



**FASTENER
TRAINING
INSTITUTE**

CERTIFIED FASTENER SPECIALIST COURSES

CHICAGO | ONE-DAY CLASSES FOR THE FTI CERTIFIED FASTENER SPECIALIST™ (CFS) DESIGNATION



GET YOUR CFS WITHOUT MISSING A WEEK OF WORK

Can't take a week off work? If you are interested in becoming a Certified Fastener Specialist but can't take off a week, this is the perfect solution. This series of one-day classes spreads the training out, and enables you to accomplish your goal. The classes can also be taken as stand-alone classes.

MARCH 23: Fastener Specifications and Terminology

In this course, attendees learn about the consensus standards of organizations that govern the fastener industry and receive a thorough grounding in the terms and definitions used in fastener specifications. Participants study specifications and learn how to identify and meet customer and industry requirements.

APRIL 7: Understanding the Bolted Joint

This class provides a critical foundation to learning how bolts work and understanding bolting considerations, such as torque recommendations, technical information and optimum tightening torque values for specific applications.

MAY 4: Dimensional and Material Specifications

This is an in-depth study of the most common inch and metric dimensional and material specifications for nuts, bolts and screws. It includes purchasing and sales criteria as well as thread specifications and gaging requirements, material specifications for steel products, thread call-outs and more.

JUNE 8: Fastener Quality Assurance and Print Reading & Inspection

This hands-on training teaches about sampling plans and instrument calibration, including how to use prints and specifications for inspection and a review of test reports. The course covers quality programs and system requirements, thread inspection, dimensional inspection and inspection of recesses and drives.

Plant Tours during Fastener Training Weeks

Attendees can attend tours during any of the Fastener Training Weeks (Cleveland on Mar. 18, Chicago on Aug. 19 or Houston on Dec. 9) Register to attend by emailing Jo Morris at jom@fastenertraining.com.

INAUGURAL YEAR PRICING!

Early Bird: **\$549** per person per class
Association Rate: **\$449*** per person per class.

Rates increase 3 weeks before class date.

* Must be a member of Pac-West, NFDA, IFI, MWFA, NCFCA or SFA

Register for all four classes and receive a \$100 discount.

Semblex Corporation

900 Church Rd.
Elmhurst, IL 60126

8:30 a.m.-4:00 p.m. daily

“The CFS program drastically shortened my learning curve regarding fastener specifications. The program materials were well organized and professional. Each instructor was very knowledgeable and infused the lesson topics with real world examples. CFS is a great program taught by excellent instructors.”

LEARN MORE AND REGISTER at www.fastenertraining.org

Hosted by:



**2020 FTI
SUSTAINING SPONSOR**



Fastener Training Week offers five intensive days of education and plant tours as part of the acclaimed FTI Certified Fastener Specialist™ (CFS) advanced technical training program.

After completing this invaluable industry training in a small group environment and passing a final exam, attendees are eligible for the Certified Fastener Specialist™ (CFS) designation.

COURSE CONTENT

Monday

- Introduction and course overview
- Consensus standards organizations
- IFI resources
- Torque tension
- Torque tension demonstration

Tuesday

- Acquiring specifications
- Quality assurance systems and sampling plans
- Basic fastener math
- Thread technology and gage issues
- Testing standards, fastener finishes and inspecting fastener dimensional features
- Hands-on equipment experience
- Certifications, test reports and lot traceability

Wednesday

- Off-site plant tours featuring manufacturing, secondary processes and/or testing facilities.

Thursday

- Print reading and tolerances
- Material specifications for steel fasteners
- Dimensional specifications
- Structural bolts, nuts, washers and machine screws – stainless steel
- Understanding how fasteners fail
- Specification exercises
- IFI technology connection demonstration

Friday

- Metric fastener specifications
- Metric fastener dimensional specifications, thread specifications and tolerances
- Wrap up and review

