

**ACI International Northeast Texas Chapter**

# CONCRETE TECHNOLOGY



## Education Programs

***Short Courses and Discrete Programs for the Concrete Construction Industry in Dallas/Ft. Worth***

**CONCRETE TECHNOLOGY.** This program is designed as an introduction into the ready-mix and concrete industry. Industry professionals and experts in their fields teach the courses. Application and field practice are emphasized along with some of the basic material science concepts. Books, handouts, and CD's of the presentations are included in the cost of the course and individual classes. The classes will be held at Brookhaven College's Ellison Miles Geotechnology Institute at 6:30 pm.

Title	Description
<b>Cement production and chemistry</b> September 28, 2010	Manufacture and production of cement. ASTM classifications and chemical differences will be explored. Basic cement chemistry and interactions will be discussed. <b>Todd Hinton, Ash Grove Texas, LP</b>
<b>Supplementary Pozzolanic Materials</b> September 30, 2010	Use of pozzolanic replacement materials in concrete including fly ash, blast furnace slag, silica fume, and others. <b>Gene Marter, Cementitious Materials Consultant, Inc.</b>
<b>Aggregates</b> October 5, 2010	Production, classifications, and testing of both course and fine aggregates. <b>Gary Lee, Lattimore Materials Company</b>
<b>Chemical Admixtures</b> October 7, 2010	Different ASTM classifications of admixtures, their use, and basic chemical interactions during the hydration process. <b>Gabor Acs, Pro Mix Technologies</b>
<b>Concrete Mix Design</b> October 12 & 14, 2010	Formulation of concrete mix designs, and selection of materials. <b>Victor Villarreal, TXI Operations, LP</b>
<b>Laboratory Mix Design</b> October 19, 2010	Design, batch and cast concrete cylinders. Includes standard field tests. <b>Terracon Laboratory, 8901 Carpenter Freeway, Dallas, Texas</b>
<b>Concrete Production &amp; Quality Control</b> October 21, 2010	Discussion on production, testing, and evaluation of quality concrete. ASTM and ACI production standards will be discussed. <b>Curtis Lee, Southern Star Concrete</b>
<b>Concrete at the Jobsite</b> October 26, 2010	Jobsite preparation, placement techniques, finishing methods, and curing essentials. Testing laboratory and field quality control issues will also be addressed. <b>Victor Bretting, TAS Commercial Concrete Construction</b>
<b>Architectural Concrete</b> October 28, 2010	Discussion of the multitude of architectural concrete applications. Issues regarding mix designs, forming, placement and finishing will also be addressed. <b>Leo Fellin, TXI Architectural Sales Manager</b>
<b>Hot/Cold Weather Concrete</b> November 2, 2010	Design, production, and placement of concrete in both hot and cold weather conditions. Hardened concrete problems, causes, and assessments will also be addressed. <b>Lyndon Cox, Terracon Consultants, Inc.</b>
<b>Concrete Problem Solving</b> November 4, 2010	Approaches to concrete problem solving for both fresh and hardened concrete. Numerous case examples will be used for discussion. <b>Dan Jeray, Redi-Mix Concrete</b>
<b>In-Place Testing of Concrete</b> November 9, 2010	Review of different methods to estimate the in-place strength of existing concrete. <b>Eric Cleveland, Terracon Consultants, Inc.</b>
<b>Final Exam</b> November 11, 2010	Evaluation and application of course knowledge <b>Eric Cleveland, Terracon Consultants, Inc.</b>

The individual classes are 3.0 hours long, with the entire course taught over 7 weeks, 2 classes per week. Each class will count for 3.0 contact hours for PDH or CEU as needed. To register for the course or a single class, please contact Eric Cleveland, P.E. at 214-630-1010 or [ejcleveland@terracon.com](mailto:ejcleveland@terracon.com). Fee is nonrefundable, although it may be transferred to another person for this course at dates indicated. **Due to limited space, attendance will be limited to the first 32 applications for the entire course.** Arrangements for attending individual courses will also be available. Cost for the course is as follows:

\$350 for the entire course

\$40 for each individual class

**For firms with numerous employees attending**

\$325 for 2 to 5 employees

\$300 for 6 to 10 employees

\$275 for 11 or more employees

To Register:

Fill out registration form and make check out to The Northeast Texas Chapter ACI and mail to:

Eric Cleveland, P.E.  
Terracon  
8901 Carpenter Freeway, Suite 100  
Dallas, Texas 75247

**Please contact me at the above listed phone or e-mail address if you have any questions or desire further information.**

**Registration Form**

Name & Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Business Phone \_\_\_\_\_

Birth Date (needed by Brookhaven) \_\_\_\_\_

E-Mail Address \_\_\_\_\_

Full Course? Yes \_\_\_\_\_

Individual Classes? \_\_\_\_\_

**If individual classes, please indicate classes you wish to attend:**

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_

4) \_\_\_\_\_