

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Materials & Tests Unit, Manufactured Products Group, Steel Section

Field Welding Inspection Training Class Description

The purpose of this class is to provide instruction to NCDOT Project Engineers, field personnel, and CEI inspectors in basic field welding inspection practices.

The following modules will be covered during class:

Module 1	Safety	Module 6	Field Welder Inspection Procedure
Module 2	Sample Welded Products	Module 7	Equipment Requirements
Module 3	Field Welding	Module 8	Weld Discontinuities and Weld Defects
Module 4	Qualification of Field Welding Personnel	Module 9	Certified Welding Inspector Information
Module 5	Field Welding Personnel		

Each student will receive a reference manual and various supplemental documents. Completion of the 1-day class and a minimum passing score of 70% on the closed book test will receive a limited certification for “Field Welding Inspection” and will be effective for 5 years. Professional Engineers will receive professional development hours (pdh) pending successful completion of course.

Class Outline

Time	Class Schedule
8:00 to 8:30	Module 1: Safety
8:30 to 8:50	Module 2: Sample Welded Products
8:50 to 9:00	Break
9:00 to 9:50	Module 3: Field Welding
9:50 to 10:00	Break
10:00 to 10:30	Module 4: Qualification of Field Welding Personnel
10:30 to 10:50	Module 5: Field Welding Personnel
10:50 to 11:00	Break
11:00 to 11:30	Module 6: Field Welder Inspection Procedure
11:30 to 12:00	Module 7: Equipment Requirements
12:00 to 1:00	Lunch
1:00 to 1:50	Module 8: Weld Discontinuities and Weld Defects
1:50 to 2:00	Break
2:00 to 2:30	Module 9: Certified Welding Inspector Information
2:30 to 3:00	Class Summary, Review, Class Evaluation Survey
3:00 to 4:00	Test

Class Registration

Class registration and payment for all Materials and Tests classes are completed through Cvent. [Summary - Materials and Tests Field and Lab Schools 2024 \(cvent.com\)](#) Seat priorities will be given to Division that scheduled the class. Any remaining open seats will be prioritized for NCDOT personnel.

Class Fee

The cost of the class is \$250 per student.

Students employed with NCDOT will be billed via your Division/Unit cost center. Payments are processed through CVENT. The Department no longer accepts checks and/or money orders for payment.

To schedule a class for your Division office and/or CEI Firm: Please contact Aaron Dacey at ahdacey@ncdot.gov, 919-902-8187.