

## ACI Post-Installed Concrete Anchor Installation Inspector Certification

*Presented by the Las Vegas Chapter of the American Concrete Institute.*

*Questions about ACI certifications or examinations can be answered by Las Vegas Chapter ACI at [acilasvegas@outlook.com](mailto:acilasvegas@outlook.com) or 702.656.8827.*



### ACI Post-Installed Concrete Anchor Installation Inspector Review Seminar

Session ID: [MO401]

Date/Time: Monday, January 20 | 8:00 am - 12:00 pm

Seminar Cost: \$265; \$295 after 12/12/24

CEH: 4.0 continuing education hours approved for AIA/CES LU | HSW, PDH, TCA

The ACI Post-Installed Concrete Anchor Installation Inspector certification program is designed to reflect minimum qualification requirements for INSPECTORS related to installation of post-installed adhesive, mechanical anchors, and screw anchors in concrete. Changes implemented to ACI 318-19, Structural Concrete Building Code, now require anyone inspecting the installation of adhesive and mechanical anchors in concrete be ACI certified. This review will highlight information the Inspector must understand including responsibilities and qualifications requirements of the Installer, inspection requirements as cited in the documents governing the construction of the project, and the process governing the qualification of anchor systems.

To become certified as an ACI Post-Installed Concrete Anchor Installation Inspector (formerly Adhesive Anchor Installation Inspector) candidates must pass a written examination and view a demonstration video.

#### **Learning Objectives:**

- Describe knowledge and skills required to properly install post installed concrete anchor systems
- Identify field practices and environmental factors affecting installation quality
- Recognize importance of proper installation procedures
- List inspection requirements as per ACI 318-14 and 2015 IBC
- Summarize requirements of adhesive anchors as per ACI 355.4 and ICC-ES Evaluation Report
- Summarize requirements of mechanical anchors and screws as per ACI 355.2 ICC-ES Evaluation Report

**Reference package for ACI Post-Installed Concrete Anchor Installation certification is included when registering for written exam TUAIW. 'Seminar Only' attendees not registered for the written exam can purchase a copy of CP-81 reference package at the review seminar to serve as a handout.**

### ACI Post-Installed Concrete Anchor Installation Inspector Written Examination

Session ID: [TUAIW]

Date/Time: Tuesday, January 21 | 8:00 am - 11:30 am

Exam Cost: \$555 (includes reference package) \*

The 2-hour and 45-minute written exam is combination open/closed book exam based on the CP-81 reference package included with exam fee and delivered\* to candidates prior to the show. The 45-minute installation exam is closed book and consists of approx. 45 multiple-choice questions; two-hour inspection exam is open book consisting of approximately 90 multiple-choice questions.

*\* Reference materials mailed to domestic addresses when attendee registers a minimum of two weeks prior to the show. Examinees from outside the United States can pay separately to have reference package shipped or arrange to pick up onsite at the show.*

**CANCELLATION: \$180 non-refundable fee** if examinee cancels registration for **TUAIW** written exam.

**IMPORTANT:** Separate registration & fees needed for review seminar **MO401** Monday 8 am – 12 pm and written exam **TUAIW** Tuesday 8 am – 11:30 am.

**ACI Specialty Commercial/Industrial Concrete Flatwork Finisher & Technician Certification**

*Presented by the Las Vegas Chapter of the American Concrete Institute.*

*Questions about the flatwork certification, examination or required work experience can be answered by Las Vegas Chapter ACI at [acilasvegas@outlook.com](mailto:acilasvegas@outlook.com) or 702.656.8827.*

**ACI Specialty Commercial/Industrial Concrete Flatwork Finisher Review Seminar**

Session ID: [MO404]

Date/Time: Monday, January 20 | 1:00 pm - 5:00 pm

Seminar Cost: \$265; \$295 after 12/12/24

CEH: 4.0 continuing education hours approved for AIA/CES LU | HSW, PDH, TCA



This program is designed to prepare ACI-Certified Advanced Concrete Flatwork Finishers (also known as ACI Concrete Flatwork Finisher/Technician) with experience in commercial/industrial flatwork and have competency in operating a ride-on power trowel and using a highway straightedge (bump cutter). This review seminar will cover commercial/industrial slab construction and techniques for high-tolerance floors.

**Learning Objectives:**

- Identify skills needed to become a *Certified Specialty Commercial/Industrial Concrete Flatwork Finisher*
- Examine slab construction technology
- Describe techniques for high tolerance floors, surface hardeners and silica fume concrete
- Summarize certification process, requirements and preparation needed for examinations

**Workbook ACI-CO11(08) for the ACI Specialty Commercial/Industrial Finisher certification is included when registering for written exam TUCIF. 'Seminar Only' attendees not registered for the exam can purchase workbook ACI CO-11(08) for \$90 at the review seminar to serve as a supplemental handout for the seminar.**

**ACI Specialty Commercial/Industrial Concrete Flatwork Finisher Performance Examination**

Session ID: [TUFPE]

Date/Time: Tuesday, January 21 | 7:00 am - 1:00 pm

Exam Cost: \$350

**PREREQUISITE:** Attendees are required to be ACI Certified Advanced Concrete Flatwork Finishers with experience and competency in operating a ride-on power trowel and using a highway straightedge (bump cutter) to participate in this performance examination.

Attendees will be evaluated on their ability to place, strike-off, and finish a high tolerance superflat slab. ACI-Certified Advanced Concrete Flatwork Finishers that successfully pass the written exam, performance exam, and provide verification of work experience, will be issued certification as an ACI Specialty Commercial/Industrial Concrete Flatwork Finisher & Technician.

**NOTE:** Limited number of hands-on performance examination allotments are available, so register early! Registered participants must be present for the entire performance examination.

**IMPORTANT:** ACI Las Vegas will provide all powered and hand tools needed for the performance exam plus safety equipment - it is required that participants wear work boots.

**CANCELLATION:** \$100 non-refundable fee if examinee cancels registration for TUFPE performance exam.

**IMPORTANT:** Separate registration & fees needed for review seminar [MO404] Monday 1:00 pm – 5:00 pm, performance exam [TUFPE] Tuesday 7:00 am – 1:00 pm, and written exam [TUCIF] Tuesday 3:30 pm – 5:30 pm.

### ACI Specialty Commercial/Industrial Concrete Flatwork Finisher Written Examination

Session ID: [TUCIF]

Date/Time: Tuesday, January 21 | 3:30 pm - 5:30 pm

Exam Cost: \$350 (includes workbook) \*\*

The closed-book, two-hour written exam consisting of 80 multiple-choice questions is based on the ACI CP-11(08) workbook included with exam fee and mailed to candidates prior to the show.\* Participants who score 70% or above will be certified as an **ACI Specialty Commercial/Industrial Concrete Flatwork Technician**. This written exam will satisfy Specialty Commercial/Industrial Concrete Flatwork Associate recertification need. To recertify as a Specialty Commercial/Industrial Concrete Flatwork Finisher you must take both the written and performance exam.

Participants can upgrade to full Specialty Commercial/Industrial Concrete Flatwork Finisher & Technician status upon successful passing of the written exam, performance exam, meeting the requirements of certification as an ACI Advanced Concrete Flatwork Finisher, and submittal/approval of 2,000 hours work experience specific to commercial/industrial concrete flatwork finishing.

**CANCELLATION:** \$100 non-refundable fee if examinee cancels registration for TUCIF written exam.

*\*\* Reference materials mailed to domestic addresses when attendee registers a minimum of two weeks prior to the show. Examinees from outside the United States can pay separately to have a reference package shipped or arrange to pick one up onsite at the show.*

**IMPORTANT:** Separate registration & fees needed for review seminar [MO404] Monday 1:00 pm – 5:00 pm, performance exam [TUFPE] Tuesday 7:00 am – 1:00 pm, and written exam [TUCIF] Tuesday 3:30 pm – 5:30 pm.

### **ACI Decorative Concrete Flatwork Finisher & Associate Certification**

*Presented by the Las Vegas Chapter of the American Concrete Institute.*

*Questions about ACI certifications or examinations can be answered by Las Vegas Chapter ACI at [acilasvegas@outlook.com](mailto:acilasvegas@outlook.com) or 702.656.8827.*



### ACI Decorative Concrete Flatwork Finisher Certification Review

Session ID: [MO405]

Date/Time: Monday, January 20 | 1:00 pm - 5:00 pm

Seminar Cost: \$265; \$295 after 12/12/24

CEH: 4.0 continuing education hours approved for AIA/CES LU | HSW, PDH

This review seminar covers topics pertaining to decorative concrete: safety, subgrade/base requirements, formwork, coloring, stamping, exposed finishes, stairs, and cleaning/sealing applications. **The ACI Decorative Concrete Flatwork Finisher and Associate** certification program is designed to provide a credential to concrete finishers who possess a command of essential knowledge specific to those working in the decorative concrete industry.

#### **Learning Objectives:**

- Summarize basic concepts specific to decorative concrete
- Review proper safety and importance of ADA requirements
- Discuss some of the best practices for each of the decorative concrete topics
- Clarify certification process, requirements, and preparation needed for the written exam

**ACI publication CSS-5(16) is included when registering for the written exam TUDCW. 'Seminar Only' attendees not registered for the written exam can purchase a copy of CSS-5(16) at the review session to serve as a supplemental handout for the seminar.**

## ACI Decorative Concrete Flatwork Finisher Written Examination

Session ID: [TUDCW]

Date/Time: Tuesday, January 21 | 1:00 pm - 3:00 pm

Exam Cost: \$450 (includes workbook) \*\*

**PREREQUISITE for Written Exam:** Attendees are required to be a certified ACI Concrete Flatwork Associate or ACI Advanced Concrete Flatwork Finisher to participate in this examination.

The closed-book, two-hour written examination consists of approximately 50 multiple-choice questions and is based on specific points of knowledge included in ACI's online [Job Task Analysis](#) for the decorative concrete flatwork finisher. Technical reference material CSS-5(16) and digital download of CP-12 are included with TUDCW written exam registration.

Participants who are currently certified as an ACI Concrete Flatwork Associate and score 70% or above will receive the Decorative Concrete Flatwork Associate certification. Participants who are ACI Advanced Concrete Flatwork Finisher certified and score 70% or above and possess 1,500 hours of on-the-job placing and finishing work experience, including minimum of 250 hours in EACH of the following areas of decorative concrete flatwork placing and finishing: coloring, stamping, exposed finishes, and stairs; and a minimum of 40 hours in cleaning and sealing, will receive the Decorative Concrete Flatwork Finisher certification.

*\*\* Reference materials mailed to domestic addresses when attendee registers a minimum of two weeks prior to the show. Examinees from outside the United States can pay separately to have a reference package shipped or arrange to pick one up onsite at the show.*

**CANCELLATION:** \$75 non-refundable fee if examinee cancels registration for TUDCW written exam.

**IMPORTANT:** Separate registration & fees needed for review seminar **MO405** Monday 1:00 pm – 5:00 pm and written exam **TUDCW** Tuesday 1:00 pm – 3:00 pm.

## **ACI Concrete Field Testing Technician – Grade I Certification**

*Presented by the Las Vegas Chapter of the American Concrete Institute.*

*Questions about ACI certifications or examinations can be answered by Las Vegas Chapter ACI at [acilasvegas@outlook.com](mailto:acilasvegas@outlook.com) or 702.656.8827.*



## ACI Concrete Field Testing Technician - Grade I Review Seminar

Session ID: [TU408]

Date/Time: Tuesday, January 21 | 1:00 pm - 5:00 pm

Seminar Cost: \$265; \$295 after 12/12/24

CEH: 4.0 continuing education hours approved for AIA/CES LU|HSW, PDH, TCA

This review seminar will provide an overview of the seven ASTM field tests for ready-mixed concrete included in the ACI Concrete Field-Testing Technician – Grade I certification program. Participants will review testing procedures and why they are critical in providing accurate and reliable testing results. To certify as a **Concrete Field-Testing Technician - Grade I**, candidates must pass a written exam and hands-on performance exam.

### **Learning Objectives:**

- Outline requirements of the ACI Concrete Field-Testing Technician - Grade I program
- Explain how to properly conduct field tests on freshly mixed concrete
- Describe how proper procedures result in accurate and reliable results
- Examine seven ASTM test methods and best practices:
  - C1064/C1064M Temperature of Freshly Mixed Hydraulic-Cement Concrete
  - C172 Sampling Freshly Mixed Concrete
  - C143/C143M Slump of Hydraulic-Cement Concrete
  - C138/C138M Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete
  - C231 Air Content of Freshly Mixed Concrete by the Pressure Method

- C173/C173M Air Content of Freshly Mixed Concrete by the Volumetric Method
- C31/C31M Making and Curing Concrete Test Specimens in the Field

**ACI publication CP-1 40th Edition is included when registering for the performance exam THFTP. 'Seminar Only' attendees not registered for the performance exam can purchase a copy of CP-1 at the review session to serve as a supplemental handout for the seminar.**

### ACI Concrete Field Testing Technician – Grade I Written Examination

Session ID: [WEFTW]

Date/Time: Wednesday, January 22 | 3:30 pm – 5:00 pm

Exam Cost: \$275

One-hour, closed-book written exam consisting of 55 multiple-choice and true-false questions based on ACI publication CP-1 40<sup>th</sup> Edition is included with THFTP performance exam registration. To certify as a *Concrete Field-Testing Technician Grade I*, candidates must pass both written exam WEFTW and performance exam THFTP.

### ACI Concrete Field Testing Technician – Grade I Performance Examination

Session ID: [THFTP]

Date/Time: Thursday, January 23 | 8:00 am – 2:30 pm (select preferred 2-hr time slot)

Location: LVCC Outdoor ACI Certification Area

Exam Cost: \$345 (includes workbook) \*

Field Testing hands-on performance exam requires examinee to properly perform and record results of seven basic field tests on freshly mixed concrete. Performance exam registrants will have the opportunity to attend an open workshop where they can observe and participate in demonstrations for each of the testing procedures on **Wednesday, 8:00 am – 12:00 pm**. To certify as a *Concrete Field Testing Technician-Grade I*, candidates must pass both written exam WEFTW and performance exam THFTP. Workbook, CP-1 40<sup>th</sup> Edition, is included with performance examination registration and will be mailed\* to candidates prior to the show.

When registering, **select preferred 2-hour time slot**: Limited space - Register early for best availability

[THFTP1]: 8:00 am – 10:00 am

[THFTP3]: 11:00 am – 1:00 pm

[THFTP2]: 9:30 am – 11:30 am

[THFTP4]: 12:30 pm – 2:30 pm

**\* Reference materials mailed to domestic addresses when attendee registers a minimum of two weeks prior to the show. Examinees from outside the United States can pay separately to have a reference package shipped or arrange to pick one up onsite at the show.**

**CANCELLATION: \$100 non-refundable fee** if examinee cancels registration for **THFTP** performance exam.

**IMPORTANT:** Separate registration & fees needed for review seminar **TU408** Tuesday 1:00 pm – 5:00 pm, written exam **WEFTW** Wednesday 3:30 pm – 5:00 pm, and performance exam **THFTP** Thursday (select preferred 2-hr time slot starting 8:00 am).

## **ACI Concrete Flatwork Associate or Advanced Concrete Flatwork Finisher Certification**

**Presented by the Las Vegas Chapter of the American Concrete Institute.**

Questions about ACI certifications and examinations can be answered by Las Vegas Chapter ACI at [acilasvegas@outlook.com](mailto:acilasvegas@outlook.com) or 702.656.8827.

### ACI Concrete Flatwork Finisher Review Seminar

Session ID: [WE409]

Date/Time: Wednesday, January 22 | 8:00 am - 12:00 pm

Seminar Cost: \$265; \$295 after 12/12/24

CEH: 4.0 continuing education hours approved for AIA/CES LU|HSW, PDH, TCA





This program is designed to prepare ACI-Certified Advanced Concrete Flatwork Finishers with experience in commercial/industrial flatwork, having competency in operating a ride-on power trowel and using a highway straightedge (bump cutter). This session will cover commercial/industrial slab construction and techniques for high tolerance floors.

**Learning Objectives:**

- Recognize basic materials and mix proportioning
- Analyze procedures for placing, consolidating, finishing, edging, jointing, curing and protecting concrete flatwork
- Identify techniques for the proper use of tools
- Clarify certification process, requirements and preparation needed for the written exam

*Workbook ACI CP-10 (3rd Edition) is included when registering for written exam THCF. Spanish versions of the workbook and exam are available upon request — see contact information above. **‘Seminar Only’ attendees not registered for the written exam can purchase a copy of workbook CP-10 (10) at the review seminar to serve as a supplemental handout for the seminar.***

**ACI Concrete Flatwork Finisher Written Examination**

Session ID: [THCF]

Date/Time: Thursday, January 23 | 1:00 pm - 3:00 pm

Exam Cost: \$400 (includes workbook)

The closed-book, two-hour written exam consists of 50 multiple-choice questions based on ACI CP-10 (3rd Edition) workbook included with exam registration. Examinees may contact Las Vegas Chapter ACI and request that a workbook be shipped prior to the show or make arrangements to pick up a workbook once on site. Spanish version of the workbook and exam available upon request — see contact information below.

Participants who score 70% or above will be certified as an *ACI Concrete Flatwork Associate*. Credential can be upgraded to full *ACI Advanced Concrete Flatwork Finisher* status upon submittal and approval of 4,500 hours of on-the-job finishing experience. This written exam will satisfy ACI Concrete Flatwork Finisher recertification requirements.

**CANCELLATION:** \$100 non-refundable fee if examinee cancels registration for THCF written exam.

**IMPORTANT:** Separate registration & fees needed for review seminar **WE409** Wednesday 8:00 am – 12:00 pm and written exam **THCF** Thursday 1:00 pm – 3:00 pm.

**ACPA Concrete Pump Operator Certification**

*Presented by the American Concrete Pumping Association.*

*For more information regarding the pump operator certification process or member's exam rebate, contact ACPA at 614.431.5618 or email [janet@concretepumpers.com](mailto:janet@concretepumpers.com).*

**ACPA Concrete Pump Operator Safety Review Seminar**

Session ID: [TU406]

Date/Time: Tuesday, January 21 | 8:00 am - 12:00 pm

Seminar Cost: \$265; \$295 after 12/12/24

CEH: 4.0 continuing education hours approved for AIA/CES LU | HSW, PDH, TCA

ACPA Concrete Pump Operator Certification meets the safety training requirement included in the ASME B30.27 safety standard for material placement systems for concrete pumps and conveyors and is the only industry-recognized certification program which provides an independent written assessment of an operator's knowledge regarding concrete pump safety. Attending this review seminar fulfills the safety training requirement and includes a comprehensive, in-depth coverage of the basics included in the written examination. Specific equipment experience time and completion of the ACPA Safety Training Program are prerequisites for ACPA Certification.

Inexperienced operators can fulfill their safety training requirement, take the written examination, and then apply for certification once they reach the required experience time.



**Learning Objectives:**

- Evaluate how to increase an operator's level of safety awareness and professionalism
- Summarize concrete pumping basics from before job preparation to cleaning out and completing the job
- Discuss detailed instructions on specific safety hazards such as operating near power lines, outrigger setup, cleanout procedures and air entrapment
- Identify top safety issues and how to effectively deal with co-workers encountering concrete pump on a job

**ACPA Concrete Pump Operator Safety Written Examination****Session ID:** [TUCPE]**Date/Time:** Tuesday, January 21 | 1:00 pm - 3:00 pm**Exam Cost:** \$305 (*includes study guide*)

Take the ACPA Concrete Pump Operator Certification Examination the same day as the review seminar. Work experience on specified equipment is required for certification. **Examination registration fee includes study guide which will be mailed to examinees prior to the show.**

**NOTE:** ACPA Members are eligible for a \$150 examination rebate.

**IMPORTANT:** Separate registration & fees needed for review seminar **TU406** Tuesday 8:00 am – 12:00 pm and written exam **TUCPE** Tuesday 1:00 pm – 3:00 pm.

**CFA Residential Concrete Foundation Technician Certification**

*Presented by the Concrete Foundations Association.*

*Questions about the foundation certification can be answered by CFA at 319.895.6940 or [jbaty@cfaconcretepros.org](mailto:jbaty@cfaconcretepros.org).*

**CFA Residential Foundations Compliance & Competency Review Seminar****Session ID:** [TU407]**Date/Time:** Tuesday, January 21 | 8:00 am - 12:00 pm**Seminar Cost:** \$265; \$295 after 12/12/24**CEH:** 4.0 continuing education hours approved for AIA/CES LU | HSW, PDH

The ACI/CFA Foundation Technician Certification Program was established to provide measurable quality assurance and demonstrate command of essential standards to the residential construction industry. This presentation highlights the resources and standards used with a focus on practical application. Attendees will identify advanced principles that define companies from coast to coast for quality and leadership while preparing to be recognized as Certified Foundation Technicians.

**Learning Objectives:**

- Assess basic concepts specific to residential foundations necessary for ACI/CFA Technician Certification
- Determine minimum design requirements for concrete foundation wall designs
- Evaluate various techniques for excavating and backfilling
- Identify safety issues and code compliance

**CP-55PACK Reference Package** (*containing copies of ACI residential documents, portion of the IRC, and other important industry resources*) is included when registering for written exam TUCFA.

**'Seminar Only' attendees not registered for the exam are encouraged to purchase CP-55PACK for additional reference during the seminar, for future exam preparation, or for business practice – contact CFA to purchase a copy.**

## CFA Residential Foundation Technician Written Examination

Session ID: [TUCFA]

Date/Time: Tuesday, January 21 | 1:00 pm - 3:30 pm

Exam Cost: \$475 (includes reference package) \*

The open-book, two-hour written exam consists of approximately 80 multiple-choice questions and is based on specific points of knowledge included in ACI's online [Job Task Analysis](#) for the residential concrete foundation technician. Examinees who score 70% or above will be certified as a **Residential Concrete Foundation Technician**.

\* **CP-55PACK Reference Package** will be shipped to early registrants – if registered after January 8, materials will be available on site at LVCC beginning Monday, January 20. **January 8th is last day to register for the exam without approval from CFA.**

**CANCELLATION:** \$250 non-refundable fee if examinee cancels registration for **TUCFA** written exam.

**IMPORTANT:** Separate registration & fees needed for review seminar **TU407** Tuesday 8:00 am – 12:00 pm and written exam **TUCFA** Tuesday 1:00 pm – 3:30 pm

## CFA Wall Foreman Qualifications

Each attendee completing minimum 12 education hours\* during WOC 2025 will receive a certificate from Concrete Foundations Association noting their verified education/training to become a qualified **Residential Wall Foreman**. 12 hrs of required and approved education is as follows\*:



- **6 hours: Required CFA Industry Training Courses**
  - [CFMO] Monday, 8am-10am: Wall Forming & Reinforcement Best Practices
  - [CFAWE] Wednesday, 8am-10am: Concrete Basics That Impact the Residential Concrete Industry
  - [CFATH] Thursday, 8am-10am: Finishing the Residential Foundation Wall for Performance
- **6 hours: Pre-approved WOC Seminars** – See below list of courses to choose from

### RESIDENTIAL WALL FOREMAN QUALIFICATIONS


Concrete Foundations Association (CFA) offers the industry a **Wall Foreman Qualification** to recognize concrete contractors who understand and practice residential foundation wall best practices. Attendees completing a minimum of 12 approved education hours during WOC 2025 will receive a certificate of completion for meeting this coursework and as a minimum standard for consideration as a **Residential Wall Foreman**. See below schedule with list of required and approved education sessions.

#### THREE REQUIRED INDUSTRY TRAINING COURSES PRESENTED BY CFA

	HRS	Topic Focus	Code	Course Title	Day/Time	FEE	after 12/22
	2.0	Wall Foreman <b>REQUIRED</b>	CFMO	CFA Concrete Basics That Impact the Residential Concrete Industry	Mon, Jan 20 8:00 AM - 10:00 AM	\$125	\$150
	2.0	Wall Foreman <b>REQUIRED</b>	CFAWE	CFA Residential Wall Forming & Reinforcement Best Practices	Wed, Jan 22 8:00 AM - 10:00 AM	\$125	\$150
	2.0	Wall Foreman <b>REQUIRED</b>	CFATH	CFA Finishing the Residential Foundation Wall for Performance: Curing to Drainage	Thurs, Jan 23 8:00 AM - 10:00 AM	\$125	\$150

Select minimum 6 hrs from below WOC 2025 seminars approved by CFA.

#### Monday, January 20

	3.0	Concrete Fundamentals	MO01	Concrete Basics I: Concrete Materials, Mixtures & Fresh Properties of Concrete	8:00AM - 11:00AM	\$195	\$225
	3.0	Concrete Fundamentals	MO02	Concrete Basics II: Ordering, Producing, Placing & Finishing Concrete	1:00PM - 4:00PM	\$195	\$225
	3.0	Concrete Repair	MO06	Troubleshooting Concrete Cracks: Understand & Minimize Cracking	8:00AM - 11:00AM	\$195	\$225
	3.0	Concrete Repair	MO07	Concrete Repair I: Surface Prep, Reinforcement, Material Selection & Placement	1:00PM - 4:00PM	\$195	\$225
	1.5	Emerging Leaders	MO101	Teamwork & Trust: Taking it to the Next Level	8:00AM - 9:30AM	\$115	\$145
	1.5	Emerging Leaders	MO102	Connecting Generations: Building Bridges Through Effective Communication & Mentoring	10:30AM - 12:00PM	\$115	\$145
	1.5	Emerging Leaders	MO103	Effective Communication Skills to Increase Your Personal Influence	1:00PM - 2:30PM	\$115	\$145
	1.5	Emerging Leaders	MO104	Everything You Need to Know About Leadership in Construction	3:30PM - 5:00PM	\$115	\$145
	1.5	General Business	MO109	Safety and OSHA Violations: The Good, The Bad & The Ugly	8:00AM - 9:30AM	\$115	\$145



	3.0	Business & Project Mgmt	MO11	Improving Performance Through Effective Leadership	8:00AM - 11:00AM	\$195	\$225
	1.5	Concrete 101	MO130	Cold Weather: Managing Concrete in Winter Conditions	1:00PM - 2:30PM	\$115	\$145
	4.0	Leadership & Mgmt	MOCLW	Workshop: Growing from Laborer to Leader	8:00AM - 12:00PM	\$230	\$295
	1.0	Leadership & Mgmt	MOFF01	How To Be An Effective Trainer	4:00PM - 5:00PM	\$90	\$110
	1.5	Masonry 101	MOSP148	Fundamentos y Mejores Prácticas de la Construcción de Mampostería	1:00PM - 2:30PM	\$115	\$145
<b>Tuesday, January 21</b>							
	3.0	Concrete Fundamentals	TU03	Concrete Basics III: Troubleshooting Typical Problems, Tips & Marketplace Trends	8:00AM - 11:00AM	\$195	\$225
	3.0	Concrete Repair	TU08	Concrete Repair II: Waterproof, Protection & Corrosion Prevention	8:00AM - 11:00AM	\$195	\$225
	3.0	Concrete Fundamentals	TUSP16	Conceptos Básicos del Concreto I: Materiales del Concreto, Mezclas y Propiedades	8:00AM - 11:00AM	\$195	\$225
	1.5	Emerging Leaders	TU105	Leadership & Management: Be Successful by Knowing the Difference	1:30PM - 3:00PM	\$115	\$145
	4.0	Certification	TU406	ACPA Concrete Pump Operator Safety Review	8:00AM - 12:00PM	\$265	\$295
	4.0	Certification	TU407	CFA Residential Foundations: Compliance & Competency Review	8:00AM - 12:00PM	\$265	\$295
	1.0	Concrete Fundamentals	TUFF02	My Concrete Was Rejected! Challenging the System & Gaining Acceptance	11:30AM - 12:30PM	\$90	\$110
	4.0	Safety	TUFPT	Train-the-Trainer: Fall Protection End User	8:00AM - 12:00PM	\$845	\$945
	4.0	Surveying	TUSTS1	Hands-On Training: Surveying with Total Stations - Basics for Beginners	8:00AM - 12:00PM	\$390	\$470
	4.0	Surveying	TUSTS2	Hands-On Training: Surveying with Total Stations - Basics for Beginners	1:00PM - 5:00PM	\$390	\$470
	3.0	Leadership & Mgmt	TUWCW	Women Workshop: Exploring Gender Differences in the Workplace	1:00 PM - 4:00 PM	\$165	\$195
<b>Wednesday, January 22</b>							
	1.5	Emerging Leaders	WE106	Building Trust & Ensuring Safety: Mental Health & Construction Psychological Safety	8:30AM- 10:00AM	\$115	\$145
	1.5	Emerging Leaders	WE107	Find, Hire, Train, & Retain Self-Motivated Workers	1:30PM - 3:00PM	\$115	\$145
	1.5	General Business	WE116	Fall Protection Best Practices: Industry Regulations & Guidelines	1:30PM - 3:00PM	\$115	\$145
	3.0	Business & Project Mgmt	WE14	The Rising of the Emerging Leader	8:00AM - 11:00AM	\$195	\$225
	1.0	Concrete Fundamentals	WEFF04	Importance of Water Control in Quality & Durable Concrete	11:30AM - 12:30PM	\$90	\$110
	1.0	Leadership & Mgmt	WEFF05	15 Best Practices: Field, Leadership, & Management	3:30PM - 4:30PM	\$90	\$110
	3.0	Concrete Fundamentals	WESP18	Conceptos Básicos del Concreto III: Solución de Problemas, Consejos y Tendencias del mercado	8:00AM - 11:00AM	\$195	\$225
	4.0	Surveying	WESTS1	Hands-On Training: Advanced Surveying with Total Stations	8:00AM - 12:00PM	\$390	\$470
	4.0	Surveying	WESTS2	Hands-On Training: Advanced Surveying with Total Stations	1:00PM - 5:00PM	\$390	\$470
<b>Thursday, January 23</b>							
	3.0	Concrete Fundamentals	TH05	Mix Design II: Adjusting with Aggregates & Admixtures	8:00AM - 11:00AM	\$195	\$225
	1.5	Emerging Leaders	TH108	The Mentoring "Playbook": Raising the Next Generational Workforce	1:30PM - 3:00PM	\$115	\$145
	1.5	Concrete 101	TH137	What Is Wrong With My Concrete? Troubleshooting Concrete Quality	1:30PM - 3:00PM	\$115	\$145
	1.5	Concrete Fundamentals	THSP151	Concreto en Condiciones Climáticas Extremas	1:30PM - 3:00PM	\$115	\$145
	4.0	Surveying	THSTS1	Hands-On Training: Surveying with Total Stations - Basics for Beginners	8:00AM - 12:00PM	\$390	\$470
	4.0	Surveying	THSTS2	Hands-On Training: Advanced Surveying with Total Stations	1:00PM - 5:00PM	\$390	\$470

## NEW! CPC Concrete Polishing Tradesman & Craftsman

*Presented by the American Society of Concrete Contractors Concrete Polishing Council.*

Questions about the CPC Concrete Polishing Tradesman & Craftsman certification can be answered by ASCC CPC staff at [CBranum@ASCCOnline.org](mailto:CBranum@ASCCOnline.org) or [RHefner@ASCCOnline.org](mailto:RHefner@ASCCOnline.org)

## NEW! CPC Concrete Polishing Tradesman & Craftsman

Session ID: [MO403]

Date/Time: Monday, January 20 | 8:00 am - 12:00 pm

Seminar Cost: \$265; \$295 after 12/12/24

CEH: 4.0 continuing education hours approved for AIA/CES LU|HSW, PDH

This course is the preparation class for the Concrete Polishing Council Craftsman Certification. The course covers the basic knowledge to prepare and execute polished concrete flooring installation.



**Concrete Polishing Tradesman** is a person who has demonstrated knowledge about proper procedures to polish concrete but lacks sufficient work experience to qualify as a Concrete Polishing Craftsman.

**Concrete Polishing Craftsman** is a certified Tradesman and has verified work experience of 4500 hours directly attributed to surface preparation, grinding, edging, chemical application, honing, polishing, and/or polishing equipment maintenance.

- Analyze planning for concrete polishing
- Support communication with concrete contractor and specifier
- Discuss surface preparation, grinding, edging, chemical application, honing, and polishing
- Determine best safety practices

### CPC Concrete Polishing Written Examination

Session ID: [TUCPCW]

Date/Time: Tuesday, January 21 | 8:30 am – 10:30 am

Exam Cost: \$375 (*study materials included with exam fee*)

**For Concrete Polishing Tradesman:** CPC will grant certification only to those candidates who obtain a passing grade on the online or written examination. The two-hour examination consists of 50 multiple-choice questions. The passing grade for the examination is 70%.

Individuals with Concrete Polishing Tradesman certification can upgrade to Concrete Polishing Craftsman status upon submittal and approval of verified sufficient work experience. Re-certification is necessary every **five years** and requires successful completion of an examination.

**For Concrete Polishing Craftsman:** CPC will grant certification only to those candidates who have obtained Tradesman Certification PLUS: *Possess 4,500 hours of actual **on-the-job polishing**\* experience.*

\*Polishing experience includes concrete surface preparation, grinding, edging, chemical application, honing, polishing and polishing equipment maintenance. Verification of work experience by employer(s) is required.

**NOTE:** Jan 2, 2025, last day to register for exam. Study materials will be shipped to early registrants – if registered after January 2, materials will be available on site at LVCC.

**CANCELLATION POLICY:** Cancellations are not allowed without approval. Require written approval from proctoring association & WOC Educ Team.

**IMPORTANT:** Separate registration & fee needed for review seminar **MO403** Monday, 8:00 am – 12:00 pm and written exam **TUCPCW** Tuesday, 8:30 am – 10:30 am.

### **ICRI Concrete Slab Moisture Testing Certification Program**

*Presented by the International Concrete Repair Institute.*

*For questions and to receive pre-approval for performance exam and recertifications, please contact Dale Regnier at 651.290.6278 or via email [daler@icri.org](mailto:daler@icri.org).*

**BEFORE REGISTERING:** All certification and recertification applicants must be pre-approved by ICRI prior to registering.



The purpose of the Concrete Slab Moisture Testing Certification Program is to help improve the performance of concrete slab moisture testing with the intent of producing more consistent, accurate and reliable test results that allow flooring installers, manufacturers, design professionals and owners to make better decisions on when a concrete floor is ready for a floor covering installation.

**Concrete Slab Moisture Testing program is divided into two courses:**

**EDUCATION [WE410/WECRT]** is for individuals who are not regularly engaged in slab moisture testing yet have an active interest in learning more about the tests, what the tests mean and how the tests should be performed. Participants will be required to attend a 4-hour review seminar (WE410) and take a one-hour written exam (WECRT). Education

participants who attend the WE410 review seminar and pass the WECRT written exam will be awarded a *Certificate of Achievement* from ICRI.

**CERTIFICATION [WE410/WECRT/ICRITH/THRPE]** is for individuals who desire **certification**. Participants will be required to attend 4-hour review seminar **WE410**, take Education written exam **WECRT**, attend the Concrete Slab Moisture Testing Demonstration & Workshop **ICRITH**, and perform each of five ASTM field tests **THRPE** under the supervision of a qualified judge who will not provide any level of coaching. By attending the review seminar and demo/wkshp and passing both the written and performance exams, a **Concrete Slab Moisture Testing Technician - Grade 1**, 5-year certification, will be issued by ICRI.

Exams are based on the following five (5) ASTM Standards, including all Annexes and Appendices:

1. Concrete surface pH testing (ASTM F710, Section 5.2)
2. Moisture vapor emission rate of concrete subfloor (ASTM F 1869)
3. Relative humidity in concrete floor slabs using in situ probes (ASTM F2170)
4. Electronic moisture meter (ASTM F2659)
5. Substrate water absorption (porosity) (ASTM F3191)

### ICRI Concrete Slab Moisture Testing Review Seminar

Session ID: [WE410]

Date/Time: Wednesday, January 22 | 8:00 am - 12:00 pm

Seminar Cost: \$265; \$295 after 12/12/24

CEH: 4.0 continuing education hours approved for AIA/CES LU | HSW, PDH, TCA

This four-hour review seminar is open to anyone. The seminar is mandatory for both the Education and Certification courses. The seminar will be conducted by industry experts who have extensive experience with moisture related slab issues and are at the forefront of development and performance of the ASTM moisture test methods.

**NOTE:** Individuals who register for **written exam WECRT** will receive complete course materials including copies of the four ASTM's. Those that register for only 4-hour review seminar **WE410** will not receive course materials/ASTM's.

### ICRI Concrete Slab Moisture Testing Education Written Exam

Session ID: [WECRT]

Date/Time: Wednesday, January 22 | 2:00 pm – 3:00 pm

Exam Cost: \$305; \$345 after 12/12/24 (includes all study materials)

A closed-book, 60-minute written exam, based on the ASTM tests listed above, along with general knowledge of moisture testing in concrete slabs, is mandatory for both the Education and Certification courses. Attendees taking the Education Written Exam WECRT will receive complete course materials, including copies of the five ASTM's.

Participants who attend review seminar WE410 and pass written exam WECRT will be issued a Certificate of Achievement from ICRI. **Examinees must attend the review seminar WE410 before sitting for the written exam.**

### ICRI Concrete Slab Moisture Testing Certification Performance Exam\*\*

Session ID: [THRPE]

Date/Time: Thursday, January 23 | 12:00 pm - 5:00 pm (select preferred one-hour time slot)

Exam Cost: \$470; \$520 after 12/12/24

**\*\*Performance examinees must contact [daler@icri.org](mailto:daler@icri.org) for pre-approval prior to registering.**

Hands-on concrete slab moisture testing experience is waived because examinees register for and attend the Concrete Slab Moisture Testing Demonstration & Workshop ICRITH, scheduled Thurs, Jan 23, 8:00 am – 11:00 am (separate registration fee required).

**Certification applicants must attend** 4-hour review seminar **WE410**, take written exam **WECRT**, and attend the Concrete Slab Moisture Testing Demonstration & Workshop **ICRITH**, before taking the performance exam.

Designed to evaluate an individual's ability to execute proper concrete slab moisture testing procedures, examinees

will perform the five ASTM test methods on hardened concrete/masonry (no exposure to fresh concrete) under the supervision of qualified judges who will not provide any level of coaching. ICRI will provide all necessary power tools and safety equipment. No heavy lifting is involved with these tests.

**Space is limited to 3 participants per time slot, so register early!** One-hour time slots for the Performance Exam will be confirmed at Wednesday's written exam. Special requests for time slots will be considered by contacting ICRI prior to registering but are not guaranteed unless approved by ICRI.

Select preferred one-hour Performance Exam time slot from schedule below:

[THRPE1]: 12:00 pm – 1:00 pm

[THRPE4]: 3:00 pm – 4:00 pm

[THRPE2]: 1:00 pm – 2:00 pm

[THRPE5]: 4:00 pm – 5:00 pm

[THRPE3]: 2:00 pm – 3:00 pm

**IMPORTANT:** Prequalification for acceptance into the certification performance exam **THRPE** will be adequate previous hands-on concrete slab moisture testing experience that must be **pre-approved by ICRI prior to registering**. Applicants that register for **THRPE** should have pre-approval from ICRI of previous hands-on testing experience and must register for the Demonstration & Workshop **ICRITH**. **Attendees not registered for the Demonstration & Workshop will not be allowed to take the Certification Performance Exam and will not be refunded the THRPE registration fee.**

By attending the 4-hour review seminar **WE410** and passing both written **WECRT** and performance exam **THRPE**, a **Concrete Slab Moisture Testing Technician - Grade 1** certification will be issued by ICRI for a period of five (5) years. Certified individuals will receive a certificate and wallet certification card and be eligible to be listed on the ICRI website database.

**CANCELLATION OF EXAM:** A minimum of 8 registrants for the certification performance exam **THRPE** must be registered by December 22nd to run this program. If the minimum attendance is not met, the performance exam will be canceled, and full registration fees refunded.

### ICRI Concrete Slab Moisture Testing Demonstration & Workshop

Session ID: [ICRITH]

Date/Time: Thursday, January 23 | 8:00 am – 11:00 am

Workshop Cost: \$230; \$280 after 12/12/24

Individuals who want to register for the Certification Performance Exam **THRPE** must take the Concrete Slab Moisture Testing Demonstration & Workshop. Four ASTM tests will be demonstrated with the opportunity for hands-on testing and training by ICRI instructors.

### ICRI Concrete Slab Moisture Testing First Recertification Examination\*\*

Session ID: [WERCE]

Date/Time: Wednesday, January 22 | 2:00 pm – 3:00 pm

Exam Cost: \$480; \$530 after 12/12/24 (includes digital study materials)

**\*\*Candidates must be pre-approved by ICRI prior to registering.** Applicants that register for **WERCE** and have not received pre-approval from ICRI will not be allowed to take the First Recertification Exam and will not be refunded the **WERCE** registration fee.

This exam is available for ICRI certified individuals whose original five-year certification has or is about to expire. Recertification examinees will take a closed-book, 60-minute written exam based on four ASTM standards along with general knowledge of moisture testing in concrete slabs. **Pre-approved examinees should register at least 3 weeks prior** to the exam date to receive digital study/review materials, including ASTM's.

By passing the first recertification exam, a **Concrete Slab Moisture Testing Technician – Grade 1**, five-year certification will be issued by ICRI to the individual. Recertified individuals will receive a new certificate and wallet certification card and be eligible to be listed on the ICRI website database.

**SECOND RECERTIFICATION:** Individuals at 5+ years after first recertification or 10+ years after original certification must take the entire Certification course (**WE410/WECRT/THRPE**) to obtain recertification. Recertification policy states that



the second recertification can be taken up to six (6) months prior to the first recertification expiration date but no longer than nine (9) months after the expiration date, or the entire Certification course at regular fees must be retaken in its entirety. **SAVINGS:** Second recertification applicants are eligible for a **\$150 rebate**.

**IMPORTANT:** Separate registration & fees needed for review seminar **WE410** Wednesday, 8:00 am – 12:00 pm, written exams **WECRT/WERCE** Wednesday 2:00 pm – 3:00 pm, demo/workshop **ICRITH** Thursday 8:00 am – 11:00 am, and performance exam **THRPE** Thursday, (select preferred 1-hr time slot starting 12:00 pm).

#### **SCHEDULE OF EVENTS for ICRI Concrete Slab Moisture Testing Certification:**

- **Wednesday, 8 am - 12 pm:** Review Seminar (*required before taking written exam*)
- **Wednesday, 2 pm - 3 pm:** Education Written Exam / First Recertification Exam (*pre-approval required*)
- **Thursday, 8 am - 11 am:** Demonstration & Workshop (*required before taking performance exam*)
- **Thursday, 12 pm - 5 pm:** 1-hr Performance Exam (*pre-approval required*)

### **ACI/TCA Tilt-Up Supervisor and Technician Certification**

*Presented by the Tilt-Up Concrete Association.*

*Questions about the tilt-up certification can be answered by TCA at 319.895.6911 or [jbaty@tilt-up.org](mailto:jbaty@tilt-up.org).*

#### **TCA Tilt-Up Supervisor & Technician Review Seminar**

Session ID [TH411]

Date/Time: Thursday, January 23 | 8:00 am - 12:00 pm

Seminar Cost: \$265; \$295 after 12/12/24

CEH: 4.0 continuing education hours approved for AIA/CES LU | HSW, PDH, TCA



The Tilt-Up Supervisor and Technician Certification Program is a collaborative effort between the American Concrete Institute (ACI) and the Tilt-Up Concrete Association (TCA). This seminar is an overview of onsite administrative and technical management for producing tilt-up projects.

#### **Learning Objectives:**

- Describe the ACI Tilt-Up Technician/Supervisor certification process, responsibilities, and terminology
- Summarize issues of safety, plan reading, site preparation, scheduling, foundations, slabs-on-grade, layout, forming, placement, and erection of tilt-up walls
- Recognize factors that affect performance of concrete for tilt-up panels including aggregates, colored and special cement, admixtures and mix proportioning
- Demonstrate knowledge of basic concrete technology by completing study questions

***Study guide, Construction of Tilt-Up, is included when registering for written exam THTUS. 'Seminar Only' attendees not registered for the exam are encouraged to purchase the study guide for reference during the seminar, for future exam preparation or business practice – contact TCA to purchase.***

#### **Tilt-Up Supervisor & Technician Written Examination**

Exam ID: [THTUS]

Date/Time: Thursday, January 23 | 1:00 pm - 3:00 pm

Exam Cost: \$475 (*includes study guide*) \*

The closed-book, two-hour written exam consists of approximately 80 multiple-choice questions. Examinees who score 70% or above will be certified as a **TCA Tilt-Up Technician**. A work experience submittal is required to be upgraded to **TCA Tilt-Up Supervisor**.

**\* Study guide will be shipped to early registrants** – if registered after January 2, manuals will be available on site at LVCC beginning Monday, January 20. **January 8th is last day to register for the exam without approval from TCA.**

**CANCELLATION:** **\$165 non-refundable fee** if examinee cancels registration for **THTUS** written exam.

**IMPORTANT:** Separate registration & fees needed for 4-hour review seminar **TH411** Thursday 8:00 am – 12:00 pm and written exam **THTUS** Thursday 1:00 pm – 3:00 pm.



## **Pervious Concrete Installer Certification**

*Presented by the Tennessee Concrete Association.*

*Questions about the pervious certification can be answered by Tennessee Concrete Association at 615.360.7393 or [asparkman@tnconcrete.org](mailto:asparkman@tnconcrete.org).*



### Pervious Concrete Installer Review Seminar

Session ID: [MO402]

Date/Time: Monday, January 20 | 8:00 am - 12:00 pm

Seminar Cost: \$265; \$295 after 12/12/24

CEH: 4.0 continuing education hours approved for AIA/CES LU | HSW, PDH

This seminar is valuable for ready mixed concrete personnel, testing labs, inspectors, admixture personnel, designers and contractors who want to expand their business in the pervious concrete growing market. This seminar is an excellent preparatory review for the NRMCA Pervious Concrete Installer Certification.

Discussions will cover foundational information about pervious concrete mix designs, installation procedures, tools and testing of pervious concrete.

- Discuss pervious concrete materials, mixture proportioning and quality control testing
- Examine design principles of pervious concrete pavements
- Explore placement options for various installations
- Develop a plan to train and certify employees to place pervious concrete and launch a contracting business

***NRMCA Publication #2PPCRT is included when registering for written exam TUPCW. the reference material for the National Ready Mixed Concrete Association's Pervious Concrete Technician Certification Written Examination (an \$90 value). Manuals will be mailed prior to the show for exam registrations received two weeks before start date of the show. 'Seminar Only' attendees not registered for the written exam can purchase a copy of NRMCA Publication #2PPCRT at the review seminar to serve as a handout for the seminar.***

### Pervious Concrete Technician Written Examination

Session ID: [TUPCW]

Date/Time: Tuesday, January 21 | 3:00 pm - 5:00 pm

Exam Cost: \$250; \$275 after 12/12/24 (includes reference materials)

The two-hour written "closed book" examination consists of approximately 60 multiple-choice questions. Examinees passing the written exam with a score of 75% or higher will be certified by NRMCA as a Pervious Concrete Technician.

***NRMCA Publication #2PPCRT, reference material for the National Ready Mixed Concrete Association's Pervious Concrete Technician Certification written examination (an \$90 value), is included with written examination registration, and will be mailed to candidates who register at least two weeks prior to the show.***

**NOTE:** Examinees should expect to receive exam results approximately 4 weeks after the test date.

**CANCELLATION POLICY:** There is a **\$100 non-refundable fee** to cover costs of workbook and shipping if examinee cancels registration for written exam **TUPCW**.

**IMPORTANT:** Separate registration & fee needed for review seminar **MO402** Monday, 8:00 am – 12:00 pm and written exam **TUPCW** Tuesday, 3:00 pm – 5:00 pm.