industry.

—Emily Lowe, LCI-CPC, CM-Lean, is the Enterprise Lean Champion within the Innovation Department of the Butz Family of Companies

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Webinar: First-Hand Perspective on Certification From LCI-CPCs

Panelists: Leandris Weeden, Raymond Lota, Jeremy Atkinson, and Emily Lowe

Date: November 17th

Time: 1:00 – 2:30 pm

Objectives of this webinar:

1. Understand the role of LCI-CPC certification in Lean construction
2. Discuss why the LCI-CPC is important for owners
3. Learn about the benefits of LCI-CPC for practitioners
4. Q&A

QUESTIONS:

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Kristin Hill
Director, Education & Certification



Ilene Goldberg
Manager, Strategic Partnerships

