nc3 train the trainer

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COURSE DESCRIPTIONS

All classes include teaching strategies for effective delivery and integration ideas on how to seamlessly weave these certifications into your program's already existing curriculum. Share your ideas and learn new ones as you build a professional network of instructors from across the country.

Structural Sheet Metal and Assembly Certification:
In this course, participants will successfully demonstrate a solid understanding of the tools and equipment used in sheet metal assembly and repair. The ability to properly layout, prepare and fasten sheet metal assemblies are a fundamental part of the aviation industry. This certification allows students to be exposed to a variety of drilling, fastening and verification methods that are needed by employers in industry today.

Precision Electrical Termination Certification:
Crimping is the cornerstone of electrical termination in high-reliability applications in aerospace, land-based and maritime transportation, space exploration, and military defense systems. In this course, participants will demonstrate and will be proficient in the methodology of crimping; identification of essential component parts such as mil-spec connectors and contacts; and the proper use of a variety of electrical wiring tools.

Mechanical & Electronic Torque Instruments Certification:
This course has two key objectives. First, students will develop a new appreciation for the complexities behind the proper tightening of fasteners. Second, students will be trained, tested, and certified on various torque instruments ensuring proper tool set-up and physical technique. This course begins on the relationship between tightening torque versus clamping pressure and how various external factors can greatly affect this relationship, and thus cause a fastened joint to fail prematurely. This concept is discovered by the students through a number of lab

activities and demonstrations illustrating how external factors affect torque and clamping pressure. Students then demonstrate proficiency on a number of mechanical and electrical torque tools developed by Snap-on. Students will get instant "actual torque applied" feedback while using each tool on a calibration machine, so they can hone their technique and become both accurate and precise in the use of each tool.

Dremel 3D Idea Builder Printer Certification:
The DREMEL Certification has been designed to expertly train instructors and students on the functionality, operations, troubleshooting and post-printing processes of the DREMEL Idea Building 3D Printer. NC3's DREMEL Certification was also created to jumpstart students' imaginations on future career choices and develop interest in manufacturing, engineering and other programs.

Please see the separate FESTO Course Description link for more information on NC3's newest certifications.