

## Important Information:

The ACI CCSI Certification meets the requirements of the New Jersey Department of Community Affairs and Department of Transportation for concrete and reinforcing steel inspections.



## ACI Concrete Construction Special Inspector (CCSI) September 2010

### NJ Chapter ACI

25 Ireland Brook Drive  
North Brunswick, NJ 08902  
Tel: 732.940.1803 Fax: 732.940.1804  
E-mail: djnjaci@aol.com www.njaci.com

Please complete the following form and return it with payment as soon as possible. The class will be filled on the basis of payment received. Class fees will not be reimbursed after the first session begins. Class will be cancelled if an insufficient number of students have registered. ACI will issue certificates to students who successfully complete the course.

Name: \_\_\_\_\_

Address: \_\_\_\_\_ City/State: \_\_\_\_\_ Zip: \_\_\_\_\_

Company Affiliation: \_\_\_\_\_ (Work) \_\_\_\_\_ (Fax) \_\_\_\_\_

Tel: (Home) \_\_\_\_\_ (Cell) \_\_\_\_\_ (E-mail) \_\_\_\_\_

Prerequisite: ACI Concrete Field Testing Technician Grade 1 Certification (I.D.# \_\_\_\_\_)

**Must be registered and paid by September 10, 2010**

*There will be a \$50.00 service charge for cancellations, rescheduling, or replacements.*

EVENING CLASSES, 4:30 pm to 9:00 pm (Refreshments will be served)

CLASS LOCATION

\_\_\_\_\_ Course Dates :

Wednesday September 29  
Wednesday October 6  
Wednesday October 13  
Wednesday October 20  
Wednesday November 3  
Exam Date : Tuesday November 9

Port Authority of NY & NJ  
Technical Center  
241 Erie Street - Room #234  
Jersey City, NJ 07310

Choose one of the following:

\_\_\_\_\_ Full instruction, study package and both examinations... \$ 775.00 -- NJ ACI Member discounted fee

\_\_\_\_\_ Full instruction, study package and both examinations ... \$ 875.00 -- Non-Member fee

\_\_\_\_\_ \* Self study - No instruction, a study package, both examinations \$ 550.00 -- NJ ACI Member discounted fee

\_\_\_\_\_ \* Self study - No instruction, a study package, both examinations \$ 600.00 -- Non-Member fee

\_\_\_\_\_ Retest: Plans Reading only...\$85.00 / Written only...\$135.00 / Both Plans Reading & Written exams...\$220.00

Make check payable to NJ CHAPTER ACI and send with application to:  
NJ Chapter ACI, 25 Ireland Brook Drive, North Brunswick, NJ 08902

Certification Contact: Dianne Johnston

SEE OTHER SIDE FOR COURSE DESCRIPTION

# ACI Concrete Construction Special Inspector

## Definition

A Concrete Construction Special Inspector is a person qualified to inspect and record the results of concrete construction inspection based on codes & job specifications. The program covers inspection during preplacement, placement, & post-placement operations. An Associate Concrete Construction Special Inspector is a person who is knowledgeable about inspection procedures for concrete construction, including preplacement, placement, and post-placement operations; but does not have the experience required to qualify as an ACI Concrete Construction Special Inspector.

## Scope and Knowledge

The programs require a knowledge of concrete construction, including plans reading, formwork installation and removal, reinforcements, embedments, sampling and testing freshly mixed concrete, conveying, placing, consolidation, finishing, jointing curing, and protection. The technical resource materials used in these programs include the following:

### **ACI PUBLICATIONS**

SP-2 - Manual of Concrete Inspection  
116R - Cement and Concrete Terminology  
117 - Tolerances for Concrete Construction and Materials  
301 - Specifications for Structural Concrete  
302.1R - Floor and Slab Construction  
304R - Measuring, Mixing, Transporting and Placing Concrete  
304.2R - Placing Concrete by Pumping Methods  
304.5R - Batching, Mixing, and Job Control of Lightweight Concrete  
305R - Hot Weather Concreting  
306R - Cold Weather Concreting  
308 - Curing Concrete  
309R - Consolidation of Concrete  
311.4R - Guide for Concrete Inspection  
318 - Building Code Requirements for Reinforced Concrete  
347R - Formwork for Concrete

### **ASTM PUBLICATIONS**

C 29 - Unit Weight and Voids in Aggregates  
C 94 - Specification for Ready-Mixed Concrete  
E 329 - Evaluation of Testing and Inspection Agencies

### **OTHER PUBLICATIONS**

MSP-1 - Manual of Standard Practice, Concrete Reinforcing Steel Institute  
EB001 - Design and Control of Concrete Mixtures, Portland Cement Assoc.

## Certification Requirements

Concrete Construction Special Inspector

ACI will grant certification only to those applicants who:

- 1) Hold current certification as an ACI Concrete Field Testing Technician - Grade I;
- 2) Obtain a passing grade on the written inspection examination;
- 3) Obtain a passing grade on the written plans reading examination;
- 4) Possess at least one of the following qualifications:
  - A) A Minimum of two years of college or technical school, earning at least 60 credit hours, plus two years of satisfactory work experience, or
  - B) A high school diploma, or equivalent, plus a minimum of three years of satisfactory work experience, or
  - C) Five years of satisfactory work experience.

The work experience must include:

- 1) Decision making authority and responsibility
- 2) Verification of compliance with plans, specifications, and codes
- 3) Evaluation of concrete construction in the field
- 4) Documentation and reporting of inspection results
- 5) Proficiency in appropriate areas of concrete construction inspection

Verification of the amount and range of work experience by the applicant's employer(s) is required.

The three-hour written inspection examination is "open book" and consists of approximately 80 multiple choice questions. The one-hour plans reading examination consists of approximately 20 questions and is designed to test the examinee's ability to read and understand engineering drawings. The minimum passing grade for each examination is 70%.

## Associate Concrete Construction Special Inspector

ACI will grant certification to those applicants who meet the Field Technician prerequisite and pass both written examinations.

Individuals with Associate certification can upgrade to full Inspector status upon submittal and approval of sufficient education/work experience. Recertification is necessary every five (5) years, and requires successful completion of the written examinations.

## Study Material Title: Inspector Reference Package (CP21)

Description: This package contains all of the resource materials needed to properly prepare for certification as an ACI Concrete Construction Inspector. The ring binder contains the following materials: Inspector Workbook (includes program information, lesson plan, study aids, work experience forms and instructions); reprints of ACI documents (including ACI's Manual of Concrete Inspection, SP-2); reprints of ASTM documents; PCA's Design & Control of Concrete Mixtures, and CRSI's Manual of Standard Practice.