

American Trainco - Over 100,000 Satisfied Students!

MAINTENANCE WELDING

Fundamentals, Practical Applications & Best Practices™

For a schedule of open enrollment classes or to bring this training to your plant or facility, contact us @

1-877-97-TRAIN

www.AmericanTrainco.com

ATTEND THIS SEMINAR AND LEARN ABOUT:

- Welding Techniques
- Welding Processes
- Metal & Filler Selection
- Cutting Processes
- New Fabrications
- Troubleshooting Defects
- Welding Repair
- Welding Quality
- Personal Safety
- Managing Costs
- Record Keeping
-and More!



"A down to earth course for both the novice and experienced welder."

- This seminar can also be presented at your facility for larger groups
- Reserve Your Space Now! Call 1-877-97-TRAIN
- Check us out online at www.AmericanTrainco.com for a complete listing of all seminars coming to your area

MAINTENANCE WELDING

Fundamentals, Practical Applications & Best Practices™

PURPOSE OF TRAINING

Creating high quality welds requires a basic understanding of the different welding techniques, processes and use of metals. And different jobs require different approaches. Not all welding is the same.....

What process do I use?
What joining works best?
What metals should I use?
Why did my last weld fail?
How do I prevent it from failing again?
Am I safe?

This course is designed to answer these and other basic questions so that students can go back to their workplace and immediately improve the quality of their welds. That is the purpose of this course. At an American Trainco seminar, we provide *real world training.... for real world needs*, to help you in your job today!

TRAINING OUTCOMES

Upon completion of this course students will receive a personalized Certificate of Completion and .7 CEU's (Continuing Education Units) approved by the Maintenance Training Association of the Americas for each day attended (1.4 credits for two days), indicating that the student has learned:

- What welding techniques to use for different applications
- How to select between STICK, MIG, TIG and other welding processes
- How to weld on the five primary metals
- How to weld on alloys
- Proper metal filler selection for all applications
- Proper cutting processes
- The hazards associated with welding and how to prevent injury to self or others
- What records to keep for maintaining efficiency & reducing costs

TEACHING PHILOSOPHY

"Real World Training...for Real World Needs", is not just our slogan, but also our mission statement. At American Trainco, we approach our students as if they were our own employees. We instruct and guide them in practical knowledge that allows them to immediately go back to their workplace and apply what they have learned. Our instructors are seasoned veterans with years of real world experience, and the students who attend our seminars often get more from a few days of training than an entire year of reading textbooks or watching videos. How do we know? They tell us.

Anyone can teach theory, but there simply is no substitution for experience. What sets American Trainco apart is our ability to communicate that experience to our students. As one attendee told us at the end of his two-day training course, "I think I can go back to work now and teach the veterans a thing or two."

Mission accomplished.

ABOUT OUR INSTRUCTORS

All American Trainco instructors are required to have a formal education and real world work experience. They need to be leaders in their field. We don't hire field people without teaching experience, and we don't hire teachers without field experience. They must have both. And since attendees critique the instructor at the end of each class, a positive and enjoyable learning experience is virtually guaranteed.

TRAINING CERTIFICATE

After completion of this seminar students will receive a personalized Certificate of Completion and 1.4 CEU's (Continuing Education Units) approved by the Maintenance Training Association of the Americas.

UNAFFILIATED & NON-COMMERCIAL

Unlike some training experiences, you won't get a sales presentation at an American Trainco seminar - all you get is an honest, commercially unbiased education. We do not engage in the practice of selling or promoting any other company's products or services, so you know that by attending one of our seminars, your time and money is well spent.

WHO SHOULD ATTEND

This course is designed for anyone who needs to understand welding practices and procedures. Attendees come from a wide variety of industries, skill-levels, company sizes, and backgrounds, so if you're not sure you will fit in or benefit from the class, don't worry - you will - as long as your job involves welding. But if you still have doubts, remember our no-risk registration and money-back guarantee. Over 25,000 students have attended our seminars in just the past three years and over 99.96% of them have gone home satisfied.

People who will benefit from attending this seminar include:

*All Welders
Maintenance & Repair Personnel
Multi-Craft Technicians
Pipefitters
Plumbers
Fabricators
Maintenance Supervisors & Managers
Inspectors
Anyone whose job involves welding*



C O U R S E O V E R V I E W

Techniques In Welding

- Butt Joint
- Lap Joint
- Fillet
- Complete Joint Penetration
- Partial Joint Penetration
- Welding Position, Flat, Horizontal, Vertical and Overhead

Types of Welding Processes

- STICK (SMAW)
- MIG (GMAW)
- TIG (GTAW)
- Other; Flux Cored (FCAW) and Oxyacetylene

How To Weld On Steel

- Steel and Its Alloys
- Selection of Welding Processes
- Preheating
- Best Practices for Welding On Steel

How To Weld On Aluminum Alloys

- Selection of Welding Processes
- Filler Metals for Aluminum Alloys
- Best Practices for Welding On Aluminum Alloys

How To Weld On Stainless Steel

- Types Of Stainless Steel
- Filler Metal Selection for Stainless Steel
- Best Practices for Welding On Stainless Steel

How To Weld Repair Cast Iron

- Problems In Welding Cast Iron
- Filler Metal Selection
- Best Practices for Welding Cast Iron

Welding and Brazing On Copper and Copper Alloys

- Welding And Brazing On Cast And Wrought Products
- Filler Metal Selection
- Best Practices For Welding On Copper And Alloys

Review of Cutting Processes for Maintenance Welding

- Plasma Machines
- Oxyacetylene

Welding Safety

- Heat Protection
- Electrical Shock
- Radiation Protection
- Hearing Protection
- Smoke and Fume Protection

Welding Costs and Records

- Use of Welding Codes
- Personnel Certification
- Written Welding Procedures
- Welding Costs Direct and Hidden



SEMINAR AGENDA

7:30 am	Registration
8:00 am	Class Begins
12:00 - 1:00 pm	Lunch (on your own)
4:30 pm	Class Ends

SEMINAR FEE

\$990 Both Days

NO RISK REGISTRATION & MONEY-BACK GUARANTEE

If you're not sure you'll be able to attend this seminar, you can still make a reservation to hold your space in class. While payment is due prior to the start of the seminar, you may choose a full refund or credit for cancellations made at least 24 hours in advance. Student substitutions can also be freely made at any time prior to the start of the seminar. Refunds will not be issued for registered attendees who fail to show up and have not given a notice of cancellation. In the rare event that you do not receive the expected value after attending our seminar, simply notify us in writing of your reasons and your money will be promptly refunded.

HANDS-ON IN HOUSE TRAINING

Let Us Train Your People on Your Equipment

There's simply no substitute for hands-on training using the equipment in your facility. That's why we have created the industry's best welding course to meet the highest demands.....Yours! Keep your employees and expertise in house by providing a real world, hands-on training program under your supervision. Simply give us a call to receive a quote on bringing this or any other maintenance or facility program to you.

Call **1-877-97-TRAIN** and ask for Dan or Adam, or email AdamC@AmericanTrainco.com. Visit us on the web at www.AmericanTrainco.com

OTHER SEMINARS

American Trainco presents a variety of maintenance training seminars throughout the country on a regular basis. Contact us to find out more about the training courses coming to your area, including:

- Arc Flash Electrical Safety
- Basic Electricity for Non-Electricians
- Electrical Troubleshooting
- Air Conditioning & Refrigeration
- Boiler Operation, Maintenance & Safety
- Variable Frequency Drives
- PLCs for Non-Programmers
- Electrical Diagrams, Schematics & Drawings
- Standby Generators & Emergency Power
- Pumps & Pump Systems
- 2011 National Electrical Code®
- Electrical PM & Best Practices
- Hydraulics
- Saving Energy at Your Facility
- Inventory Control for Maintenance
- Predictive Maintenance & Condition Monitoring

Reserve Your Space Now!

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Or Online at: www.AmericanTrainco.com

▶ **"Great instructor!"**

David Zachary - Puget Sound Energy

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REGISTRATION

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Highly Recommended™

William Salvatti Jr.
Elec/Mech Technician - Alloy Surfaces

SEMINAR FEE
\$990 Both Days

FIVE EASY WAYS TO REGISTER:

- 1) **Internet** www.AmericanTrainco.com
- 2) **Fax** (303) 531-4565
- 3) **Phone** Toll Free 1-877-97-TRAIN 1-877-978-7246 or (303) 531-4560
- 4) **Mail** this form to: American Trainco, Inc. P.O. Box 3397 Englewood, CO 80155
- 5) **E-mail** the information requested on this form to: Sales@AmericanTrainco.com

Authorizing Person/Supervisor: Name _____

Title _____ Company Name _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____ Email _____

Seminar Attendees:	Name	Title	E-Mail	Seminar City

Billing Information: (Please fill out this section only if the "Bill To" name and address is different than the Authorizing Person's name and address above.)

Individual's Name _____ Title _____ Company Name _____

Address _____ City _____ State _____ Zip _____

Phone _____ Fax _____ Email _____

Payment Method:

- Visa
- MasterCard
- Discover
- American Express

Card Number: _____

Expiration Date: _____

Name on Card: _____

Signature: _____

Check Enclosed (Make payable to: American Trainco, Inc.)

Bill Purchase Order #: _____



PO Box 3397
Englewood, CO 80155



PROMOTION CODE

X05

PUB WL5R

GOT A LARGE GROUP?

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1-877-97-TRAIN