Training Today for Tomorrow’s Technology in Welding and Welding Inspection

Information for 2017

Mailing address (USPS):
P.O. Drawer 1900
Pascagoula, MS 39568

or

Physical address (UPS/FedEx):
4200 Industrial Road
Pascagoula, MS 39581

Ph: 228-762-2890
Fax: 228-769-5219

Email: info@realeducational.com
Website: www.realeducational.com

AWS Educational Institution Member and AWS Sustaining Member
This is the location of our school in the North Georgia Mountains. Come to Ellijay, GA with us and enjoy the small town, relaxed atmosphere, the North Georgia Mountain scenery and motels and restaurants within 5 minutes of the school.

Our Ellijay facility is a dedicated training environment. In other words, there are no distractions, noise or activities to overcome while studying. We have prepared this location with all the knowledge we have gathered over the years of teaching using the latest in presentation equipment to enhance your learning experience. Our large classroom with individual tables and comfortable chairs provides an excellent learning environment. The opportunity is here to get the individual attention and small class that allows students to succeed in their endeavors. Those who have attended classes in GA will agree, it really is the best location for quality training.
Company History

As a former welder, vocational welding instructor and current owner/operator of a mechanical testing laboratory, Gerald W. Taylor founded Real Educational Services, Inc. in 1991. Real Educational Services, Inc. was formed as a training organization that specialized in welding inspection and quality programs related to welding for all aspects of industry.

Linda D. Taylor joined the company in 1997. Her background includes course development, technical instruction and nondestructive testing (NDT). Over the next few years Real Educational Services, Inc. underwent a change in ownership, becoming a disabled veteran, woman owned, company.

We are proud to announce Jason Taylor joined us in 2016. As Gerald’s oldest son he has experience in mechanical testing and NDT as well as being a Mechanical Engineer serving as Manager of his department in a large company. We are looking forward to Jason bringing new ideas for training to Real Educational Services, Inc.

Due to the success our company has enjoyed over the years, additional personnel are projected to come aboard to assist with the growing numbers in 2017.

Currently Real Educational Services has offices in Pascagoula MS, Houston TX and Ellijay GA.

Classroom Locations

4200 Industrial Road, Pascagoula, MS 39581
61 Old Highway 5 South, Ellijay, GA 30540
14300 Cornerstone Village Dr., Bldg. II, Suite 122, Houston, TX 77014
Call for information for classes in other states.
Our Philosophy on Training

Real Educational Services, Inc. provides the highest quality technical training to the industry with two primary intentions:

1. To enhance knowledge and skills of our students in an effort to further application of quality practices throughout the industry.
2. To assist our students in their efforts to achieve their highest attainable goals.

Real Educational Services, Inc. places emphasis on the use of practical hands-on experiences and utilizes comprehensive measurement devices in each training program offered in the areas of quality and welding inspection. All training programs are available at any of the Real Educational Services, Inc. facilities as well as at customer locations.

Real Educational Services, Inc. has the following objectives:

1. Provide “real” training experiences that lead to “real” job knowledge and skills.
2. Provide technical training that is informative and interesting, employing maximum use of “real” hands-on training experiences.
3. Ensure our performance and delivery remains our best source of future growth by warranting word of mouth recommendations from our students.
4. Ensure our competency-based certificates are recognized with respect and value in the industry.

Contact and Registration Information

Requests for information or registration may be directed to our office by phone or email.

Phone: 228-762-2890   Email: info@realeducational.com

Check out our website and register for classes online at: www.realeducational.com
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Course Listing

**Classroom Courses:**
Certified Welding Inspector/Educator (CWI/CWE) 80 Hour Preparatory Course
9 Year SCWI/CWI Recertification Workshop (80 Hours)*
Senior Certified Welding Inspector (SCWI) Preparatory (40 Hour Course)*
Radiographic Film Interpretation Level II (40 Hour Course)*
Applications of Visual Welding Inspection (40 Hour Course)*
Welding Procedure Fundamentals (40 Hour Course)*
Ultrasonic Inspection (UT) Digital Thickness*
Liquid Penetrant / Magnetic Particle (PT/MT) Inspection Level I and II*

**Online Courses:**
CWI Pre-Course / Refresher Training (40 Hours)
Certified Welding Inspector/Educator (CWI/CWE) Preparatory (80 Hour Course)
9 Year SCWI/CWI Recertification Workshop (80 Hour Course)*
Certified Welding Supervisor (CWS) Preparatory (40 Hour Course)*
Welding Fundamentals (40 Hour Course)*
CWI Part B Examination Preparatory (40 Hour Course)
AWS D1.1 - Structural Steel Code for CWI Endorsement (40 Hour Course)*
AWS D1.5 – Bridge Code for CWI Endorsement (40 Hour Course
API 1104 Standard – Welding of Pipelines and Related Facilities (40 Hour Course)*
ASME Section IX, B31.1 and B31.3 for CWI Endorsement (40 Hour Course) *
Senior Certified Welding Inspector (SCWI) Preparatory (40 Hour Course)*
API 570 Piping Inspector (80 Hour Course)*
API 1169 Pipeline Inspector (40 Hour Course)*

*CWIs – Suggested Courses For Continuing Education and Renewal Hours
CWI PRE-COURSE/REFRESHER TRAINING ONLINE 40 HOURS

30 Days Online To Use As A Pre-Course Study Prior To Taking The Two Week In Classroom CWI Preparatory Or To Use As A Refresher Prior To Taking Welding Fundamentals And Code Exams. If an instructor covering all the information and reviewing questions increases your ability to learn instead of just reading the information but still want to stay at home, try this short course layout. Videos, just like lectures in class and quizzes that can provide the repetition needed to soak up information prior to entering the classroom environment. Reminder, this is a Pre-course or Refresher only.

Price: $350.00

APPLICATIONS OF VISUAL WELDING INSPECTION 40 HOURS

Learn The Welding Inspector’s Job. Enjoy one full week of hands-on instruction covering all the aspects of welding inspection in our shop and classroom facility in Ellijay, GA. The simulated job begins with drawings and materials and ends with hydro-test and NDT. Before stepping out into the world of inspection with a new CWI card, get prepared and also collect 40 hours of training toward the CWI renewal. This course is conducted in the shop and classroom so bring appropriate clothing. Pre-requisite: CWI or CWI Pre-Course

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Price: $1050.00

Note For Those Who Are Seeking CWI Certification: Please consider how much studying you can get done prior to the class and how long the class is before choosing your course of action. There is a large amount of information to master prior to test day. Remember the tests will cover book information, not from field experience necessarily. If you decide you need more time, consider taking the online for at least part of the course as in Option 2 on the next page. The best preparation would be to take some of the other courses before the CWI such as CWI Pre-Course, followed by Applications of Visual Inspection and Welding Procedure Fundamentals. These courses would greatly increase your knowledge before tackling the CWI.
CWI/CWE PREPARATORY COURSE:  OPTION 1

Two Week Course In Classroom  This course is conducted in two consecutive weeks, Monday through Friday, with homework each night and on the weekend during the course. The first week is dedicated to learning Welding Fundamentals and how to use the API 1104 or AWS D1.1, whichever you choose to test with. The second week is dedicated to preparation for the Practical Examination and refining your test taking skills. If you prefer to have an instructor in person for the complete presentation, then this is the course for you. Remember, there is an enormous amount of information to be presented so the course will move at a moderate pace. Completion of all daily homework assignments is a must to be successful.

CWI PREPARATORY TWO WEEKS IN CLASSROOM

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Price: $1800.00

Look For Our Online CWI Pre-Course Study Course on the Previous Page.
CWI/CWE PREPARATORY COURSE: OPTION 2 HAS 2 PARTS – SEE BELOW

Part 1 is 90 Days Online Welding Fundamentals And Code Preparation Then Part 2 is 40 Hours In Classroom For Part B Practical Exam Preparation. This course layout allows more time to learn the largest amount of information prior to entering the classroom environment. Once the online Welding Fundamentals and Code Preparation have been successfully completed, students should possess the knowledge and skills needed for the Practical Exam Preparation week. This week will be dedicated to learning the Part B Specification, working with tools and plastic replicas and refining your test taking skills. If the classroom environment and an instructor for the hands-on preparation is preferred but more time to absorb the largest part of the information is needed to pass these exams, consider this layout. Learning welding fundamentals and skills of navigating documents prior to the Practical week is extremely important so don’t try to skip that step!

PART 2 DATES - CWI PART B PRACTICAL EXAM PREPARATION WEEK*

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Price: $900.00 (For One Week Practical Exam Preparation in Classroom)
Plus: $900.00 (For 90 Days Online Fundamentals And Code Online)
Total: $1800.00

*Part B Week Is Also For Students Who Need Part B Practical Only
CWI/CWE PREPARATORY COURSE:  OPTION 3

90 Days Online Access To All Three Preparatory Parts: Welding Fundamentals, Practical Exam Prep And API 1104 Or AWS D1.1 With Opportunity To Rent Plastic Replicas And Tools. This option of preparing for the CWI exams allows our students to work their studies around their schedule in their own environment. Upon completion of the Welding Fundamentals and Code Preparation online, the replicas and tools can be rented for 30 days (with deposit) and used along with the instructional videos online for the hands on portion of the Part B Exam. Learn to measure weld size, joint preparation, identify and evaluate discontinuities on your terms. For those who can exercise self-discipline, set up a study schedule and adhere to it, this approach would be a win-win. No time away from home or work, no out of town expenses and still get the hands on practice!

Price: $1800.00    Extend Your Access Or Repeat For $500 For 30 Days, $250 For 14 Days

An Additional Deposit Of $1500.00 Is Required For Rental Of Tools And Replicas Prior To Shipping. Upon Return Of All Tools And Replicas In Good Condition, $1150.00 Will Be Refunded To The Original Purchaser.

SPECIAL PRACTICAL WEEK IN CLASSROOM FOR RETESTERS
(SMALL GROUP SESSION - LIMITED TO 15 STUDENTS PER CLASS)

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Price: $1275.00       Schedule Your Own Test With AWS – No Test Follows This Class

PRACTICAL WEEK IN CLASSROOM FOR RETESTERS
(LARGER GROUP)

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Price: $900.00       Schedule Your Own Test With AWS – No Test Follows This Class
RADIOGRAPHIC FILM INTERPRETATION CLASSROOM 40 HOURS

Learn How To Evaluate RT Film Before Signing For It. Individuals will learn how to recognize both weld and base metal discontinuities, but more importantly, they will be able to determine radiographic quality and whether a discontinuity is acceptable or rejectable per the requirements of various referencing standards. This course is practical in nature and includes ample film viewing sessions with attention given to each attendee. Special emphasis is placed on radiographic quality requirements and the accept/reject criteria of predominantly used Codes.

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Price: $900.00

WELDING PROCEDURE FUNDAMENTALS CLASSROOM 40 HOURS

Increase Your Understanding Of Welding Procedure And Welder Qualification To AWS D1.1, ASME Section IX and API 1104 By Taking This Course. Students learn how to determine requirements for procedure qualification, document welding parameters and develop the Welding Procedure, Procedure Qualification Record and Welder Performance Qualification Record. This course involves many practical exercises to develop skills in applying technical requirements of the source documents as well as focus on the details required of documentation.

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Price: $900.00
SENIOR CERTIFIED WELDING INSPECTOR (SCWI) 40 HOURS

Take the next step in AWS Certification with SCWI. This course offers training experiences designed to prepare individuals meeting the requirements of the AWS QC-1 to successfully complete the AWS SCWI examinations. As part of the requirements of AWS QC-1, individuals must have a minimum of 6 years as a CWI and 15 years experience in a welding related field to take the SCWI examinations. Students will be required to provide their own Codes, Standards and Recommended Practices to be used during the course. A suggested list of study materials is published on the AWS website as the SCWI body of knowledge. SCWI students may attend the first week of the CWI/CWE (Welding Fundamentals). This course is also offered online for those who need to stay on the job.

Price: $900.00

CERTIFIED WELDING SUPERVISOR (CWS) 40 HOURS

Gain Valuable Information To Improve Production and Quality. This preparatory course concentrates on the knowledge needed to improve weld quality, increase productivity and provide a safe and efficient welding environment. Not a course in welding inspection but from the production aspect instead. A battery of over 1000 questions will be formally asked and answered during the course. Application for testing should be sent directly to AWS for this certification. This course is offered online or can be scheduled for companies upon request.

Price: $900.00

9 YEAR SCWI OR CWI RECERTIFICATION WORKSHOP 80 HOURS

Renew Your SCWI Or CWI Without Testing! This course is designed for individuals at the 9th, 18th or 27th year who intend to renew their SCWI or CWI certification with training hours instead of retesting. This course will challenge the inspector’s knowledge in welding inspection and use of codes, standards and specifications and involves the attendee in progressively more difficult problem solving exercises. Course topics are taken from AWS B5.1. Application for renewal/recertification must be sent directly to AWS. Registration forms for course the must be sent to Real Educational Services.

Price: $1625.00
ENDORSEMENT COURSES FOR SCWI AND CWI  40 HOURS

These courses are specifically designed for SCWI or CWI/CWE endorsement testing to develop skills to identify pertinent information provided, quickly locate the appropriate section of the Code to be used and accurately interpret Code requirements. Courses are available for the following Codes/Standards: ASME Section IX, ASME B31.1 and B31.3, AWS D1.1, AWS D1.5 or API 1104. Students are required to provide their own Code or Standard to be used during the course and the examination. These courses are offered online with lecture, quizzes and examinations. Application for testing must be sent directly to AWS. Registration forms for course must be sent to Real Educational Services.

Price: $575.00

NON-DESTRUCTIVE EXAMINATION COURSES IN MT, PT OR UT THICKNESS

GET THEORY AND HANDS-ON PRACTICE IN THE CLASSROOM OR SHOP. If you are new to the welding industry or would like to know more about the methods of non-destructive testing, these classes offer both lecture and a chance to get in the shop for practical application. Course contents and examinations meet the classroom training requirements of ASNT SNT-TC-1A for Level I and II certification. Courses will be scheduled based on student participation.

Price for PT/MT (4 Days): $800    Price for UTT (3 Days): $575
API 570  PIPING INSPECTOR   80 HOURS ONLINE

Broaden Your Field In Welding Inspection With API 570 Certification. This course offers comprehensive coverage of the topics listed in the body of knowledge for the API 570 exams. We use a "parts to production" course layout that steps through the material covering components, design, fabrication, inspection and in-service inspection including potential damage mechanisms. There are math videos and practice as well as many hours of video that go through the code requirements. Following each of the video modules are quizzes to test knowledge. At the end of the course there are timed practice exams to simulate the API certification exams.

Price: $1425.00

API 1169   PIPELINE INSPECTOR   40 HOURS ONLINE

For Those Who Want To Step Up In The Pipeline Industry, Get Prepared for the API 1169 Exam. The newly adopted Pipeline Inspector certification will be a necessity in 2018. This course is designed to cover the extensive body of knowledge for the Pipeline Inspector certification exam. Detailed instructor delivered lessons break down each topic piece by piece to allow students to study in small segments. Followed up with computerized quizzes to add repetition of study material for increased level of learning and understanding. All material may be repeated as many times as needed to ensure ample learning opportunities. Final exams to simulate the actual test situation are available at the end of the course.

Price: $900.00

API 510   PRESSURE VESSEL INSPECTOR   80 HOURS

Expand Your Opportunities To Pressure Vessel Inspection With The API 510 Certification. This course is designed for individuals who desire to achieve the certification of an API 510 Pressure Vessel Inspector. The course is structured around the topics listed in the body of knowledge for the API 510 exams. Instructor to student videos to encompass the complete API 510 body of knowledge with walk through step-by-step calculations as required for the certification exams. Following each video module are quizzes to test retention and knowledge. The course concludes with timed practice exams to simulate the API certification exams. Each portion can be repeated several times to achieve desired results.

Price: $1425.00
Online Course Requirements

Online Courses  We are continually improving and updating the training experience in our Virtual Training Center. Our online students have the advantage of moving to the front of the class to experience teaching in an almost personal, one on one, environment. The video and image content is high definition, bringing you up close to the tools, samples and specifications. The audio has been digitally enhanced for clarity of speech so the student doesn't have strain to pay attention and can retain more of the critical information and successful test taking hints.

The basic requirements for participation in the Virtual Training Center are:
• Computer with sound
• High speed internet access (HD Video - Standard Definition can be selected for improved speed)
• Printer
• Confirmed email address
• Up-to-date internet browser (Firefox, Chrome, Safari, IE, etc.)
• Adobe Reader installed
• Adobe Flash installed

As with any instruction, the time and effort you put into it, determines what you get out of it! It is important for the student to schedule and dedicate the appropriate amount of time to the online courses. Also, the student will enhance their ability to pass exams by eliminating distractions and be ready to take notes with pencil and paper, preferably a notebook. The student should have the same calculator that they will use for any exam they may take with AWS. Certain courses require specific code books, publications and documentation. If these books not provided via download in the course, they are the responsibility of the student to acquire prior to starting the course.

AWS does not allow online testing. The student will be responsible for contacting AWS and scheduling any examinations for certification directly with them.

Once a student has registered and paid in full, they will be sent an email with instructions, login link, user name and password.
Design of our Courses

Real Educational Services, Inc. provides the highest quality training to each student by creating innovative, interesting and technically sound courses. Each course is designed using multiple sets of training aids realizing that hands-on training is the most important aspect of learning. Students participate in practical exercises, which duplicate the real work situations that could be encountered by the welding inspector. Experiences in the classroom and shop environment are progressively more challenging as the student continues through the curriculum.

New online courses will continue to be added to our offerings in 2017. Our online training offers the convenience of completing lessons at your own pace, flexibility of working around your schedule and the financial benefits of not traveling to a training location while providing the student a direct line of communication to the instructor via email. Please check our website occasionally to find out what has just been released!

We are continually striving to improve the success of our students. We realize there are several aspects to consider when preparing for a timed test. Test taking skills, managing the time given and using the preprinted test forms shouldn't be a surprise on test day. When attending our Preparatory Courses students take multiple timed, practice tests on forms similar to those used in testing and receive immediate feedback of their test results.

About the Instructors

Real Educational Services provides motivated, experienced and technically competent instructors who are empowered to accomplish our mission. Gerald W. Taylor, now with more than 40 years experience in training, consulting and welding inspection, remains an integral part of the company offering extensive technical expertise and exceptional instructional abilities. Linda D. Taylor also works with the company in the capacity of instructor, program manager and course developer and has over 20 years technical instructional experience. Together, Gerald and Linda Taylor develop all course curriculum and strive to make each course the best in the industry. Certifications (past and/or present): AWS SCWI/CWI, AWS CWS, AWS CRI, API 510 & 570, ASNT Level III MT, PT, RT and VT.
Directions to our Facilities

4200 Industrial Road, Pascagoula, MS 39581
From Interstate 10, take Mississippi exit #69. Turn south from the ramp onto Hwy 63. Stay on Hwy 63/611 going south. Hwy 63/611 crosses Hwy 90 in approximately 3 miles and becomes Industrial Road. Continue south after crossing Hwy 90. Real Educational Services and Techweld, Inc. are on the left approximately ½ mile after crossing Hwy 90.

61 Old Highway 5 South, Ellijay, GA 30540
From Atlanta take Interstate 75 north to I-575 north toward Canton. From I-575 continue onto GA 515 toward Jasper and Ellijay. From Hwy 515 make a left turn at the first traffic light coming into Ellijay (CVS will be on the left). This road will be Howard Simmons parkway. Continue to end and turn right at intersection. Drive approximately 4 tenths of a mile to Real Educational Services on right. Please be aware that some GPS will take you north of Ellijay on Hwy 5, which is incorrect. Be sure to follow the information above to find our location south of town.

14300 Cornerstone Village Drive, Suite 122, Houston
From Interstate 10, take 610 North to Interstate 45 North toward Dallas. Exit on to FM 1960 and turn left (West). On FM 1960 drive 4.2 mile the turn left on to Walters Road for .4 miles, then right on Loverswood. Go to stop sign, parking will be on the left.

Date/Location Changes
Due to student registration, courses may be changed to alternate locations or dates. If the location or date is changed, notification will be sent to the student prior to the course start date.

Course Locations
Any course may be taught at one of our facilities, your facility or a pre-arranged location. Even though the course may not be held at our facility, the quality of our training remains consistent. By design, our courses and associated training aids are portable, bringing the same hands-on emphasis to training no matter where the course is held.
Details for SCWI/CWI/CWE Applicants

AWS limits the number of students we can test on any test day to 50. Applications and seats for testing will be assigned a number in the order of receipt by Real Educational Services. Since several students have taken up space for testing and then decided to reschedule at the last minute, we are now forced to apply different rules than what we have used in the past. **Full payment for the class and AWS fees is required at the time of application to be reserved a seat for the class and testing.**

Application for Testing to AWS

Students preparing to take the examinations offered for SCWI, CWS and CWI/CWE will be required to fill out an AWS application that must be completed and turned into Real Educational Services 7 weeks prior to the scheduled test date. Visual Acuity Forms should accompany the initial application. Applications received after their deadline may be assessed a late fee by AWS. Payment for AWS membership and test fees must accompany the application for submission.

For those who elect to test at a later date or those participating in online training, testing may be done at any of the AWS national examination sites. Applications for testing at AWS national examination sites must be sent directly to AWS. AWS requires applications be received not less than 6 weeks prior to their test date. Any applications received after that time will be assessed a “fast track fee” by AWS (if received inside of 6 weeks).

Other Sources of Materials

**Study materials** – Pre-course study materials are provided to registered students of the AWS SCWI/CWI/CWE. Upon registration and meeting deposit requirements for the class, pre-course study guides and questions are mailed to the student. Applicable reference Codes or excerpts, which are the responsibility of the student, may be obtained from Techstreet at 1-800-699-9277 or online at [www.techstreet.com](http://www.techstreet.com). Another source is Brown Book Shop in Houston, TX at 800-711-1888 or 713-652-1917 or online at [orders@brownbookshop.com](mailto:orders@brownbookshop.com).
What to Bring to Class

Calculators - Most courses will require the use of a calculator. For certification courses such as CWI/CWE, SCWI or CWS, calculators to be used during testing must meet the requirements of the certifying organization. Most students bring either a Construction Master or a scientific calculator. Just bring a calculator you can use or learn in class.

Tools – When use of tools is required for classroom exercises, all necessary tools will be provided by Real Educational Services. Students will not be allowed to use their own personal tools during the certification examinations. AWS allows the basic or scientific calculator or the construction calculator. When tools are required for certification testing, students must use tools provided by the certifying organization, as in AWS supplying tools for all students taking the CWI/CWE/CWS examinations.

For CWI/CWE Students AWS Confirmation Letter and Part B Specification – Bring your package with the Part B Specification and the confirmation letter that you receive from AWS with you to class. This could arrive as an email or via US Post Office. If you do not receive this material before coming to class, you should call AWS at 800-443-9353 ext. 273.

Other materials – Student texts and workbooks are provided, as applicable and may be used for note taking. Most are the property of the student upon course completion. For certification examinations, the student must provide their own reference materials such as Codes or Standards.

Class Time

All classes begin at 8am and run a minimum of 8 hours each scheduled day. Certification preparatory courses are designed to cover a certain amount of material each day and may take beyond 8 hours. These courses also include homework.
Real Educational Services, Inc. provides the highest quality training to each student by creating innovative, interesting and technically sound courses and presenting the highest quality training using multiple sets of training aids realizing that hands-on training is the most important aspect. All of this is possible by providing motivated, experienced and technically competent instructors who are empowered to accomplish our mission. Each instructor has a minimum of 30 years experience as a teacher or instructor and is certified in their areas of instruction.

We are committed to your success!

Gerald and Linda Taylor