



Performance Examination Application Package

Construction Materials Testing (Asphalt, Concrete, Soils, & Aggregates)

Basic Instructions

A candidate must submit the Performance Examination Application in order to select the performance examinations to be tested.

Each Performance Examination has a specialized Performance Examination Checklist, which can be found on NICET's website.

Each application for Performance Examination should contain the following parts and follow the following steps:

Requirements for Application

Performance Examination Selection

Section I: Candidate Information

Section II: Performance Examination Selection

Performance Examination

- Step I: Review the [Candidate Performance Examination Guidelines](#)
- Step II: Complete Performance Examination Application
 - a: If you have not tested with NICET, [Register a New Account](#) on the NICET website
 - b: If you would prefer to perform your examination remotely, [Complete the Remote Administration Agreement](#)
- Step III: Contact a [Recognized Performance Examination Administrator](#)
- Step IV: Submit your Performance Examination Application to the Recognized Performance Examination Administrator
- Step V: Make payment arrangements with the Recognized Performance Examination Administrator
- Step VI: Complete Performance Examinations
- Step VII: Performance Examination Results Submitted to NICET
- Step VII: Official Results Sent to Candidate from NICET

REMEMBER!

- Ensure that you are applying for the correct performance examination (ASTM and/or AASHTO).
- Make a copy of the entire application and keep it with your records.
- Expand your Construction Materials Testing portfolio and become NICET certified. Visit the [program page](#) for more information.



National Institute for Certification in Engineering Technologies®

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www.nicet.org

Construction Materials Testing Performance Examination Application Section I: Candidate Information

(Please print clearly or type)

NAME: Mr. Mrs.
 Ms. Dr.

Last Name

First Name

Middle Initial

NOTE: At the examination site, a government-issued photo ID will be required. The name on the ID must be identical to the name that provided above. This name will also appear on all issued correspondence.

Have you ever applied for testing with NICET?

Yes No

If not, [REGISTER](#) as a new user prior to submitting this application.

How would you prefer to perform your examination?

In-Person Remote

If remote, complete the [remote administration agreement](#).

Present Employer (Company Name)

Supervisor's Name

Preferred Address (Street)

City

State

Zip Code +4

Country

Business Phone

Mobile/Cell Phone

Preferred Email Address

I certify that the information given on this page is accurate and current. I have read, understood, and agree to abide by the Performance Examination Guidelines.

Signature

Date



**Construction Materials Testing Performance Examination Application
Section II: Performance Examination Selection**

Asphalt (ASTM)	Selection
ASTM D2041 / D2041M-11 Standard Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures	
ASTM D2726 / D2726M-17 Standard Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Asphalt Mixtures	
ASTM D4125 / D4125M-10 (2016) Standard Test Method for Asphalt Content of Bituminous Mixtures by the Nuclear Method	
ASTM D4867 / D4867M-09 (2014) Standard Test Method for Effect of Moisture on Asphalt Concrete Paving Mixtures	
ASTM D5444-15 Standard Test Method for Mechanical Size Analysis of Extracted Aggregate	
ASTM D6307-16 Standard Test Method for Asphalt Content of Asphalt Mixture by Ignition Method	
Asphalt (AASHTO)	Selection
AASHTO T 30-19 Standard Method of Test for Mechanical Analysis of Extracted Aggregate	
AASHTO T 166-16 Standard Method of Test for Bulk Specific Gravity (Gmb) of Compacted Hot Mix Asphalt (HMA) Using Saturated Surface-Dry Specimens	
AASHTO T 209-19 Standard Method of Test for Theoretical Maximum Specific Gravity (Gmm) and Density of Asphalt Mixtures	
AASHTO T 283-14 Standard Method of Test for Resistance of Compacted Asphalt Mixtures to Moisture-Induced Damage	
AASHTO T 287-14 Standard Method of Test for Asphalt Binder Content of Asphalt Mixtures by the Nuclear Method	
AASHTO T 308-18 Standard Method of Test for Determining the Asphalt Binder Content of Asphalt Mixtures by the Ignition Method	



**Construction Materials Testing Performance Examination Application
Section II: Performance Examination Selection**

Concrete (ASTM)	Selection
ASTM C31 / C31M-17 Standard Practice for Making and Curing Concrete Test Specimens in the Field (AASHTO T 23-18)	
ASTM C39 / C39M-18 Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens (AASHTO T 22-17)	
ASTM C78 / C78M-18 Standard Test Method for Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading) (AASHTO T 97-18)	
ASTM C138 / C138M-17a Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete	
ASTM C143 / C143M-15a Standard Test Method for Slump of Hydraulic-Cement Concrete (AASHTO T 119M / T 119-18)	
ASTM C172 / C172M-17 Standard Practice for Sampling Freshly Mixed Concrete	
ASTM C173 / C173M-16 Standard Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method (AASHTO T 196M / T 196-11)	
ASTM C231 / C231M-17a Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method (AASHTO T 152-19)	
ASTM C617 / C617M-15 Standard Practice for Capping Cylindrical Concrete Specimens (AASHTO T 231-17)	
ASTM C1064 / C1064M-17 Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete	
ASTM C1231 / C1231M-15 Standard Practice for Use of Unbonded Caps in Determination of Compressive Strength of Hardened Cylindrical Concrete Specimens	
Concrete (AASHTO)	Selection
AASHTO R 60-12 Standard Practice for Sampling Freshly Mixed Concrete	
AASHTO T 22-17 Standard Method of Test for Compressive Strength of Cylindrical Concrete Specimens (ASTM C39 / C39M-18)	
AASHTO T 23-18 Standard Method of Test for Making and Curing Concrete Test Specimens in the Field (ASTM C31 / C31M-17)	
AASHTO T 97-18 Standard Method of Test for Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading) (ASTM C78 / C78M-18)	
AASHTO T 119M / T 119-18 Standard Method of Test for Slump of Hydraulic Cement Concrete (ASTM C143 / C143M-15a)	
AASHTO T 152-19 Standard Method of Test for Air Content of Freshly Mixed Concrete by the Pressure Method (ASTM C231 / C231M-17a)	
AASHTO T 196M / T 196-11 Standard Method of Test for Air Content of Freshly Mixed Concrete by the Volumetric Method (ASTM C173 / C173M-16)	
AASHTO T 231-17 Standard Practice for Capping Cylindrical Concrete Specimens (ASTM C617 / C617M-15)	
AASHTO T 309-15 Standard Method of Test for Temperature of Freshly Mixed Portland Cement Concrete	



**Construction Materials Testing Performance Examination Application
Section II: Performance Examination Selection**

Soils (ASTM)	Selection
ASTM D698-12e2 Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12 400 ft-lbf/ft ³ (600 kN-m/m ³))	
ASTM D854-14 Standard Test Methods for Specific Gravity of Soil Solids by Water Pycnometer (AASHTO T 100-15)	
ASTM D1556 / D1556M-15e1 Standard Test Method for Density and Unit Weight of Soil in Place by Sand-Cone Method	
ASTM D1557-12e1 Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft ³ (2,700 kN-m/m ³))	
ASTM D1883-16 Standard Test Method for California Bearing Ratio (CBR) of Laboratory-Compacted Soils	
ASTM D2166 / D2166M-16 Standard Test Method for Unconfined Compressive Strength of Cohesive Soil	
ASTM D2216-19 Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass	
ASTM D2488-17e1 Standard Practice for Description and Identification of Soils (Visual-Manual Procedures)	
ASTM D4318-17e1 Standard Test Method for Liquid Limit, Plastic Limit, and Plasticity Index of Soils	
Soils (AASHTO)	Selection
AASHTO R 58-19 Standard Practice for Dry Preparation of Disturbed Soil and Soil-Aggregate Samples for Test	
AASHTO T 88-13 Standard Method of Test for Particle Size Analysis of Soils	
AASHTO T 89-13 Standard Method of Test for Determining the Liquid Limit of Soils	
AASHTO T 99-19 Standard Method of Test for Moisture-Density Relations of Soils Using a 2.5-kg (5.5-lb) Rammer and a 305-mm (12-in.) Drop	
AASHTO T 100-15 Standard Method of Test for Specific Gravity of Soils (ASTM D854-14)	
AASHTO T 180-19 Standard Method of Test for Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop	
AASHTO T 191-14 Standard Method of Test for Density of Soil In-Place by the Sand-Cone Method	
AASHTO T 193-13 Standard Method of Test for The California Bearing Ratio	
AASHTO T 208-15 Standard Method of Test for Unconfined Compressive Strength of Cohesive Soil	
AASHTO T 265-15 Standard Method of Test for Laboratory Determination of Moisture Content of Soils	



**Construction Materials Testing Performance Examination Application
Section II: Performance Examination Selection**

Aggregates (ASTM)	Selection
ASTM C29 / C29M-17a Standard Test Method for Bulk Density ("Unit Weight") and Voids in Aggregate (AASHTO T 19M / T 19-14)	
ASTM C40 / C40M-16 Standard Test Method for Organic Impurities in Fine Aggregates for Concrete (AASHTO T 21M / T 21-15)	
ASTM C70-13 Standard Test Method for Surface Moisture in Fine Aggregate	
ASTM C117-17 Standard Test Method for Materials Finer than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing (AASHTO T 11-05)	
ASTM C123 / C123M-14 Standard Test Method for Lightweight Particles in Aggregate (AASHTO T 113-18)	
ASTM C127-15 Standard Test Method for Relative Density (Specific Gravity) and Absorption Coarse Aggregate (AASHTO T 85-14)	
ASTM C128-15 Standard Test Method for Relative Density (Specific Gravity) and Absorption Fine Aggregate (AASHTO T 84-13)	
ASTM C136 / C136M-14 Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates (AASHTO T 27-14)	
ASTM C142 / C142M-17 Standard Test Method for Clay Lumps and Friable Particles in Aggregates (AASHTO T 112-00)	
ASTM C535-16 Standard Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	
ASTM C702 / C702M-18 Standard Practice for Reducing Samples of Aggregate to Testing Size (AASHTO R 76-16)	
ASTM C1252-17 Standard Test Methods for Uncompacted Void Content of Fine Aggregate (as Influenced by Particle Shape, Surface Texture, and Grading)	
ASTM D75 / D75M-14 Standard Practice for Sampling Aggregates	
ASTM D2419-14 Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate	
ASTM D5831-13 (2017) Standard Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregate	
Aggregates (AASHTO)	Selection
ASHTO R 76-16 Standard Method of Test for Reducing Samples of Aggregate to Testing Size (ASTM C702 / C702M-18)	
AASHTO R 90-18 Standard Practice for Sampling Aggregate Products	
AASHTO T 11-05 Standard Method of Test for Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing (ASTM C117-17)	
AASHTO T 19M / T 19-14 Standard Method of Test for Bulk Density ("Unit Weight") and Voids in Aggregate (ASTM C29 / C29M-17a)	
AASHTO T 21M / T 21-15 Standard Method of Test for Organic Impurities in Fine Aggregates for Concrete (ASTM C40 / C40M-16)	
AASHTO T 27-14 Standard Method of Test for Sieve Analysis of Fine and Coarse Aggregates (ASTM C136 / C136M-14)	
AASHTO T 84-13 Standard Method of Test for Specific Gravity and Absorption of Fine Aggregate (ASTM C128-15)	
AASHTO T 85-14 Standard Method of Test for Specific Gravity and Absorption of Coarse Aggregate (ASTM C127-15)	

AASHTO T 112-00 Standard Method of Test for Clay Lumps and Friable Particles in Aggregate (ASTM C142 / C142M-17)	
AASHTO T 113-18 Standard Method of Test for Lightweight Pieces in Aggregate (ASTM C123 / C123M-14)	
AASHTO T 176-17 Standard Method of Test for Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	
AASHTO T 304-17 Standard Method of Test for Uncompacted Void Content of Fine Aggregate	
AASHTO T 335-09 Standard Method of Test for Determining the Percentage of Fracture in Coarse Aggregate	