

Masonry Laboratory Training

ACI Training Seminars



ONE DAY PROGRAM FOR UP TO 10 PARTICIPANTS

This training program provides a classroom review and hands on demonstration of various procedures, test methods, and equipment required to be able to properly perform multiple tests for masonry materials and specimens in the laboratory. Focus will be on methodology and understanding the results of each test.

Cost - This training program is offered for \$329 and includes Program binder including best practices and Study guide for Masonry Laboratory Testing Technician.

Who should attend: Staff at Testing Laboratories, Masonry Contractors, and Ready Mix Concrete Batch facilities who routinely test masonry materials used for construction, including laboratory staff, QA/QC Supervisors, project managers, Code Enforcement officials, City inspectors, or anyone interested in how to properly test masonry construction in the field.

Program Content:

Testing

Why do we test? What can we test? When do we test? How do we test?

Fundamentals of Masonry Laboratory Testing

Classroom and Laboratory hands-on training; Best practices and tips; How to interpret the results and identify common errors

Use, Maintenance, and Calibration of Equipment

How to properly use equipment; How to maintain and routinely calibrate equipment

ASTM Standards

These test methods will be included in the classroom and the hands-on training in the laboratory:

- ASTM C140 – Sampling and Testing CMU's
- ASTM C1019 – Sampling and Testing Grout
- ASTM C780 Annex A4 – Mortar Aggregate Ratio
- ASTM C780 Annex A6 – Compressive Strength of Mortar
- ASTM C1552 – Capping CMU's

These specifications will be discussed:

- ASTM C90 Specification for Load Bearing Concrete Masonry Units
- ASTM C270 – Specification for Mortar for Unit Masonry
- ASTM C1314 – Compressive Strength of Masonry Prisms
- ASTM C39 – Compressive Strength of Cylindrical Concrete Specimens
- ASTM C109 – Compressive Strength of Hydraulic Cement Mortars
- ASTM C617 – Capping Cylindrical Concrete Specimens

Instructors:

Michael Morrison, Manager, Certification Program Development, has over 35 years of experience in the cement and concrete industry.

Rusty Owings, Resource Center Manager, has over 20 years of experience in the design and construction industry.

This is a training session ONLY and ACI certification is NOT part of this program.



American Concrete Institute
Always advancing

www.concrete.org/socalresourcecenter.aspx