

Aggregate Production Tester Certification (APTC) Class Agenda 2023-2024

Instructors

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Timing, attendance, and breaks

Class days are from 8:00 a.m. to 4:30 p.m. Attendance will be taken in the morning and afternoon. There will be short breaks throughout the day and a 1 hour lunch break around 12:00 noon.

Day 1: Classroom

- Introductions
 - Instructors
 - Housekeeping issues
 - Aggregate production tester certification requirements
 - Course objective
- Chapter 2: Aggregate and rock characteristics
- Chapter 3: Aggregate production
- Chapter 4: Aggregate sampling & splitting procedures
- Chapter 5: Aggregate testing procedures
 - Coarse & fine aggregate gradations
 - Coarse aggregate -#200 washing
 - Fine aggregate angularity
 - Coarse aggregate percent crushing
 - Flat & elongated aggregate
 - Lightweight particles
 - Lithological count-spall & unsound materials

Day 2: Laboratory

- Demonstrations
 - Lightweight (-4 shale) particle test
- Hands-on stations
 - Aggregate sampling, sample reduction and coarse gradation
 - Fine gradation and coarse aggregate wash
 - Quality tests
 - TTS Materials Testing Introduction (online modules)

Day 3: Classroom

- Chapter 5: Aggregate testing procedures
 - Fine aggregate specific gravity
 - Coarse aggregate specific gravity
 - Aggregate absorption
- Application and interpretation of tests
 - Review lab procedures and calculations
 - Sample problems
 - Specification requirements
 - Documentation
- Wrap Up
 - Course evaluation
 - Information about the written exam

Deadlines (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.

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.
