

INDUSTRY CERTIFICATIONS PRESENTED BY WOC EDUCATION PARTNERS

For questions & requirements see contact information for each certifying organization

ACI Post-Installed Concrete Anchor Installation Inspector Certification

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



Questions about anchor installation inspector certification or examination can be answered by Las Vegas Chapter ACI at acilasvegas@outlook.com or 702.656.8827.

ACI Post-Installed Concrete Anchor Installation Inspector Review Seminar

Code: [MO401]

Date/Time: Monday, June 7 | 8:00 am - 12:00 pm

Seminar Cost: \$210; \$245 after 5/10/21

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 adhesive and mechanical 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 Inspector certification CP-81 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

Code: [TUAIW]

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

Exam Cost: \$500 (includes reference packet)

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. Examinees from outside the United States can pay separately to have reference package shipped or arrange to pick up onsite at the show.*

IMPORTANT: Separate registration fee needed for 4-hour review seminar **MO401** Monday, 8 am – 12 pm.

CANCELLATION: \$150 non-refundable fee if examinee cancels registration for TUAIW written exam.

ACI Specialty Commercial/Industrial Concrete Flatwork Technician Certification

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



Questions about the flatwork certification or examination can be answered by Las Vegas Chapter ACI at acilasvegas@outlook.com or 702.656.8827.



ACI Specialty Commercial/Industrial Concrete Flatwork Review Seminar

Code: [MO403]

Date/Time: Monday, June 7 | 1:00 pm - 5:00 pm

Seminar Cost: \$210; \$245 after 5/10/21

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 session will cover commercial/industrial slab construction and techniques for high tolerance floors.

The hands-on **performance exam will not be administered** this year due to COVID-19 physical distancing restrictions. ACI Las Vegas Chapter is planning to resume offering the performance exam at WOC 2022.

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 Advanced/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 Written Examination

Code: [TUCIF]

Date/Time: Tuesday, June 8 | 3:30 pm - 5:30 pm

Exam Cost: \$340 (includes workbook)

The closed-book, two-hour written exam consisting of 75 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 ACI Specialty/Commercial Industrial Concrete Flatwork Finisher recertification needs.

Participants can upgrade to full Specialty Commercial/Industrial Concrete Flatwork Finisher/Technician status upon successful passing of the performance exam, meeting the requirements of certification as an ACI Advanced Concrete Flatwork Finisher, and submittal/approval of sufficient work experience.

** Reference materials mailed to domestic addresses. 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 & fee needed for 4-hour review seminar **MO403** Monday, 1:00 pm – 5:00 pm.

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

ACI Concrete Field Testing Technician – Grade I Certification

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



Questions about the field testing certification or examination can be answered by Las Vegas Chapter ACI at acilasvegas@outlook.com or 702.656.8827.



ACI Concrete Field Testing Technician - Grade I Review Seminar

Code: [TU405]

Date/Time: Tuesday, June 8 | 1:00 pm - 5:00 pm

Seminar Cost: \$210; \$245 after 5/10/21

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 38th 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

Code: [WEFTW]

Date/Time: Wednesday, June 9 | 3:30 pm – 5:00 pm

Exam Cost: \$270

One-hour, closed-book written exam consisting of 55 multiple-choice and true-false questions based on ACI publication CP-1 38th Edition, included with your 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

Code: [THFTP]

Date/Time: Thursday, June 10 | 8:00 am – 2:30 pm *(select preferred 2-hr time slot)*

Location: LVCC Silver Lot, ACI Certification Area

Exam Cost: \$340 *(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. To certify as a *Concrete Field Testing Technician-Grade I*, candidates must pass both written exam WEFTW and performance exam THFTP. Workbook, CP-1 38th 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. 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.

ACI Concrete Flatwork Associate or Advanced Concrete Flatwork Finisher 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 or 702.656.8827.

ACI Concrete Flatwork Finisher Review Seminar

Code: [WE406]

Date/Time: Wednesday, June 9 | 8:00 am - 12:00 pm

Seminar Cost: \$210; \$245 after 5/10/21

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



For participants taking *Concrete Flatwork Associate & Advanced Concrete Flatwork Finisher* certification exam, this review seminar will cover topics such as quality control tests, tools, placing, finishing, jointing and curing.

Learning Objectives:

- Recognize basic materials and mix proportioning
- Analyze procedures for placing, consolidating, finishing, edging, jointing, curing & 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(10) is included when registering for written exam THCFE. Spanish version of the workbook and exam are available upon request — see contact information below. '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

Code: [THCFE]

Date/Time: Thursday, June 10 | 1:00 pm - 3:00 pm

Exam Cost: \$380 (includes workbook)

The closed-book, two-hour written exam consists of 50 multiple-choice questions based on ACI CP-10(10) 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 required work experience. This written exam will satisfy ACI Concrete Flatwork Finisher recertification needs.

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

ACPA Concrete Pump Operator Certification

Presented by the American Concrete Pumping Association.



For more information regarding the pump operator certification process or member's examination rebate, contact ACPA at 614.431.5618 or email janet@concretepumpers.com.

ACPA Concrete Pump Operator Safety Review Seminar

Code: [TU404]

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

Seminar Cost: \$210; \$245 after 5/10/21

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

Code: [TUCPE]

Date/Time: Tuesday, June 8 | 1:00 pm - 3:00 pm

Exam Cost: \$290 (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.

Pervious Concrete Installer Certification

Presented by the Tennessee Concrete Association.



Questions about the pervious certification can be answered by the Tennessee Concrete Association, 615.360.7393 or asparkman@tnconcrete.org.

Pervious Concrete Installer Review Seminar

Code: [MO402]

Date/Time: Monday, June 7 | 8:00 am - 12:00 pm

Seminar Cost: \$210; \$245 after 5/10/21

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

***Attendees will receive NRMCA Publication #2PPCRT**, 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 seminar registrations received two weeks before date of the seminar.*

CANCELLATION POLICY: There is a **\$100 non-refundable fee** to cover costs of workbook and shipping if registrant cancels his/her registration for review seminar MO402.

Pervious Concrete Technician Written Examination

Code: [TUPCW]

Date/Time: Tuesday, June 8 | 3:00 pm - 5:00 pm

Exam Cost: \$175; \$200 after 5/10/21

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. **Reference materials for the Written Examination are included with registration for review seminar MO402.**

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

TCA Tilt-Up Technician & Supervisor 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.

TCA Tilt-Up Technician/Supervisor Review Seminar

Code: [TH408]

Date/Time: Thursday, June 10 | 8:00 am - 12:00 pm

Seminar Cost: \$210; \$245 after 5/10/21

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 on-site 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 Technician/Supervisor Written Examination

Code: [THTUS]

Date/Time: Thursday, June 10 | 1:00 pm - 3:00 pm

Exam Cost: \$460 (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 May 10 manuals will be available onsite beginning Tuesday, June 8. ***May 24 is last day to register for the exam.***

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