

# NDDOT TECHNICAL CERTIFICATION PROGRAM (TCP)

## INTRODUCTION TO ASPHALT

### SCHEDULE

This is a course offered through North Dakota and South Dakota DOT

Starting in December 2021 the course format will consist of pre-recorded sessions available on-demand (video), a live virtual session, and an online exam.

**Links to the videos will be provided after registration is processed.**

### OVERVIEW

This course provides an overview of liquid asphalt, aggregates, asphalt mix, asphalt plants and asphalt pavement construction. It is primarily intended for the individual with little to no asphalt pavement construction experience. Course is self-paced. The virtual live and online exam time will be approximately 1-1/2 hours.

Though it is not a pre-requisite for any class or certification, this course is recommended for anyone pursuing QC/QA certification through the North Dakota Department of Transportation Technical Certification Program.

---

### COURSE SYLLABUS:

- Defining the Need for QC/QA
- Overview of Asphalt Materials
- Introduction to Performance Graded (PG) Binders
- Introduction to Aggregates and Asphalt Mixture Types
- Plants, Placement and Pavers an Overview
- Compaction and Pavement Acceptance
- Introduction to state specifications

---

### REFERENCE DOCUMENTS FOR ALL CLASSES

- [Standard Specification for Roads and Bridges](#)
- [ND Field Sampling and Testing Manual](#)

### RECOMMENDED LEARNING RESOURCES

For individuals with little construction experience or who just want to learn more. There are several free online courses available that may supplement the content in this course.

The following modules are available through the [UGPTI Learning Management System](#). An account is required but is available by request for no charge.

- HMA Paving Field Inspection
- Improving the Daily Diary
- Ethics Awareness for the Transportation Industry

# NDDOT TECHNICAL CERTIFICATION PROGRAM (TCP)

## INTRODUCTION TO ASPHALT

[Full LMS Course List](#)

FHWA Video: [Preventing Stockpile Segregation](#)

This course provides an overview of liquid asphalt, aggregates, asphalt mix, asphalt plants and asphalt pavement construction. It is primarily intended for the individual new to asphalt pavement construction.

### REGISTRATION FEE

*For 2022 there will be no registration cost.*

---

### REGISTER ONLINE

To register for this course [click this link](#) or go to the TCP Registration link found on the NDDOT TCP web page under the tab labeled ***Certification Classes***.

---

### INSTRUCTOR

Ken Swedeen, Dakota Asphalt Pavement Association (DAPA), Pierre, SD

### CONTACT

Questions: [dotmaterials@nd.gov](mailto:dotmaterials@nd.gov)  
701-328-6937

NDDOT TCP Web Link  
<http://www.dot.nd.gov/divisions/materials/techniciancertification.htm>