Cost - This training program is offered for $399 and includes Program binder for best practices and Study guide for Physical Tester.

Who should attend: Laboratory staff who tests cement and cementitious materials, including new laboratory staff members, QA/QC supervisors/managers, lab supervisors, project managers, or anyone interested in the basics of testing cementitious materials.

Program Content:

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

Fundamentals of Cement 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 C109 – Compressive Strength of Mortar
• ASTM C151 – Auto clave Expansion
• ASTM C187 – Normal Consistency of Cement
• ASTM C191 and ASTM C266 – Time of Set
• ASTM C185 – Air Content of Mortar
• ASTM C1437 – Flow Determination of Mortar
• ASTM C451 – False Set of Paste and ASTM C451 – Mortar
• ASTM C204 – Blaine Fineness
• ASTM C430 – Fineness by the 45-mm (#325) Sieve

These additional standards and specifications will be discussed:
• ASTM C150 – Portland cement and
• ASTM C1157 – Hydraulic cement

Testing for Optional ASTM Requirements
(Upon Request - Additional fees and time required)
Sulfate resistance • False set • Drying shrinkage • Mortar expansion (ASR)

Other Cementitious Materials
Blended cement • Fly ash • Slag cement • Silica fume

Interested? Contact your regional ACI Resource Center to set up your training!

For more information or to set your training dates, contact an ACI Resource Center near you:

ACI Southern California Resource Center
Call 248-516-1111 or E-mail socal.resourcecenter@concrete.org

ACI Chicago/Midwest Resource Center
Call 248-516-1112 or E-mail midwest.resourcecenter@concrete.org

ACI Mid-Atlantic Resource Center
Call 248-516-1113 or E-mail midatlantic.resourcecenter@concrete.org

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