



**AMERICAN CONCRETE INSTITUTE**  
**CONCRETE FIELD**  
**TESTING TECHNICIAN**  
**GRADE I CERTIFICATION EXAM**

**Fall 2024**  
**Registration**  
**Information**



The following pages provide important information on the exam criteria, exam locations, exam materials and more.

This program is intended as a review in preparation for certification testing.  
**It is not for instructional purposes.**

**Please review this brochure carefully and completely**

to help you prepare for your exam, review testing procedures and a list of items to bring to the exam, plus, how to verify your certification after the exam.

**Test Procedures:**

ASTM test procedures covered include:

- C1064/C1064M—Temperature of Freshly Mixed Hydraulic-Cement Concrete
- C172/C172M—Sampling Freshly Mixed Concrete
- C143/C143M—Slump of Hydraulic-Cement Concrete
- C138/C138M—Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete
- C231/C231M—Air Content of Freshly Mixed Concrete by the Pressure Method
- C173/C173M—Air Content of Freshly Mixed Concrete by the Volumetric Method
- C31/C31M—Making and Curing Concrete Test Specimens in the Field



**Written Exam**

Timed one-hour exam, closed book, 55 multiple-choice questions, 5 to 10 questions on each ASTM test methods/practices.

**Performance Exam**

Closed book, requiring actual demonstration of 6 of the required test methods/practices, plus a verbal description of practice C172/C172M (sampling).

**To Pass**

Written exam - at least 60% correct for each of the test methods/practices AND a minimum score of 70%. Performance exam - ability to perform and/or describe all the required steps for each of the six required test methods.



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