

Cement School for Operators

Failure avoidance: a new approach to the cement course



Course Level

Basic to Intermediate

Location

CSI Technologies
1930 W.W. Thorne
Houston, TX 77073

Training Fee

\$2000 per student
(lunch included)

Schedule

Call 281.784.7990

This course is designed for anyone who engages the cementing service provider during the planning and execution phases of cement operations

Experience

More than 15 years of comprehensive cement failure analysis across all US markets and major cementing service providers

Knowledge

Access to a larger database of cement failure jobs than any operator

Competency

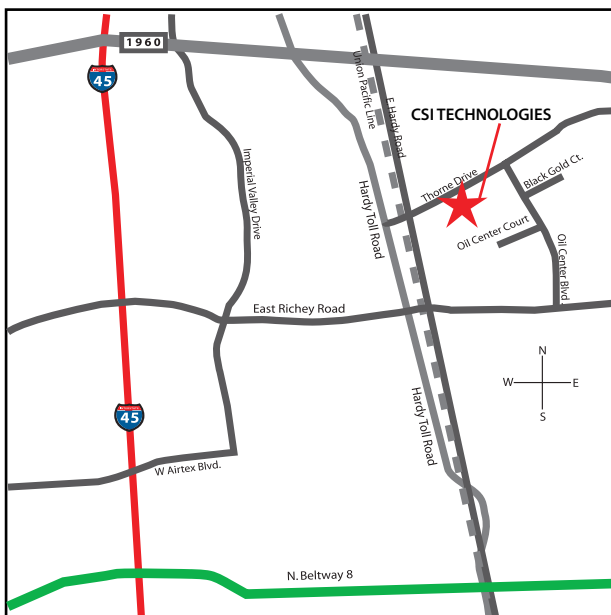
Improved job-focused efforts come from an enhanced understanding of the service management of a cementing operation

Perspective

An unbiased view of the industry – the good, the bad, and the ugly – from the cementing technology and consulting firm that offers clarity and education based on its specialization.

Note: If enough students from a specific client are confirmed, classes can be modified accordingly to focus on specific business units or to incorporate specific company practices.

COURSE AGENDA	
MODULE	DESCRIPTION
Course Theory & Structure: Cementing Failures and Quality Oversight	Understand service/operator-based expectations and properly define them by asking the right question at the right time
Operator Responsibilities (Cementing Inputs): What You Need and Why	Learn the various pieces of information required to properly build an adequate simulated placement program with corresponding slurry designs; understand the risks associated with frequently incorrect and omitted critical information
The Cement Lab Report: How to Read It and What to Look for	Learn how to interpret common results and understand which additives affect different results; learn to differentiate acceptable from poor lab results and identify results that could lead to job failure
Cement Testing: How Tests are Performed and What Results to Expect	Through hands-on laboratory demonstration, see how common cement tests are performed and learn how variations in testing can lead to inaccurate results; learn CSI's recommended ranges for different tests
Cementing Operations: How Rigsite Activity Affects the Quality of a Cement Job	Explore the life of a cement blend – from initial design in the lab, through blending, delivery to the rig, and the onsite pumping operations – to discover the most common operations failures associated with cement jobs
Introduction to Cement Failure Analysis	Interact as a class to discuss and review several examples of real-world cement job failures; identify information and areas of focus highlighted in early sections of course and apply that knowledge to actual cementing case histories with a focus on preventative identification
Team-Based Cement Failure Analysis	Teams provided with all relevant supporting documentation in accordance with a fictional cementing failure; teams required to request specific post-job slurry laboratory testing to confirm a root cause of failure; using skills taught throughout this course, teams will be graded upon their ability to decipher events, information, mistakes, and oversights in the planning and execution of this event



If you cancel your registration at least five (5) business days before the first date of the session selected, you will be refunded the full amount minus a \$100 cancellation fee.

Cancellations made fewer than (5) business days before the first date of the session are not eligible for a refund.

Cancellations must be emailed to csi_accounting@csi-tech.net.

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