

CERTIFICATION CLASSES



2018 CERTIFICATION CLASS SCHEDULE

ACI Field Testing Technician, Grade 1 (MDOT Class 1)

March 6-7 MDOT Central Lab, Jackson, MS
March 21-22 MDOT District #1 Auditorium, Tupelo, MS
October 9-10 MDOT Central Lab, Jackson, MS

ACI Aggregate Testing Technician - Level 1 (MDOT Class 2)

February 6-7 MDOT Central Lab, Jackson, MS
November 6-7 MDOT Central Lab, Jackson, MS

ACI Aggregate Testing Technician - Level 2

July 24-25 MDOT Central Lab, Jackson, MS

ACI Strength Testing Technician

June 5-6 MDOT Central Lab, Jackson, MS
December 4-5 MDOT Central Lab, Jackson, MS

ACI Concrete Flatwork Technician/Flatwork Finisher

Feb. 20, 22 & Mar. 1 ABC of MS, Pearl, MS

MDOT Class 3 Concrete Technician

May 1-3 MDOT Central Lab, Jackson, MS

NRMCA Pervious Concrete Contractor

Feb. 28 & Mar. 1 MSAGC, Gulfport, MS

Retest Dates for Written Exam Only

February 7 MDOT Central Lab, Jackson, MS
May 3 MDOT Central Lab, Jackson, MS
June 6 MDOT Central Lab, Jackson, MS
July 25 MDOT Central Lab, Jackson, MS
November 7 MDOT Central Lab, Jackson, MS
December 5 MDOT Central Lab, Jackson, MS

Class begins at 8 am except for Flatwork which will begin at 3 pm.
All retest classes begin at 1 pm. For more information, call MCA at
601-957-5274.

Registration and General Information

Registration Information:

Class space is held only after receipt of completed registration form and payment. Confirmation or study guide will not be sent until payment is received by MCA. Online registration will be available soon at www.mississippiconcrete.com.

Registration substitutions are allowed within a company once per student with prior written approval by MCA with no penalty. Substitution information will not be taken over the phone. A new study guide will not be issued to substitutes. Books may be purchased at book price plus shipping and handling. Please submit completed registration form by email to jmilstead@mississippiconcrete.com.

Study Guides:

Registrants receive one book with full registration. Materials are mailed out 2 weeks prior to class. Additional books are available for purchase at book price plus shipping and handling. Retest students are not mailed new study guides.

Travel: Registrants are responsible for their own accommodations and meals.

Bring the following: Current photo ID, study guide, pencils and calculator. Cell phone may not be used as a calculator.

Time: Class begins at 8 am except for Flatwork which begins at 3 pm. An agenda will be mailed with study guide. All retest classes begin at 1 pm.

Cost: All classes EXCEPT MDOT Class 3:
\$485 MCA Members/MDOT or State Aid Employees
\$685 Non-Members

MDOT Class 3 ONLY:
\$675 MCA Members/MDOT or State Aid Employees
\$975 Non-Members

Retest Written Exam Only:
\$285 MCA Members and Non-Members

Cancellation Policy:

- Cancellation must be submitted in writing (email accepted).
- If cancellation is received 14 days or more prior to class date, the class registration fee will be refunded, and the student may reschedule one time for a future class with no penalty.
- If cancellation is received less than 14 days prior to class date, a refund will be issued minus a \$150 administrative fee. The student may reschedule one time for a future class with no penalty.
- No-shows will not receive a refund and will not be allowed to reschedule. The student must begin the registration process over.

AMERICAN WITH DISABILITIES ACT: Performing the performance section of the ACI exams requires physical activity. If you cannot perform the test due to a disability, you must submit documentation supporting your ADA claim by a doctor. Documentation from a medical professional must include a detailed description of the disability and the limitation (example unable to lift 10 pounds overhead, etc) and the accommodation requested. **This information must be provided to ACI at least two weeks in advance** for an approval process and a remedy to meet the performance exam requirements. Individuals with temporary injuries are not covered under the ADA. They should reschedule for a future exam session and are required to provide a Doctor's note clearing them for participation.

Certification Class Description

ACI Concrete Field Testing Technician, Grade 1 (MDOT Class 1)

This class covers field testing of fresh concrete. ACI Concrete Field Testing Technician, Grade 1 certification covers the following standard test methods:

- ASTM C172 Sampling
- ASTM C173 Air Content Volumetric Method
- ASTM C31 Molding Cylinders
- ASTM C143 Slump
- ASTM C231 Air Content Pressure Method
- ASTM C1064 Temperature
- ASTM C138 Unit Weight

This two-day course involves a full day of classroom instruction. The second day will start with a written test followed by the performance test. Certification is only granted to those who pass both written and performance tests.

ACI Aggregate Testing Technician - Level 1 (MDOT Class 2)

This class covers laboratory testing of aggregates for concrete. ACI Aggregate Testing Technician - Level 1 certification covers the following standard test methods:

- ASTM D 75 Sampling Aggregates
- ASTM C127 Specific Gravity & Absorption of Coarse Aggregate
- ASTM C 702 Reducing Samples of Aggregate to Testing Size
- ASTM C128 Specific Gravity & Absorption of Fine Aggregate
- ASTM C117 Materials Finer than No. 200 Sieve in Mineral Aggregates by Washing
- ASTM C566 Total Moisture Content of Aggregate by Drying
- ASTM C136 Sieve Analysis of Fine & Coarse Aggregates
- ASTM C 40 Organic Impurities in Fine Aggregate

This two-day course involves a full day of classroom instruction. The second day will start with a written test followed by the performance test. Certification is only granted to those who pass both written and performance tests.

ACI Aggregate Testing Technician - Level 2

This class covers laboratory testing of aggregates for concrete. ACI Aggregate Testing Technician - Level 2 certification covers the following standard test methods:

- ASTM C131 Resistance to Degradation of Small-Size Coarse Aggregate
- ASTM C123 Lightweight Pieces in Aggregate
- ASTM C535 Resistance to Degradation of Large-Size Coarse Aggregate
- ASTM D2419 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test
- ASTM C142 Clay Lumps and Friable Particles in Aggregate
- ASTM C1252 Uncompacted Void Content of Fine Aggregate
- ASTM D4791 Flat and/or Elongated Particles in Coarse Aggregate
- ASTM D5821 Determining the Percentage of Fractured Particles in Coarse Aggregate
- ASTM C29 Bulk Density (Unit Weight) and Voids in Aggregate
- ASTM C88 Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate

This two-day course involves a full day of classroom instruction. The second day will start with a written test followed by the performance test. Certification is only granted to those who pass both written and performance tests.

ACI Concrete Strength Testing Technician

This class covers laboratory testing of hardened concrete. ACI Concrete Strength Testing Technician certification covers the following standard test methods:

- ASTM C617 Capping Cylindrical Specimens
- ASTM C1231 Unbonded Caps for Concrete Cylinders
- ASTM C39 Compressive Strength of Cylindrical Concrete Specimens
- ASTM C78 Flexural Strength of Concrete

This two-day course involves a full day of classroom instruction. The second day will start with a written test followed by the performance test. Certification is only granted to those who pass both written and performance tests.

ACI Flatwork Technician/Flatwork Finisher

This class requires knowledge in the following areas of concrete construction:

- Planning for slab-on-ground placement
- Concrete materials, mixture proportioning, and control tests
- Preparation before placing concrete
- Floor flatness and levelness
- Placing equipment
- Finishing tools and equipment
- Procedures for finishing slabs-on-ground
- Jointing
- Curing and protection of concrete
- Finishing problems and possible solutions

ACI grants a Concrete Flatwork Finisher/Technician certification to an examinee that meets the following requirements:

One year (1,500 hours) of work experience in finishing concrete flatwork and the successful completion of a performance evaluation or three years (4500 hours) of work experience in finishing concrete flatwork and the successful completion of an alternative performance evaluation based on signed affidavits verifying abilities; and a passing grade of 70% on the written examination. Individuals without the necessary work experience may still become certified as an ACI Concrete Flatwork Technician by passing the written exam alone.

MDOT Class 3 Concrete Technician

This class requires knowledge in the following areas of concrete construction for MDOT projects:

- Standard Specification for Road and Bridge Construction
- Proportion of Portland Cement Concrete Mixtures
- Concrete Mixture Submittals, Eform, Field Verification, and Revisions
- Special Concrete Mixtures for MDOT Projects

This three-day class includes two days of classroom instruction finishing on day three with a written test. No performance test is required. This class is open to all students. However, MDOT Class 3 certification requires prior certification in MDOT Class 1, MDOT Class 2, and ACI Concrete Strength Testing.

NRMCA Pervious Concrete Contractor

The program requires knowledge in the following areas of pervious concrete construction:

- General information about applications and use of pervious concrete
- Pervious concrete construction
- Pervious concrete materials, mixture proportioning and production
- Maintenance and troubleshooting
- Proper use of tools and equipment
- Checklists for planning, design and construction
- General design principles of pervious concrete pavements

Three levels of certification are available: A Pervious Concrete Technician, Installer or Craftsman.

For more information about these certification classes visit the [ACI](#) or [NRMCA](#) website.

2018 Certification Class Registration Form

Student's Name: _____
Student's Email: _____
Student's Phone: _____
Company Name: _____
Position: _____

Study guide and class information should be sent to:
(MDOT employees will receive materials through MDOT)

Name: _____
Address: _____
(Physical mailing address ONLY, no Post Office Box)
City: _____ State: _____ Zip: _____

PAYMENT INFORMATION:

Check payment type:

- Invoice Company (MCA members only)
- Mailing Check (Payable to MCA)
- Paying by Credit Card (5% fee will be charged)

Check credit card type:

- Visa
- American Express
- MasterCard
- Discover

Card # _____

Exp. Date: _____ Sec. Code: _____

Name on Card: _____

Billing Address: _____

City: _____ State: _____ Zip: _____

Mail to: Mississippi Concrete Association
6700 Old Canton Road, Suite K
Ridgeland, MS 39157

Email to: jmilstead@mississippiconcrete.com

For more information, please call the MCA office at 601-957-5274.

CANCELLATION POLICY:

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- No-shows will not receive a refund and will not be allowed to reschedule. The student must begin the registration process over.

CLASS REGISTRATION

All Certification Classes EXCEPT MDOT Class 3

Member \$485 Non-Member \$685

MDOT Class 3 ONLY

Member \$675 Non-Member \$975

ACI Field Testing, Grade 1 (MDOT Class 1)

March 6-7, 2018 - Jackson, MS

March 21-22, 2018 - Tupelo, MS

October 9-10, 2018 - Jackson, MS

ACI Aggregate Testing - Level 1 (MDOT Class 2)

February 6-7, 2018 - Jackson, MS

November 6-7, 2018 - Jackson, MS

ACI Aggregate Testing - Level 2

July 24-25, 2018 - Jackson, MS

ACI Strength Testing Technician

June 5-6, 2018 - Jackson, MS

December 4-5, 2018 - Jackson, MS

ACI Flatwork Technician/Flatwork Finisher

February 20, 22 & March 1 - Pearl, MS

MDOT Class 3 Concrete Technician

May 1-3, 2018 - Jackson, MS

NRMCA Pervious Concrete Contractor

February 28 & March 1, 2018 - Gulfport, MS

RETEST REGISTRATION - WRITTEN ONLY

Member and Non-Member \$285

Retesting will be at 1 pm. Check date and class below:

February 7, 2018

Field Aggregate L1 Class 3 Strength

May 3, 2018

Field Aggregate L1 Class 3 Strength

June 6, 2018

Field Aggregate L1 Class 3 Strength

July 25, 2018

Field Aggregate L1 Class 3 Strength

November 7, 2018

Field Agg L1 Agg L2 Class 3 Strength

December 5, 2018

Field Agg L1 Agg L2 Class 3 Strength