

NDDOT TECHNICAL CERTIFICATION PROGRAM (TCP)

INTRODUCTION TO ASPHALT

SCHEDULE

A 4-hour course is offered for 2019-2020. A similar 1-day session is offered in South Dakota in December each year. See the [DAPA website](#) for dates and registration.

February 3, 2020, Ramada Bismarck Hotel, 1400 Interchange Ave, Bismarck, ND

8 am to Noon

An example of the course manual used in 2018 is available from the TCP web page at [this link](#):

LODGING

A block of rooms is available under NDDOT/DAPA and will be available until the block is filled or one month prior to the course start. Rooms may be available after that time but are not guaranteed.

[Hotel Website Link](#)

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 length is approximately 4 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
- ND QC/QA Specifications

REFERENCE DOCUMENTS FOR ALL CLASSES

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

REFERENCE MATERIAL

- Handouts

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MINIMUM REQUIREMENTS

Basic Math Skills

RECOMMENDED ONLINE LEARNING

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
[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

\$75

Includes class handouts

Break refreshments. Lunch is on your own.

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

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