



CONCRETE MASONRY TESTING PROCEDURES COURSE

October 6-8, 2011

NCMA Headquarters – Herndon, Virginia

Course instruction will alternate between classroom and laboratory settings. Classroom instruction will be used to review in detail the requirements of various masonry testing standards published by ASTM and other organizations and to discuss important concepts necessary to properly evaluate the properties of concrete masonry and concrete masonry materials. Among those topics included in the course are:

- CMU Compression, Absorption, and Dimension Evaluation (ASTM C140)
- CMU Drying Shrinkage Testing (ASTM C426)
- Freeze Thaw Durability Testing (ASTM C1262 & C1645)
- Mortar Testing (ASTM C270 and C780)
- Grout Testing (ASTM C476 and C1019)
- Unit Specifications (ASTM C90, C1372, C936, C55, C1634, D6684)
- Prism Testing (ASTM C1314).

In addition to reviewing testing procedures and requirements for conventional concrete masonry units, testing procedures for the following specialty units will also be discussed.

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|--------------------------------|-----------------------------|
| concrete paving units | articulating concrete block |
| concrete brick | concrete grid paving units |
| segmental retaining wall units | |

Laboratory sessions will be used to translate classroom knowledge into hands-on experience.

About the Instructors

Nicholas Lang—Manager of NCMA Research and Development Laboratory
 Douglas H. Ross—Laboratory Supervisor
 Michael A. Maroney—Production Specialist

The instructors have over 40 years of combined experience in testing, product, and construction of concrete masonry products, and oversee research and testing performed in the NCMA Research and Development Laboratory. They are also active in various ASTM committees responsible for the development and maintenance of specifications and test methods for masonry products.

Who Should Attend?

FAX this flyer to your local labs today!!! Lab Managers / Supervisors, Lab Techs, Plant Quality Control Supervisors, Masonry Technical Service Reps, Masonry Sales Personnel, and Construction Specifiers.

Register me for the NCMA Concrete Masonry Testing Procedures Course and CCMTT™ Certification Program!

Name	
Badge/Informal Name	
Title	
Company	
Billing Address	
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Email	
Method of Payment	
<input type="checkbox"/> NCMA Member <input type="checkbox"/> Nonmember	
___ Bill \$595 to my NCMA Account (NCMA Members only)	
Check payable to NCMA enclosed for ___\$595 (NCMA Member) / ___\$695 (nonmember)	
Charge ___\$595 (NCMA Member) / ___\$695 (nonmember) to my credit card: ___VISA ___MC ___AMEX	
Card #	exp. date
Name as it appears on card	Card Verification Code#

For more information, please contact
 Brittaney R. K. Thompson at
 bkamhong@ncma.org
 or 703-713-1900.

CANCELLATION POLICY
 Students canceling less than two weeks before the first day of the course shall be refunded 50% of the tuition fee.

Please return this registration form to

NCMA ♦ 13750 Sunrise Valley Drive ♦ Herndon, Virginia 20171 ♦ fax 703-713-1910 ♦ email bkamhong@ncma.org