



WÜRTH | INDUSTRY



FASTENER ACADEMY

STRENGTHEN YOUR FASTENER KNOWLEDGE. EMPOWER YOUR TEAM.

As impressive and fast-moving as our technology is, it's still people who drive innovation forward. That's why we invest in people—ours and yours. The Würth Fastener Academy was created to share the decades of real-world experience from our national network of engineers to help you make smarter, faster, and more cost-effective decisions.

Whether your role is in engineering, purchasing, quality, or production, this customizable training program is designed to meet your specific needs and goals. Our engineers will tailor modules to your team and industry, delivering practical solutions and technical knowledge that make a measurable impact.

HOW IT WORKS

Fastener Academy can be delivered in-person or virtually, making it flexible and accessible no matter your location or schedule.

You'll walk away with actionable knowledge your team can apply immediately to current and future projects — backed by the expertise of a global leader in industrial fastening solutions.

www.wurthindustry.com





AVAILABLE TOPICS

TAILORED TO YOUR NEEDS



BASICS OF FASTENERS 1 HR

Introduces fundamental fastener terminology and drawing practices to reduce errors in design and supply. Emphasizes thread types for effective application.

CORROSION & FASTENER FINISHES 1 HR

Covers types of corrosion and various protective coatings like phosphate, electroplating, dip-spin (zinc-flake) and galvanizing. Highlights the benefits and limitations of each finish in different environments and applications.

HYDROGEN EMBRITTELEMENT 1 HR

Explains internal hydrogen embrittlement in simple terms, detailing its causes and how to prevent this potentially catastrophic failure in fastener assemblies.

INDUSTRY STANDARDS & MATERIALS 1 HR

Reviews key fastener standards organizations and material specifications, helping engineers avoid unnecessary custom parts and ensure compliance with industry norms.

FASTENER MANUFACTURER PROCESSES 1 HR

Details the cost drivers, capabilities, and limitations of fastener production methods, laying the groundwork for understanding how manufacturing affects mechanical performance.

SCREWS FOR PLASTIC ASSEMBLIES 1.5 HR

Focuses on selecting and designing screws specifically for plastic components, addressing thread geometry, material compatibility, and assembly techniques.

TORQUE TENSION 1.5 HR

Explores the relationship between torque and tension in bolted joints, guiding engineers on achieving proper clamp load for reliable assembly performance.

PREVAILING TORQUE FASTENERS 1 HR

Discusses fasteners designed to resist loosening under vibration or dynamic loads, including design principles and application considerations.