

Bituminous Mix Designer Certification Class Agenda 2024

Instructors

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Timing, attendance, and breaks

The in-person class day is from 8:00 a.m. to 4:30 p.m. Attendance will be taken throughout each day. You must be present to receive credit for attendance. There will be short breaks throughout the day and a 1 hour lunch break around 12:00 noon.

Topics

- Introductions
 - Instructors
 - Housekeeping Issues
 - Bituminous Mix Designer Certification Requirements
 - Basic Focus of Bituminous Mix Designer course
 - Purpose of Bituminous Mix Designer Training Manual

- Asphalt mix design basics
- Asphalt cement properties
- Aggregate properties
- Blending of aggregates and asphalt
- Testing asphalt mixtures
- Analysis of asphalt mixture properties
- Specification review
- Submittal of mix design for agency verification
- Discussion and review of non-standard mixes
- Production considerations

- Bituminous Engineering website review
- Discussion of issues from bituminous design and testing and questions from the class
- Wrap up: course evaluation and Information about the written exam

Deadline (see the course webpage for more information):

The **written exam** will open for you at the end of the last day of class. You must complete the exam within one week after it is open for you, meaning the same day the following week. You may take the on-line exam in the classroom the last day in case you need clarification on questions from the instructor.

A **completed mix design** must also be submitted to the Maplewood office and approved within 1 year of the course completion. The BMD certification is not granted until this is completed.

View the Technical Certification Program website at mndot.gov/technical-certification for information about: our program and certification process, class registration, course materials and program documents, construction resources, exams, Technical Certification Card, and help and contacts.
