

# ***TRAINING and CERTIFICATION SEMINAR for CONCRETE***



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# Section 1

## Introduction



## WMTG Concrete Training & Certification Seminar

# Why WMTC Concrete Certification?

- Fulfills testing technician requirements for WYDOT QC/QA concrete projects
- Provides recognition for concrete technicians who have demonstrated ...
  - knowledge & ability to properly perform field tests on fresh concrete
  - a basic knowledge about concrete fundamentals and WYDOT specifications
- Increases the reliability & confidence level of test results
- Improves quality control
- Assures accuracy in identifying good quality & substandard concrete

# WMTC Certification

- Administered by the University of Wyoming & WYDOT
- Recognized by State of Wyoming
- Valid for 5 years (*must pass all three exams*)
- **WYDOT Written Exam (take online)**
  - 45 multiple choice/True-False Questions (open book & notes)
  - Covers concrete fundamentals & WYDOT Specifications
  - To Pass: 70% overall score or higher (32 correct answers)
- **Concrete Testing Written Exam (take online)**
  - 50 multiple choice/True-False Questions (open book & notes)
  - Covers WYDOT (ASTM) testing equipment and procedures
  - To Pass: 70% overall score or higher (35 correct answers)
- **Concrete Testing Performance Exam covering (take at Cheyenne Lab)**
  - Six ASTM Standards – Pass/Fail Exam: 2 tries per test (closed book & notes)

# **Education Materials**

***For this seminar, you need the following ...***

- 1. WMTC Training and Certification Seminar For Concrete (print out materials)**
- 2. ASTM Standards (Six Standards on Loan from WTMC)**

***You will also need a Calculator***

# Definitions

**ACI International** -American Concrete Institute, Farmington Hills, MI

**ASTM** - American Society for Testing and Materials, West  
Conshohoken, PA

**MTM** - *WYDOT Materials Testing Manual*

**PCA** - Portland Cement Association, Skokie, IL

**SSRBC** - *WYDOT's Standard Specifications for Road & Bridge  
Construction*