

Pittsburgh Area Chapter ACI

Now Offers Online Preparation for ACI Certification Exams

Train anytime, anywhere with ACI eLearning



Now you can train online – on your schedule – for ACI Certification Exams. **Pittsburgh Area Chapter ACI** now offers the option of ACI eLearning to prepare you for the following ACI Certification program:

- Concrete Field Testing Technician – Grade I

This ACI eLearning course is designed for individual users to take anytime, anywhere. The ACI eLearning course prepares you for the written exam, and with the right hands-on training, for the performance exam.

The course includes all the content in the **ACI Certification Workbook**, including practice exams and ASTM standards, PLUS:

- Demonstration videos of all performance tests required for ACI Certification;
- Interactive exercises and questions;
- Post-training quizzes on each module;
- Ability to stop & re-start at your convenience; and
- “Training Acknowledgement” document for successful completion of the course.

In addition to eliminating travel costs, you’ll save money by using the LSG Promo Code below to receive a 10% discount on the courses.

Course	Regular Price	Your Special Price
Concrete Field Testing Technician – Grade I	\$149	\$134.10

So whether you’re recertifying or taking the exams for the first time, ACI eLearning can help you prepare.

To take advantage of this offer, go to www.acieLearning.org; be sure to include the LSG Promo Code **LSG33** during the online purchasing process (or on the offline order form) to get your 10% discount.

For more info and course descriptions, go to www.acieLearning.org or see the following pages.



Certification Course:

Concrete Field Testing Technician – Grade I

- Covers all 7 ASTM Standards on the exam; and
 - Contains 6 modules providing a total of 3 to 6 hours of study material.
- 1) Sampling and Testing Freshly Mixed Concrete and Temperature;
 - 2) Testing for Slump of Hydraulic-Cement Concrete;
 - 3) Testing for Density, Yield, and Air Content of Concrete;
 - 4) Testing for Air Content of Freshly Mixed Concrete by the Pressure Method;
 - 5) Testing for Air Content of Concrete by the Volumetric Method; and
 - 6) Making and Curing Concrete Test Specimens in the Field.

Q: Who are the ideal users?

A: Technicians seeking recertification, new certification candidates, and anyone interested in learning about proper concrete testing methods.

Q: What do these courses prepare a student for?

A: The eLearning courses prepare a person for the written ACI Certification Exams. In addition, the videos in the eLearning courses help prepare students for the Performance Exams. For a user to be fully prepared for the Performance Exam, a combination of eLearning and live training / on-the-job-training is strongly recommended.

Concrete Field Testing Technician (FTT)—Grade I

The Concrete Field Testing Technician—Grade I course has been developed to train concrete technicians to properly perform basic field tests on freshly mixed concrete in preparation for taking the ACI Certification written and performance exams.

- Course length: Approximately 3 to 6 hours; and
- Successful participants earn 0.475 CEUs.

Designed for:

- Concrete technicians who must have the knowledge and ability to perform basic field tests on freshly mixed concrete.

Modules:

	<u>CEUs</u>
1) Sampling and Testing Freshly Mixed Concrete	0.075
2) Testing for Slump of Hydraulic-Cement Concrete	0.075
3) Testing for Density, Yield, and Air Content of Concrete	0.075
4) Testing for Air Content of Freshly Mixed Concrete by the Pressure Method	0.075
5) Testing for Air Content of Concrete by the Volumetric Method	0.075
6) Making and Curing Concrete Test Specimens in the Field	0.1

Every module includes:

- Reading assignments;
- Learning activities in the form of multiple choice, true/false, or matching questions; and
- Lesson summaries and practice questions at the end of the module.

After completing this course, you will be able to:

- Explain the need for sampling freshly mixed concrete;
- Describe the standard requirements and procedures for sampling freshly mixed concrete;
- Describe the procedure for measuring the temperature of freshly mixed hydraulic-cement concrete;
- Identify the testing apparatus for measuring the temperature of freshly mixed concrete;
- Define slump;
- Describe the procedure for measuring the slump of freshly mixed hydraulic-cement concrete;
- Identify the testing apparatus for measuring the slump of freshly mixed hydraulic-cement concrete;
- Report the slump test result using appropriate terminology;
- Define the terms density, yield, and air content;
- Identify the apparatus used for measuring the density of concrete;
- Select the appropriate consolidation method for measuring the density of concrete;
- Describe the procedure for measuring the density of concrete;
- Identify the basic terminology associated with the calculation of density, yield, and air content;
- Calculate density, yield, and air content;
- Identify the information to be reported;
- Identify the apparatus used for measuring the air content of concrete using the pressure method;
- Describe the procedure for measuring the air content of concrete using a Type B meter;
- Calculate the Aggregate Correction Factor using experimental data;
- Calculate the air content of concrete used as the test sample in the pressure method;
- Identify the information to be reported in the test results;
- Identify the apparatus used for measuring the air content of concrete using the volumetric method;
- Describe the procedure for measuring the air content of concrete using the volumetric method;
- Calculate the air content of concrete used as the test sample in the volumetric method;
- Identify the need for molding concrete test specimens in the field;
- Describe the testing requirements for molding cylindrical and beam concrete specimens;
- Identify the apparatus used for molding cylindrical and beam concrete test specimens;
- Describe the procedure for molding cylindrical and beam concrete test specimens;
- Identify the need for curing molded concrete specimens;
- Identify the methods for curing molded concrete specimens;
- Describe the standard requirements for curing beam and cylindrical concrete specimens; and
- Describe the standard requirements for transporting concrete specimens to a laboratory for testing.