



**FASTENER  
TRAINING  
INSTITUTE**

# FASTENER TRAINING WEEK

DECEMBER 7-11, 2020 | HOUSTON, TX



## ACCELERATED TRAINING FOR THE FTI CERTIFIED FASTENER SPECIALIST™ (CFS) DESIGNATION

Fastener Training Week features learning labs, interactive exercises and quizzes to reinforce learning taught by leading industry experts. The content includes manufacturing processes, consensus standards, quality control and includes a day of plant tours of manufacturing, secondary processes and testing facilities.

Instead of seven separate one-day classes, 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.

### WHO ATTENDS?

- Fastener distributors
- End users
- Fastener manufacturers
- OEMs

### TOPICS:

- Thread and material specifications
- Process and dimensional specifications
- Quality assurance systems and specifications
- Lot traceability and test reports
- Print reading and tolerances
- Thread gaging and dimensional inspection
- Torque tension

**Includes a full day of off-site plant tours. Skidmore-Wilhelm will provide torque tension test equipment.**

**LEARN MORE AND REGISTER at [www.fastenertraining.org](http://www.fastenertraining.org)**

**Early Bird pricing through Nov. 16**  
**\$3,300** first person per company, **\$2,800** each additional

**After Nov. 16:**  
**\$3,800** first person per company, **\$3,300** each additional

Additional **\$500** discount for Pac-West, NFDA, IFI, MWFA, NCFSA SFA, AIM Prime members

“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.

This course helped me gain a solid understanding of mechanical engineering and develop the technical knowledge important to this field. It also makes me realize the complexities and challenges we face, and that makes the work even more interesting.”

Hosted by:



2020 FTI SUSTAINING SPONSOR



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## 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

