

# MATERIALS CERTIFICATION SCHOOLS



# Registration Process

## Online Registration

Enrollment and payment for all personnel in the Materials Certification Schools may be done online through the VDOT University Virtual Campus: MasterCard, Visa, Check, or Money Order only. Non-VDOT personnel may access the Virtual Campus through this link: <https://virtualcampus.vdot.virginia.gov/external>

## Traditional Registration

Enrollment may be done by calling (804) 328-3158.

The registration fee is **\$200.00** for each class. Make checks or money orders payable to: **Treasurer of Virginia.**

STUDENTS MUST GIVE 4 BUSINESS DAYS NOTICE TO BE ELIGIBLE FOR FEE REFUND.

Please call (804) 328-3158 or e-mail [MaterialsCertification@vdot.virginia.gov](mailto:MaterialsCertification@vdot.virginia.gov) with any questions.

## RECERTIFICATION

Anyone recertifying must enroll through the Virtual Campus in the recertification course and complete all modules. The online courses will be available in the Virtual Campus beginning January 1, 2012 at: <https://virtualcampus.vdot.virginia.gov/external>

All recertification courses have a proficiency test requirement except for Slurry Surfacing and Surface Treatment. Proficiency tests are scheduled through the Central Office MCS Training Section.

The 2012 recertification requirements must be completed between January 1 and Dec. 31, 2012.

## MISCELLANEOUS NOTES

A valid Photo ID must be presented to take all examinations.

Guidelines for the Materials Certification Schools Program are found in Section 115 of the Materials Division's Manual of Instructions. Current revisions to this section may be found at: [http://www.virginiadot.org/business/resources/Materials/MCS\\_Program\\_Guidelines.pdf](http://www.virginiadot.org/business/resources/Materials/MCS_Program_Guidelines.pdf)

VDOT ensures nondiscrimination and equal employment in all programs and activities in accordance with Title VI and Title VII of the Civil Rights Act of 1964. If you need more information or special assistance for persons with disabilities or limited English proficiency, contact your district Civil Rights Manager or the Title VI Specialist at Central Office (804) 786-2085 (or TTY 711). These certification courses are not introductory programs. It is advised that applicants have some knowledge of road or bridge construction practices. Applicants must have basic reading comprehension skills as well as knowledge of basic math skills including algebra, calculation of percentages and statistics.



# Certification Schools

## Aggregate Properties

Certification in this field requires attendance in the Asphalt Plant Mix Design School.

Course topics: SuperPave and Stone Matrix Asphalt mix design; materials selection, test methods, and specifications. The class is a combination of classroom and lab instruction. **Calculator and safety shoes required.** Students must pass a proficiency examination to be certified.

Prerequisite: Central Mix Aggregate Plant Certification

## Asphalt Field

Course topics: Hot Mix Asphalt placement, compaction, joints, density testing, specifications. Inspector and contractors responsibilities. **Calculator required.** Students must pass a proficiency examination to be certified. A valid Nuclear Safety Certification is required for this proficiency examination.

## Asphalt Plant

Course topics: Components of asphalt, testing, sampling, aggregate proportioning, job mix formulas, mix design, specifications, responsibilities of the VDOT representative and the producer's technician, automated data processing. The class is a combination of classroom and lab instruction. **Calculator and safety shoes required.** Students must pass a proficiency examination to be certified.

## Asphalt Plant Mix Design

Course topics: SuperPave and Stone Matrix Asphalt mix design; materials selection, test methods, and specifications. The class is a combination of classroom and lab instruction. **Calculator and safety shoes required.** Students must pass a proficiency examination to be certified.

Prerequisite: Asphalt Plant Certification

## Surface Treatment

Course topics: Materials, equipment, proper placement procedures, specifications. 1/2 day class. **Calculator required.**

## Slurry Surfacing

Course topics: Materials, equipment, proper placement procedures, specifications. 1/2 day class.

## Central Mix Aggregate Plant

Topics include: testing of aggregates, job mixes, specifications, production sampling and stockpiling, automated data processing forms, pay quantities, titration, Quality Assurance, and Modified Acceptance Programs. Class includes 1/2 day of lab. **Calculator and safety shoes required.** Students must pass a proficiency examination to be certified.

## Concrete Plant

Instruction will cover: components of concrete, ACI Concrete Mix Design, moisture content and batch weight calculations, requirements for inspection of plant and equipment, responsibilities of producer's Quality Control Technician and VDOT Monitor, automated data processing. **Calculator Required.**

## Concrete Field

Subject matter includes components of concrete, field inspection and repair of hydraulic cement concrete structures, responsibilities of contractor's technician and VDOT inspector, automated data processing and specifications. Students must obtain an ACI Field Level I Certification to be certified. For more information on ACI, go to the VRMCA web site at <http://www.vrmca.com/aci/>

## Pavement Marking

This course involves classroom instruction regarding layout and pre-marking, materials, application, quality control testing, visual inspection and troubleshooting of pavement markings and markers. Students must pass a proficiency examination to be certified.

## Soils & Aggregate Compaction

Course instruction covers nuclear density testing, sand cone testing, one-point proctor and "Speedy" moisture. Also covered are construction and testing of embankments and subgrade, pipe installation, roller patterns and reports. **Calculator required.** Students must pass a proficiency examination to be certified. A valid Nuclear Safety Certification is required for this proficiency examination.

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CERTIFICATIONS ARE INTENDED FOR PERSONNEL PERFORMING MATERIALS ACCEPTANCE SAMPLING/TESTING OR THOSE REQUIRED BY VDOT SPECIFICATION TO BE CERTIFIED. CLASS ATTENDANCE FOR GENERAL KNOWLEDGE IS ALLOWED.



# 2012 Schedule

## Asphalt Plant School

CO Materials 3/6 - 3/8/2012  
*Exam last day*

## Asphalt Mix Design School

CO Materials 2/7 - 2/10/2012  
*Exam last day*

## Aggregate Properties School

CO Materials 2/7 - 2/10/2012  
*Exam last day*

## Asphalt Field School

Richmond 1/17 - 1/19/2012  
NOVA 1/31 - 2/2/2012  
Staunton 2/14 - 2/16/2012  
Hampton Roads 2/28 - 3/1/2012  
Salem 3/27 - 3/29/2012  
Fredericksburg 4/3 - 4/5/2012  
*Exam last day*

## Central Mix Aggregate Plant School

Luck Stone - Boscobel Plant 1/17 - 1/19/2012  
*Exam last day*

## Concrete Field School

NOVA 1/18 - 1/19/2012  
Fredericksburg 2/1 - 2/2/2012  
Richmond 2/22 - 2/23/2012  
Staunton 3/13 - 3/14/2012  
Hampton Roads 3/27 - 3/28/2012  
Salem 4/11 - 4/12/2012  
*Exam last day*

## Concrete Plant School

Salem 1/10 - 1/11/2012  
Richmond 3/13 - 3/14/2012  
*Exam last day*

## Pavement Marking School

NOVA 1/10 - 1/11/2012  
Richmond 1/24 - 1/25/2012  
Fredericksburg 2/7 - 2/8/2012  
Salem 2/28 - 2/29/2012  
Hampton Roads 3/20 - 3/21/2012  
*Exam last day*

## Slurry Surfacing School

Richmond 1/26/2012  
Salem 3/1/2012  
*Exam same day*

## Soils & Aggregate Compaction School

Richmond 1/9 - 1/12/2012  
Hampton Roads 1/31 - 2/3/2012  
NOVA 2/14 - 2/17/2012  
Fredericksburg 3/6 - 3/9/2012  
Salem 4/17 - 4/20/2012  
*Exam last day*

## Surface Treatment School

Richmond 1/26/2012  
Salem 3/1/2012  
*Exam same day*

**ALL CLASSES START AT 8:00 AM.  
EXCEPT SLURRY SURFACING WHICH STARTS  
AT 1:00 PM.**

WEATHER CANCELLATION AND SCHEDULE  
UPDATES AVAILABLE AT:  
**1-866-527-8656**



# School Locations

## **Salem:**

Salem Civic Center  
1001 Boulevard  
Salem, VA 24153  
(540) 375-3004

## **Richmond:**

The Homewood Suites  
5996 Audubon Drive  
Sandston, VA 23150  
(804) 737-1600

*From I-64 take Airport exit to first light, turn left, hotel is on left.*

## **Hampton Roads:**

Hilton Garden Inn  
100 East Constance Road  
Suffolk, Virginia 23434  
757-925-1300

*Take Rte 58/460 to Downtown Suffolk @  
Constance Road/North Main Street Intersection  
[www.suffolk.gardeninn.com](http://www.suffolk.gardeninn.com)*

## **Fredericksburg:**

Fredericksburg Expo & Conference Center  
2371 Carl D. Silver Parkway  
Fredericksburg, VA 22401  
I-95, Rte 3 W, Exit 130B  
(540) 548-5555

## **Staunton:**

Holiday Inn Golf and Conference Center  
152 Fairway Lane  
Staunton, VA 24401  
I-81, Exit 225  
(540) 248-6020

## **NOVA:**

Virginia Center for Innovative Tech. Complex  
2214 Rock Hill Road  
Herndon, VA 20170-4228  
(703) 742-6971

## **Central Office:**

Materials Division (Elko)  
6200 Elko Tract Road  
Sandston, VA 23150  
(804) 328-3151

## **Luck Stone- Boscobel Plant:**

485 Boscobel Road  
Manakin, Virginia 23103  
(804) 328-3151

