

STRUCTURAL TECHNOLOGIES' recognized subject matter experts (SMEs) deliver educational training courses to our engineering partners that specifically address solutions that repair, protect, and enhance civil and structural infrastructure. Our SMEs and market specialists will work with you to ensure each session is tailored to meet your needs.

Contact us to schedule your training course, or visit our online solution builders resource center to discuss and interact with our infrastructure experts:

structuraltechnologies.com/experts
+1-410-859-6539

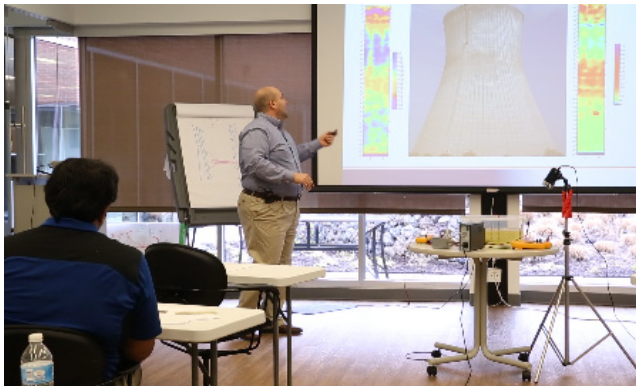
OUR 3-DAY CORROSION TRAINING COURSE INCLUDES:

Corrosion of concrete is a significant contributor to the decay and damage of infrastructure in the United States. Understanding the causes that lead to this problem is important to best implement optimal solutions. This training course provides information about corrosion in concrete, including how it develops, systems applied for protection from it, and techniques used to assess the condition of a corroding concrete structure. This course also engages participants in a series of practical lab exercises to reinforce course topics and introduced concepts.

This is a 3-day, 30-hour course approved for 30 CEUs.

LEARNING OBJECTIVES

- Develop a basic understanding of electricity and chemistry as it relates to corrosion theory and corrosion in concrete.
- Understand cathodic protection principles, review galvanic cathodic protection systems and impressed current cathodic protection systems, and determine when and why to use each system.
- Complete hands-on training that includes operating and testing various galvanic and impressed current cathodic protection systems.
- Discuss corrosion condition assessment investigations and address various testing techniques used for this purpose.
- Demonstrate understanding of topics/concepts discussed each day by successfully participating in a series of practical lab exercises.



AGENDA

DAY 1

- Introduction, Welcome, Overview
- Chapter 1 – Basic Electricity
- Chapter 2 – Basic Chemistry & Basic Corrosion Theory
- Chapter 3 – Corrosion in Concrete
- Lab Exercises

DAY 2

- Lab Exercises Day 1 Discussion
- Chapter 4 – Cathodic Protection Principles
- Chapter 5 – Galvanic Cathodic Protection
- Chapter 6 – Galvanic CP Systems for Concrete
- Lab Exercises

DAY 3

- Lab Exercises Day 2 Review
- Chapter 7 – Impressed Current Cathodic Protection
- Chapter 8 – ICCP CP Systems for Concrete
- Chapter 9 – Condition assessment and Design
- Lab Exercises
- Lab Exercises Review
- Wrap Up

IMPORTANT INFORMATION

The training will be three full days, January 14-16. Attendees should plan to arrive the night before training begins on January 13th and book a return flight no earlier than the evening of January 16th. We will wrap up training on Day 3 around 4:30-5:00 PM. Please consider the drive and traffic when booking return flights. We recommend booking your return flight to be the day after training ends. Training will take place at Structural Technologies' headquarters.

- 10150 Old Columbia Road, Columbia, MD 21046

Recommended Airports

- Baltimore Washington International (BWI)
- Ronald Reagan International
- Dulles International (Washington D.C.)

Recommended Hotels – These hotels are about a 6-minute drive from our office.

- Hampton Inn & Suites Columbia/South: 7045 Minstrel Way, Columbia, MD 21046
- Spring Hill Suites by Marriott Columbia: 7055 Minstrel Way, Columbia, MD 21046

REGISTER TODAY!