

ACI Laboratory Technician Certification Program: Concrete Laboratory Testing Technician - Level 1

Certification Program:

ACI Laboratory Technician Certification Program

Certification Level:

Concrete Laboratory Testing Technician - Level 1

Definition

A Concrete Laboratory Testing Technician - Level 1 is an individual who has demonstrated the knowledge and ability to properly perform, record, and report the results of basic laboratory procedures for aggregates and concrete.

Scope and Knowledge

The program requires a working knowledge of the following AASHTO and/or ASTM Standards:

C617 - Capping Cylindrical Concrete Specimens

C1231 - Unbonded Caps for Concrete Cylinders

C39 - Compressive Strength of Cylindrical Concrete Specimens

C78 - Flexural Strength of Concrete (Using Simple Method with Third-Point Loading)

T2 / D75 - Sampling of Aggregates

T248 / C702 - Reducing Samples of Aggregate to Testing Size

T11 / C117 - Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing

T27 / C136 - Sieve Analysis of Fine and Coarse Aggregates

T85 / C127 - Specific Gravity and Absorption of Coarse Aggregate

T84 / C128 - Specific Gravity and Absorption of Fine Aggregate

T255 / C566 - Total Evaporable Moisture Content of Aggregate by Drying

T21 / C40 - Organic Impurities in Fine Aggregates for Concrete

Certification Requirements

ACI Concrete Laboratory Testing Technician - Level 1 certification requires successful completion of [ACI Concrete Strength Testing Technician](#) and [ACI Aggregate Testing Technician - Level 1](#) certification within 2 years of each other.

ACI certification for Concrete Laboratory Testing Technician - Level 1 is valid for a period of five [5] years from the date of completion of all certification requirements.

Study Material

Order Code: CP19-14

Title: Technician Workbook for ACI Certification of Concrete Strength Testing Technician

Description: This workbook contains information about the ACI Concrete Strength Testing Technician (CSTT) certification program, study questions, sample checklists, and a practice exam as well as reprints of all of the resource materials referenced by the certification examinations. The CSTT program covers the following ASTM Standards: C39, C78, C617, and C1231.

Order Code: CP44-14

Title: Technician Workbook for ACI Certification of Aggregate Testing Technician - Level 1

Description: This workbook contains information about the ACI Aggregate Testing Technician - Level 1 (ATT1) certification program, performance checklists, and reprints of all of the resource materials referenced by the certification examinations.