

NOTE: Space is limited on all training, workshops, & live demonstrations, so register early!

HANDS-ON TRAINING: Mix Design & Testing Labs

Course Codes: TUMD1-2, WEMD1-2, THMD 1-2

Dates/Times: Tues – Thurs, Jan 22 – 24, 11:30am – 5:00pm

Trainers: John Schemmel, Tom Greene

Location: LVCC Central Hall, Concourse 5

This beginner hands-on training experience consists of two laboratory stations: 1) Materials & Mix Design and 2) Field Quality Control. In the first station, participants will identify and examine individual materials commonly used in concrete including aggregates, cement, fly ash, slag, and silica fume. Hear how the various materials influence both fresh and hardened concrete properties. In addition, learn about chemical admixtures and watch tabletop demonstrations showing how these admixtures work. Attendees will mix a small batch of concrete to understand how materials and their proportions influence the properties of concrete.

The second part of this hands-on session will focus on proper methodologies for testing fresh concrete in the field with demonstration of tools used to measure fresh concrete properties. Laboratory activities will include slump cone, density measure, air content by pressure meter, air content by volumetric meter, thermometer, and specimen molds. Participants will also learn about testing tolerances, significance of fresh concrete tests and how testing contributes to the quality control of the project.

SPECIAL NOTE: This hands-on training is a great complement to *Concrete Basics I* (Seminar MO01) and *Concrete Mix Design I* (Seminar TU16).

Select one preferred time slot: Tues, Jan 22: **TUMD1:** 11:30am–3pm *or* **TUMD2:** 1:30pm–5pm
Wed, Jan 23: **WEMD1:** 11:30am–3pm *or* **WEMD2:** 1:30pm–5pm
Thurs, Jan 24: **THMD1:** 11:30am–3pm *or* **THMD2:** 1:30pm–5pm

Mix Design & Testing Labs Fee: \$375; \$465 after 12/3/18 and onsite
3.5 Continuing Education hours approved for AIA/CES LU, PDH and TCA.

HANDS-ON TRAINING: Concrete Stenciling

Course Codes: TUCS1, WECS1

Dates/Times: Tues, Jan 22, 1:00pm–5:00pm & Wed, Jan 23, 8:00am–12:00pm

Trainers: Rachel Knigge

Location: LVCC Bronze Lot, Certifications & Training Area

Logos, branding and advertising on floors is a hot trend in the decorative concrete industry. Using specialized stencils to achieve these unique design elements is a great way to increase revenue and expand your business. This hands-on training session will include tips, tools and techniques for adding profitable, high-end results with easy-to-apply stencils on concrete polishing, overlay or epoxy projects. Attendees will learn how to apply stenciling by prepping the slab, placing and applying the stencil to the slab, using stains & dyes to achieve the design color, and finishing with a top coat for a long-lasting design.

Select one preferred time slot: Tues, Jan 22: **TUCS1** 1:00pm–5:00pm
Wed, Jan 23: **WECS1** 8:00am–12:00pm

Concrete Stenciling Fee: \$375; \$465 after 12/3/18 and onsite
4.0 Continuing Education hours approved for AIA/CES LU and PDH.

HANDS-ON TRAINING: Stamped Concrete

Course Codes: TUSC1, WESC1, THSC1

Dates/Times: Tues, Jan 22, 1:00pm – 5:00pm; Wed - Thurs, Jan 23 - 24, 8:00am – 12:00pm

Trainers: Paul Schneider, Kenny Cox

Location: LVCC Bronze Lot, Certification/Training Area

Participants will apply the basics of stamped concrete in this hands-on training session. Attendees will place and stamp an area consisting of straight and curved formwork. Applying and working with color hardeners and release agents plus how to properly use stamping tools to create various textures including borders and bands will be

experienced. Participants will also practice different jointing and edging techniques as well as washing, cleaning and sealing. Don't miss this opportunity to learn how to create the look of slate or stone by doing it yourself!

This training is a great complement to MO124, *Introduction to Stamped Concrete: Best Practices* presented by Rich Cofoid and WE126, *Troubleshooting Decorative Concrete Part I: Color & Stamped Concrete* by Chris Sullivan.

IMPORTANT: Minimum age 18 years.

Clothing requirements: long pants, long shirt sleeves and work boots. Safety equipment will be provided.

Select one preferred time slot: Tues, Jan 22: **TUSC1** 1:00pm–5pm
Wed, Jan 23: **WESC1** 8:00am–12pm
Thurs, Jan 24: **THSC1** 8:00am–12pm

Stamped Concrete Fee: \$450; \$525 after 12/3/18 and onsite
4.0 Continuing Education hours approved for AIA/CES LU, PDH and TCA.

HANDS-ON TRAINING: How to Place & Finish Floors

Course Codes: WEPTD1, THPTD1–2

Dates/Times: Wed, Jan 23, 1:00pm–5:00pm; Thurs, Jan 24, 8:00am–12:00pm & 1:00pm–5:00pm

Trainers: Jeff Groom, Denny Bartz

Location: LVCC Bronze Lot, Certifications & Training Area

This 4-hour hands-on-training session is limited to 20 attendees per time slot. Want to get dirty and learn how to place, screed, bull float and power trowel a concrete floor slab? This is not a sit and watch session—you'll be the flatwork finisher! Attendees will be divided into groups of 10 each and each group will place and finish a 12 ft x 30 ft slab under the direction of industry recognized flatwork finishers. Attendees will receive individual instructions and tips on how to use various hand and power tools including hand-held vibratory-screeds, straight edges, bull floats, bump cutters and walk-behind power trowels. Learn about the window of finishability and how to read fresh concrete.

Hands-On Training participants are encouraged to attend seminar TU119, *Introduction to Placing and Finishing Concrete Slabs: Best Practices* for a more complete educational experience.

Select one preferred time slot: Wed, Jan 23: **WEPTD1** 1:00pm–5:00pm
Thurs, Jan 24: **THPTD1** 8:00am–12:00pm
Thurs, Jan 24: **THPTD2** 1:00pm–5:00pm

IMPORTANT: Minimum age 18 years.

Clothing requirements: long pants, long shirt sleeves and work boots. Safety equipment will be provided.

Place & Finish Fee: \$450; \$525 after 12/3/18 and onsite
4.0 Continuing Education hours approved for AIA/CES LU, PDH and TCA.

HANDS-ON TRAINING: Surveying with Total Stations (Basics and Advanced levels offered)

Basics for Beginners

Course Codes: TUSTS1, TUSTS2

Date/Time: Tues, Jan. 22, 8:00am–12:00pm & 1:00pm–5:00pm

Trainers: Dustin Crowther, Travis Houston

Location: LVCC North Hall, Room N101

This introductory hands-on training session will explain the basic workings of digital total stations used in surveying with special focus on accuracies, errors and minor adjustments. Instrumental, personal, natural random and systematic errors will be discussed along with procedures for avoiding common pitfalls such as measuring angles and distances. Attendees will be subdivided into small groups to demonstrate/practice the following: instrument setup and proper handling and care of equipment. Attendees will set-up a total station over a specific point using the 5-step method as well as learn to measure distances and horizontal/vertical (zenith) angles properly.

Select one preferred time slot: **TUSTS1:** 8:00am–12:00pm
TUSTS2: 1:00pm–5:00pm

Basics of Surveying Fee: \$350; \$440 after 12/3/18 and onsite
4.0 Continuing Education hours approved for AIA/CES LU, PDH and TCA.

Advanced Surveying with Total Stations

Course Code: WESTS1

Date/Times: Wed, Jan 23, 8:00am–12:00pm

Trainers: Dustin Crowther, Travis Houston

Location: LVCC North Hall, Room N101

This hands-on training session is designed for experienced operators who already have a good working knowledge and significant practice using total stations in the field. Participants will go beyond what is commonly learned on the job and delve into specifications, accuracies and calibrations which are rarely understood by the typical construction surveyor. Specific detail will be presented on methods which may be utilized to improve accuracy of point location beyond the standard procedures typically used on construction sites.

Hands-on use of total stations will demonstrate easily performed field checks and adjustments of instrument calibration in setting up accurately on a point and measurement of distances and angles. A special discussion regarding expected accuracies with various degrees of factory stated specifications typically found will also be included.

IMPORTANT: Recommended for participants with 1-2 years' experience using total stations.

Advanced Surveying Fee: \$350; \$440 after 12/3/18 and onsite

4.0 Continuing Education hours approved for AIA/CES LU, PDH and TCA.

DECORATIVE LIVE DEMONSTRATIONS

WORKSHOP & DEMONSTRATION: Concrete Countertops

Course Code: WECCD

Date/Times: Wed, Jan 23, 12:30pm – 4:30pm

Trainer: Jeff Girard

Location: LVCC Central Hall, Concourse 5

Watch a countertop and sink come to life, going from a mold and raw ingredients to polished and colored concrete with exposed aggregate. Attendees will see how a sink mold is constructed, how concrete is mixed, and the consistency adjusted with superplasticizer, how a sink and countertop are cast and then demolded, and the grinding and polishing process. Learn what tools and equipment are needed, such as a mixer and diamond polisher, and see them in action. Also see how pigments, stains, and decorative embedments such as glass, stone and metal can be combined to create myriad looks. Participants will receive a from-scratch mix design and step-by-step handout.

SPECIAL NOTE: This workshop and live demo is a great complement to TU125, *Concrete Countertops: Critical Success Factors* presented by Jeff Girard. **Seminar TU125** registrants will receive **\$20 discount** on WECCD workshop if purchased by 12/3/18.

WECCD Fee: \$315; \$295 when purchased with Seminar TU125 by 12/3/18; **\$365** after 12/3/18 and onsite

4.0 continuing education hours approved for AIA/CES LU and PDH.

WORKSHOP & DEMONSTRATION: Decorative Overlays

Course Code: WEDOD

Date/Times: Wed, Jan 24, 1:00pm – 5:00pm

Trainers: Chris Sullivan, Keefe Duhon, Chris Becker, Brian Farnsworth, Jason Ryan

Location: LVCC Bronze Lot, Certifications & Training Area

Decorative overlays offer some of the greatest potential when it comes to growing your decorative concrete installation business. The variety of colors and finishes are only now being realized, with large growth potential into the future. This interactive workshop with live demonstrations allows participants to observe various decorative concrete overlay systems in cutting edge and trending finishes. Key focus areas of the class will include moisture mitigation prior to overlay application, hard trowel finishes with stain, specialty knock down finishes, polished self-leveling overlay with accents and vertical thin section overlay application. Workshop participants will see all of these systems and finishes applied with an emphasis on trending colors and design elements as well as long term durability in all climates.

SPECIAL NOTE: This workshop and live demo is a great complement to WE126, *Troubleshooting Decorative Concrete I—Color & Stamped Concrete* presented by Chris Sullivan. **Seminar WE126** registrants will receive **\$20 discount** on WEDOD workshop if purchased by 12/3/18.

THDOD Fee: \$315; \$295 when purchased with Seminar WE126 by 12/3/18; **\$365** after 12/3/18 and onsite
4.0 continuing education hours pending approval for AIA/CES LU and PDH.

WORKSHOP & DEMONSTRATION: Acid Staining Applications

Course Code: THASD

Date/Times: Thurs, Jan 24, 1:00pm–5:00pm

Trainers: *Federico Jasso, Mauricio Zambrano*

Location: LVCC Bronze Lot, Certifications & Training Area

Producing a complex design with acid stain is not difficult if you use adequate techniques. Don't miss this Acid Staining Applications workshop with live demonstrations where attendees will observe advanced techniques to create a beautiful scored/stained pattern with 3D features. The full process will be demonstrated starting with a natural grey concrete slab and finishing with application of a protective system. Techniques will include: tracing designs using paper templates, scoring the surface with 4" grinder, masking as a resist to brush marks and hand strokes, applying acid stain using pump sprayer and cheese cloth to create direct and natural manipulation of color fusion (wet-on-wet and wet-on-dry), etching a specific logo design, and applying different protective coatings.

SPECIAL NOTE: This workshop and live demo is a great complement to WE127 *Introduction to Acid Staining Applications and Starting a Business* presented by Federico Jasso. **Seminar WE127** registrants will receive **\$20 discount** on THASD workshop if purchased by 12/3/18.

THASD Fee: \$315; \$295 when purchased with Seminar WE127 by 12/3/18; **\$365** after 12/3/18 and onsite
4.0 continuing education hours approved for AIA/CES LU, PDH and TCA.

WORKSHOP & DEMONSTRATION: Vertical Concrete

Course Code: THVCD

Date/Times: Thurs, Jan 24, 1:00pm–5:00pm

Trainers: Chris Sullivan, Warren Ness, Brian Farnsworth, Jason Ryan

Location: LVCC Bronze Lot, Certifications & Training Area

Design possibilities are limitless with vertical decorative concrete finishes. As the vertical concrete industry continues to grow, end users are discovering the value of realistic 3-D custom rock veneers made from durable concrete products. This workshop with live demonstrations allows participants to observe and interact with highly skilled vertical concrete trainers. Participants will leave the class with an understanding of multiple finishes including foam core construction, over wood hand-carved stone with a custom graphic, hand-carved limestone and 3-D micro finish. Multiple coloration and sealing techniques for all vertical finishes will be demonstrated. This workshop and live demonstration will show these systems and finishes applied with an emphasis on trending colors and design elements as well as long-term durability in both interior and exterior settings.

SPECIAL NOTE: This workshop and live demo is a great complement to WE126, *Troubleshooting Decorative Concrete II—Stains & Sealers* presented by Chris Sullivan. **Seminar WE126** registrants will receive **\$20 discount** on THVCD workshop if purchased by 12/3/18.

THVCD Fee: \$315; \$295 when purchased with Seminar WE126 by 12/3/18; **\$365** after 12/3/18 and onsite
4.0 continuing education hours approved for AIA/CES LU, PDH and TCA.

INTERACTIVE WORKSHOPS

TRAIN-THE-TRAINER: Construction Forklifts

Course Code: MOCFT

Date/Times: Mon, Jan 21 | 8:00am-12:00pm

Instructor: Ron Overton

1. Employer must ensure that all employees have been properly trained, tested and evaluated on the safe use of the forklift in accordance with the federal law prior to operating one at work.
2. Operators must be retrained, retested and reevaluated whenever they are involved in an accident, near miss or observed operating unsafely.
3. All operators must be reevaluated every three years by the employer on their safe use of the forklift trucks.

In this 4-hour trainer workshop, employers' attendees will receive a complete in-house qualification program and training on how to implement. Participants will become authorized as in-house instructors to teach rules/regulations on how to properly inspect and operate class 1, 2, 3, 4, 5 & 7 forklift trucks (including tele-handers or reach trucks, warehouse trucks and pallet jacks). This program will assist employers in complying with the Federal Law requiring qualified forklift operators in your facilities and/or on the jobsite.

Participants will receive Trainer's Kit (valued at \$395) containing Trainer's Manual, PowerPoint presentation & script, practice quizzes with grading keys, practical evaluation forms, six forklift safety posters, twenty 32-page student handbooks and a tote bag.

MOCFT Fee: \$695; \$775 after 12/3/18 (Regularly \$895)

4.0 continuing education hours approved for AIA/CES LU, PDH and MCAA.

TRAIN-THE-TRAINER: Aerial and Scissor Lifts

Course Code: MOASL

Date/Times: Mon, Jan 21, 1:00pm - 5:00pm

Instructor: Ron Overton

URGENT NOTICE: As per the federal and state laws 29CFR1926.453 employers must ensure that all employees who operate Aerial Boom and Scissor Lifts are qualified persons who have been trained, passed a written exam and evaluated in their ability to operate the Aerial Boom and/or Scissor Lift safely, and perform the operating tasks required of them. (Proof of training or qualification must be available to OSHA upon request.)

1. Employer must ensure that all employees have been properly trained, tested and evaluated on the safe use of the Aerial Boom and Scissor Lifts in accordance with federal law prior to operating one at work.
2. Operators must be retrained, retested and reevaluated whenever they are involved in an accident, near miss or observed operating unsafely.
3. Fall protection requirements for Aerial Boom Lifts must be covered with each employee.

In this 4-hour trainer workshop, employers' attendees will receive a complete in-house qualification program and training on how to implement. Participants will become authorized as in-house instructors to teach rules/regulations on how to properly inspect and operate Aerial Boom, Scissor Lifts and Bucket Trucks.

Participants will receive Trainer's Kit (valued at \$395) containing Trainer's Manual, PowerPoint presentation & script, practice quizzes with grading keys, practical evaluation forms, twenty 28-page student handbooks and a tote bag.

MOASL Fee: \$695; \$775 after 12/3/18 and onsite (Regularly \$895)

4.0 continuing education hours approved for AIA/CES LU, PDH and MCAA.

TRAIN-THE-TRAINER: Fall Protection

Course Code: TUFPT

Date/Times: Tues, Jan 22, 8:00am - 12:00pm

Instructor: Ron Overton

URGENT NOTICE: Employers must ensure that all employees who are exposed to any falling hazard are trained, qualified and have demonstrated and verified ability to recognize falling hazards, understand the protection system in place, inspect their PFAS, and utilize it correctly and safely. (Proof of training and/or qualification must be available to OSHA upon request.)

1. Employer must ensure that all employees exposed to any falling hazard have been properly trained, tested and evaluated on the safe use of chosen fall protection system being utilized, prior to utilizing it for work.
2. All employees exposed to falling hazards should be refresher-trained and/or re-evaluated as employer deems necessary by their performance in the inspection and use of the fall protection system chosen to be utilized by the employer.

In this 4-hour trainer workshop, employers' attendees will receive a complete in-house qualification program and training on how to implement. Participants will become authorized as in-house instructors to teach your end-user the rules/regulations and techniques of how to properly recognize fall hazards, inspect and use the fall protection system chosen by the employer to mitigate the falling hazard.

Participants will receive Trainer's Kit (valued at \$695) containing Trainer's Manual, PowerPoint presentation & script, practice quizzes with grading keys, practical evaluation/checklist forms, 160-page competent person reference manual, ten 90-page student workbooks and a tote bag.

TUFPT Fee: \$845; \$945 after 12/3/18 and onsite (Regularly \$1295)

4.0 continuing education hours approved for AIA/CES LU, PDH and MCAA.

TRAIN-THE-TRAINER: Construction Loaders

Course Code: TUCLT

Date/Time: Tues, Jan 22, 1:00pm - 5:00pm

Instructor: Ron Overton

URGENT NOTICE: Federal law requires employers to ensure that all employees who operate Front End Loaders, Skid Steer Loaders, Log Loaders or Backhoes are qualified operators, who have been trained, passed a written knowledge verification check and trained, evaluated demonstrating their skill in the safe operation of the Loader as well as perform the operating tasks required of them. (Proof of training or qualification must be available to OSHA upon request.)

1. Describe Laws & Regulations applying to Loaders
2. Define Safe Operation and Inspection of Loaders
3. Complete In-House Training program
4. Explain How to be an Effective Trainer Instruction

In this 4-hour workshop, employers' attendees will receive a complete in-house qualification program and training on how to implement. Participants will become qualified as in-house instructors to teach rules/regulations on how to properly inspect and operate Front End Loaders, Skid Steer, Backhoe and Log Loaders.

Participants will receive Trainer's Kit (valued at \$695) containing Trainer's Binder, PowerPoint presentation & script, written knowledge check quizzes with grading keys, practical evaluation forms, twenty 48-page student handbooks and a tote bag.

TUCLT Fee: \$695; \$775 after 12/3/18 and onsite (Regularly \$1295)

4.0 continuing education hours approved for AIA/CES LU, PDH and MCAA.

CONSTRUCTION BOOT CAMP FOR FIELD LEADERS: Four Corners of Field Leadership Excellence

Course Code: MOLBC

Date/Times: Mon, Jan 21, 8:00am - 5:00pm

Instructor: Brad Humphrey

This Boot Camp is for the construction owner or senior leader who may need a tune-up and is trying to move their field leaders to the next level. It's also for the construction field leader who is fighting daily battles or struggling to bring their people along.

Articulation

- Five techniques to better communication
- Get your point across without losing respect AND your job
- Build confidence in your public presentation

Coordination

- Build better understanding between you and others
- Line out daily expectations with less confusion and greater productivity
- Keep your team organized, focused and coordinated

Organization

- Build next week's mindset by using the best planning tool
- Use of Daily AM and PM Huddles

- Keep your eyes on the week's production requirements and make adjustments

Acceleration

- Four tips to take your workers to the "next level" of success
- Develop vision; then learn how to cast that vision
- Ten time-management tools to make you the "Most Valuable Field Leader" in your company

Boot Camp attendees will receive a copy of:

- Next Week's Look Ahead
- AM/PM Huddle Card
- Field Leader's HR Pocket Coach©
- Leadership templates for company development efforts

REGISTRATION INCLUDES: workshop materials, morning coffee break and lunch.

MOLBC Fee: \$415; \$495 after 12/3/18 and onsite

8.0 continuing education hours approved for AIA/CES LU, PDH, MCAA and TCA.

BOOT CAMP FOR CONCRETE ESTIMATORS: Strategies & Risk Management Techniques

Course Code: TUEBC

Date/Times: Tues, Jan 22, 8:00am - 5:00pm

Instructors: Rocky Geans, Tommy Ruttura

This new & customized boot camp is designed to improve the accuracy and quality of concrete/masonry construction estimates. Both experienced estimators and new to the business estimators will walk away with tips, tools and a new understanding of being a thorough and confident estimator. Attendees will develop a system of deciding whether to bid a job, determining risks, identifying work scope, creating checklists to capture details, and utilizing a take-off sheet to complete a detailed estimate.

Project Selection

1. Why it's important to determine if a project is right for the company
2. Stop bidding projects that waste time
3. Increase success rate and profitability

Estimating and Bidding

1. Recognize differences in estimating and bidding
2. Outline skills required for estimating and bidding
3. Build a structure to provide a path to be successful at both
4. Identify overhead and process to capture overhead costs in the estimate

The Four Pillars of Estimating

1. What to look for on a job site visit
2. Development of a quantitative survey/take-off
3. The Estimate and buying the job out
4. Risk Management: Finding pitfalls in the proposal

Job Costing

1. Why job costing is critical to the estimate
2. Use job costing to identify potential failure and cost overruns before they occur
3. Build cost codes and cost types that make sense in the office and field

Boot Camp attendees will receive:

1. Estimating templates including questionnaires, materials & tools list, and estimate submittal package
2. Sample Estimates for additional educational support
3. Job cost history workbook download

REGISTRATION INCLUDES: workshop materials, morning coffee break and lunch.

TUEBC Fee: \$415; \$495 after 12/3/18 and onsite

8.0 continuing education hours approved for AIA/CES LU, PDH, MCAA and TCA.