



at AUBURN UNIVERSITY

Overview

This one-week training program is taught by NCAT for those who are involved with asphalt construction. Many engineers from all sectors of the asphalt industry need to become more knowledgeable of asphalt materials and construction practices in order to successfully build, preserve, and maintain a sustainable highway system.

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.

Program Content

This course consists of 4.5 days of intensive lectures, demonstration of laboratory tests (no hands-on), and discussions concerning all phases of asphalt technology such as:

- - *Asphalt Binders*: refining, physical properties, binder testing, and modified asphalt binders.
- - *Aggregate*: aggregate testing and required aggregate properties for high performance.
- - *Asphalt Mixtures*: desirable mix properties, types of mixes, volumetric mix design, and laboratory performance testing.
- - *Construction*: asphalt plant operations, laydown and compaction methods, and quality control/quality assurance of asphalt mixes; and
- - *Asphalt Pavement Design/Rehabilitation*: design, maintenance, rehabilitation, and recycling.

Laboratory demonstrations include asphalt binder characterization tests, aggregate characterization tests, asphalt mix design and analysis (including Superpave), and other miscellaneous performance tests.

Location

This course will be conducted at NCAT's main research facility at 227 Technology Parkway in Auburn, Alabama. Hotel accommodations are close by.

DATES: February 22-26, 2021