



SWAGELOK[®] ESSENTIALS TRAINING

FROM SWAGELOK NORTH CAROLINA | EAST TENNESSEE

Hands-on Skills Training to Build Expertise Fast

Well-trained associates are valuable assets that can save your company money and increase the productivity and safety of your workplace. Our trainers can provide a wide range of training to minimize installation and maintenance errors, to ensure your system maintains its reliability. From a two hour course in tube bending to a week long, in-depth training in Swagelok Essentials, we have course options available to meet the unique needs of your business.



Tube Bending Essentials

More connections means greater potential for leaks. This course offers foundational knowledge needed to introduce bent tubing to your system to eliminate connections and leak points found in traditional welded pipe systems.

COURSE OUTLINE:

- Discuss tubing variables and how to properly inspect and select tubing
- Learn cutting methods and proper techniques for deburring tubing
- Identify the parts and procedures of tube benders
- Perform hands-on bending

Cost and Duration: \$200 per person, 2 hours



Tube Fitting Installation and Tube Bending

Ensure system integrity and minimize leakage risks through proper fitting assembly and installation procedures. Discover how incorporating bent tubing into your system can eliminate connections and potential leak points found in traditional screwed and welded pipe systems.

COURSE OUTLINE:

Tube Fitting Installation and Safety

- Identify parts of a tube fitting
- Discuss and demonstrate proper installation and reassembly procedures
- Understand the differences in tube fitting designs, components and the importance of proper assembly
- Identify thread types and installation practices

Tube Bending

- Discuss tubing variables and how to properly inspect and select tubing
- Learn cutting methods and proper techniques for deburring tubing
- Identify the parts and procedures of tube benders
- Perform hands-on fixture bending
- Calculate tubing runs from CAD drawings and bend tubing
- Properly assemble a box comprised of various tubing lengths

Cost and Duration: \$300 per person, Half day



Swagelok Essentials One Day Course

Building on the half day Tube Fitting Installation and Tube Bending Essentials Course, the Swagelok Essentials One Day Course allows you to customize other topics to be included.

COURSE OUTLINE:

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Tube Bending

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Afternoon Portion: *The second half of the day is customized to meet your specific needs. You may choose from the list of topics below to be included.*

- Hose Essentials
- Valve Essentials
- Regulator Essentials
- Medium/High Pressure Cone & Thread Essentials

Cost and Duration: \$500 per person, Full day



Swagelok Essentials Week Long Course



Take a deep dive into all Swagelok Essentials courses. During the week long event, attendees receive hands-on, fundamental skills training from certified experts on a variety of topics that go beyond tube fittings and tube bending.

COURSE OUTLINE:

- **Day 1: Monday, 11:30 am to 4:30 pm**
 - Tube Fitting Installation and Safety Essentials
- **Day 2: Tuesday, 8:00 am to 4:30 pm**
 - Steam System Basics and Management
- **Day 3: Wednesday, 8:00 am to 4:30 pm**
 - Tube Bending Essentials
 - Proper Tube Support
 - Medium/High Pressure Cone and Thread Installation
 - Fundamentals of Pressure Measurement
- **Day 4: Thursday, 8:00 am to 4:30 pm**
 - Hose Essentials
 - Regulator Essentials
 - Safe Valve Selection
- **Day 5: Friday, 8:00 am to 11:00 am**
 - Practical Application of Learnings
 - Recognition and Closing Remarks

Cost and Duration: \$2,950 for full week

Contact us today for more information or training dates and availability.



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