

# ASPHALT INDUSTRY TRAINING



## NCAT TECHNOLOGY COURSE IN COLORADO NOVEMBER 10-13, 2025

**ENROLL NOW**

<http://bit.ly/43Z0JZA>



**Goals and Objectives:** The purpose of this intensive course is to provide a basic understanding of all phases of asphalt technology. Upon completion, the participant will be able to make knowledgeable decisions related to asphalt pavements and communicate effectively with asphalt specialists when the need arises.

### WHERE:

Baldoria Event Center  
146 Van Gordon Street,  
Lakewood, CO 80228

**Overview:** This 3.5 day training program is led by NCAT Instructors and is geared for those who are involved with asphalt materials and construction, Engineers, Technicians both Lab and Field, Inspectors and construction personnel in order to build, preserve, and maintain a sustainable highway system.

This training will be a mirror of the week long training provided at the NCAT facilities with the exception of a visit to the test track and Lee Road.

**Register early, space is limited.**

**Registration fee: \$850.00 (CAPA Member – APWA– CARSE—CDOT)**

**NON – Members \$1200.00 - Register before August 29, 2025 to receive a \$150 discount.**



# COURSE CONTENT

## Program Content

This course consists of 3.5 days of intensive lectures. It may include some actual or video demonstration of laboratory tests (no hands-on), and discussions concerning all phases of asphalt technology such as:

1. Structural Design of Asphalt Pavements
2. Asphalt Binders: Superpave and Modified Binders
3. Physical Properties of Aggregates
4. Volumetric Analysis of Asphalt Mixtures
5. Asphalt Mix Design (Superpave, Marshall)
6. High Mod Asphalt Mixes
7. Use of RAP, Waste Products (Plastics, Rubber, RAS) in HMA
8. Design and Construction of SMA Mixtures
9. Stripping
10. Laboratory Performance Testing of HMA
11. Balanced Mix Design—Update and Specifications
12. Quality Control of HMA
13. Nuclear Gauge Acceptance Testing - Pavement Scanners
14. Performance Testing (Crack Testing– Rut Testing)
15. Mixing, Compacting and Specific Gravities Lab Demo
16. Asphalt Plant Operations
17. Surface Preparation and Cold Weather paving
18. Delivery & Placement of HMA Mixes
19. Compaction of HMA
20. Segregation of Asphalt Mixes
21. Pavement Maintenance & Rehabilitation & Thin Lift Overlays
22. Pavement Preservation – Lee Road 159 & US 280/MNROAD
23. CAPA Update for Asset Management
24. Pavement Forensics
25. NCAT Test Track Research
26. Research Findings and Updates (topics: ignition oven, field density, friction, others...)



303-741-6150 x 151



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