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CCSP I: Introduction to Concrete Fundamentals—Concrete 101

October 10-13, 2017 | Silver Spring, MD

Why attend: When non-technical staff interact with customers and the rest of your team, it's important that they understand the fundamentals of concrete. From a review of materials, to pre-placement conferencing, delivery, placing, troubleshooting and more, this course will give them the information they need to increase productivity and customer satisfaction.

Who should attend: Send all your non-technical staff.

Program Agenda:

Session 1 – Fundamentals of Concrete: An overview of concrete properties, to include plastic and hardened concrete, and the variables that influence concrete quality.

Session 2 – Component Materials of Concrete: An introduction to component materials and an explanation of their properties and interdependency in concrete.

Session 3 – Proportioning Concrete Basics and Pre-Placement Conferences: Provides an understanding of proper mix designs and the methods and standards for quality mix proportioning. This session also includes pre-placement conferences: why they are critical, who should be involved, and the benefits to concrete producers and their customers.

Session 4 – Batching, Mixing and Delivery: The requirements for batching, mixing and delivery of ready mixed concrete are covered in this session. Topics include yield, tolerances in slump, entrained air, batch plants, batching control systems, concrete inspection and testing.

Session 5 – Handling, Placing, Finishing and Curing Concrete: An overview of the proper procedures involved in consolidating and handling methods are included in this session. Specifically, transporting on site, forms, placement tips, curing, and precautions for hot and cold weather concreting are explored in detail.



Session 6 – Basic Concrete Troubleshooting:

This session includes troubleshooting issues such as workability, placeability, finishability, and the problems associated with cracking, crazing, and dusting. It also provides an explanation of troubleshooting yield and an introduction to addressing concrete strength concerns.

Register Today

Visit www.NRMCA.org/go
or fax back the registration form to
Jessica Walgenbach: (301) 565-8200
or call (888) 846-7622 x1152
email: jwalgenbach@nrmca.org

Course Information

Shawnta Dickens
(888) 846-7622 x1154
email: sdickens@nrmca.org

**Save \$100 Per Class
When Registering
1 Person
for All 4 Classes**

CCP^f

This course is part of NRMCA's Seminars, Training and Education Programs, STEPS[®], and earns you credit towards becoming a CCP^f, a Certified Concrete Professional, The highest professional designation in the industry.

STEPS
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NRMCA

NRMCA's CCSP MODULE I: Intro to Concrete

Fundamentals - Concrete 101

Silver Spring, MD | October 10-13, 2017

Class: Tuesday – Thursday 8am - 5pm

Exam: Friday 8am - 10:30am

NRMCA reserves the right to close registration in order to not exceed capacity, early registration is encouraged.

Submit separate form for each registrant. Save a copy for your files.

Name/Title

Company

Address (No PO Boxes)

City/State/Zip

Phone/Fax /Email

Emergency Contact Name/Phone

Supervisor Name/Title

Address

City/State/Zip

Phone/Fax/Email

Special Needs (Attach special needs information)

I will sit for the exam on Friday, October 13, 2017 Yes No

This exam is optional but required to fulfill the certification requirement

Course Location:

RMC Research & Education Foundation Center
719 Ellsworth Drive
Silver Spring, MD 20910

Hotel Information: NRMCA has not contracted a block of rooms for this event but that suggest 3 hotels within a short walk of the course location.

NRMCA suggests 3 hotels within a short walk of the class location:

DoubleTree by Hilton
8727 Colesville Road
Silver Spring, MD 20910
Phone: (301) 589-5200

Hampton Inn Silver Spring
8728 Colesville Road
Silver Spring, MD 20910
Phone: (301) 588-5887

Marriott Courtyard
8506 Fenton Street
Silver Spring, MD 20910
(800) 627-7468

Closest Airport: There are 3 airports into Metro Washington DC. We suggest flying into BWI (Baltimore Washington International) or Reagan National (DCA). The third is Dulles (IAD).

Return flights should NOT be made before 1:00PM Friday, October 13, because of the exam schedule.

Airport Shuttle Info: Transportation to and from airport can be made with Super Shuttle, (800) 258-3826. Shuttle reservations must be made in a minimum of 24 hours advance for either direction.

Registration Fees

\$995 NRMCA Member \$1395 Non-Members

Group discounts for NRMCA Members only

Register 3-5 Members and receive a 10% discount on each registration
Register 6 or more members and receive a 15% discount on each registration. Please submit separate registration forms for all attendees.

Payment Method:

Check (make check payable to NRMCA)

Mail registration form and check to:
SunTrust Bank, c/o NRMCA
P.O. Box 79433
Baltimore, MD 21279

VISA MasterCard AmEx

Card Number Exp. Date

Name on Credit Card (print)

Signature

For credit card payment, fax form to:

Jessica Walgenbach, Meetings. Dept., NRMCA, (301) 565-8200

Credit card or check, must accompany registrations. NRMCA no longer accepts P.O.#'s. Please provide a credit card number or check with all registrations.

Important: NRMCA reserves the right to cancel this event. If cancelled, NRMCA will notify registrants via fax or e-mail by COB, **Friday, September 15, 2017**. (NRMCA will refund the entire registration fee, but is not responsible for airline and hotel reservation fees.) Class confirmations will be sent after this possible cancellation date. It is advisable not to make travel arrangements until you receive your confirmation.

You are responsible for making and paying for your own hotel and travel arrangements.

Please provide e-mail addresses for all requesting to receive registration confirmations: (notification does not guarantee that class will run)

Email address Email address

Cancellation Policy: Full cancellation refunds, less a \$100 administration fee, will be extended until **Friday, September 15, 2017**. All cancellations after that date will not be refunded. Fee cancellations cannot be transferred to a future class. Registration cancellations must be made in writing to:

NRMCA Meetings Dept.
900 Spring Street
Silver Spring, MD 20910
Or, faxed to (301) 565-8200

For additional registration information, contact:
Jessica Walgenbach, (240) 485-1152 or by e-mail at jwalgenbach@nrmca.org.

Seminar follows all federal anti-trust guidelines.

This course earns credit towards a CCP^f (Certified Concrete Professional) certification, the highest professional designation in the industry. For more information, visit www.nrmca.org/steps



For NRMCA Use Only Date Processed: _____ Confirmed: _____