



American Welding Society®

2020 SUMMER/FALL PRODUCTS AND SERVICES CATALOG



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American Welding Society®



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*Safety in Welding Course is free to view. For Certificate of Completion or PDHs, enrollment fee will be required.

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NEW IN THIS CATALOG

A2.4:2020, <i>Standard Symbols for Welding, Brazing, and Nondestructive Examination</i>	Page 43
A4.3:1993-ADD1, <i>Standard Methods for Determination of the Diffusible Hydrogen Content of Martensitic, Bainitic, and Ferritic Steel Weld Metal Produced by Arc Welding</i>	76
A5.26/A5.26M:2020, <i>Specification for Carbon and Low-Alloy Steel Electrodes for Electrode Gas Welding</i>	78
A5.39/A5.39M, <i>Specification for Flux and Electrode Combinations for Submerged Arc and Electroslag Joining and Surfacing of Stainless Steel and Nickel Alloys</i>	78
C3.14M/C3.14:2020, <i>Standard Method for Evaluation of Brazed Joints Using Visual and Metallographic Techniques</i>	55
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American Welding Society®

ADVANCE YOUR CAREER IN WELDING WITH ONE OF OUR PROFESSIONAL CERTIFICATIONS

American Welding Society Certifications offer an opportunity to demonstrate your knowledge, skills, and abilities that can enhance your career in the welding industry. Nine different certifications are available to support your success.

- ◆ Certified Welder (CW)
- ◆ Certified Welding Inspector (CWI)
- ◆ Certified Resistance Welding Technician (CRWT)
- ◆ Certified Radiographic Interpreter (CRI)
- ◆ Certified Robotic Arc Welding Operator or Technician (CRAW)
- ◆ Certified Welding Educator (CWE)
- ◆ Certified Welding Engineer (CWEEng)
- ◆ Certified Welding Sales Representative (CWSR)
- ◆ Certified Welding Supervisor (CWS)

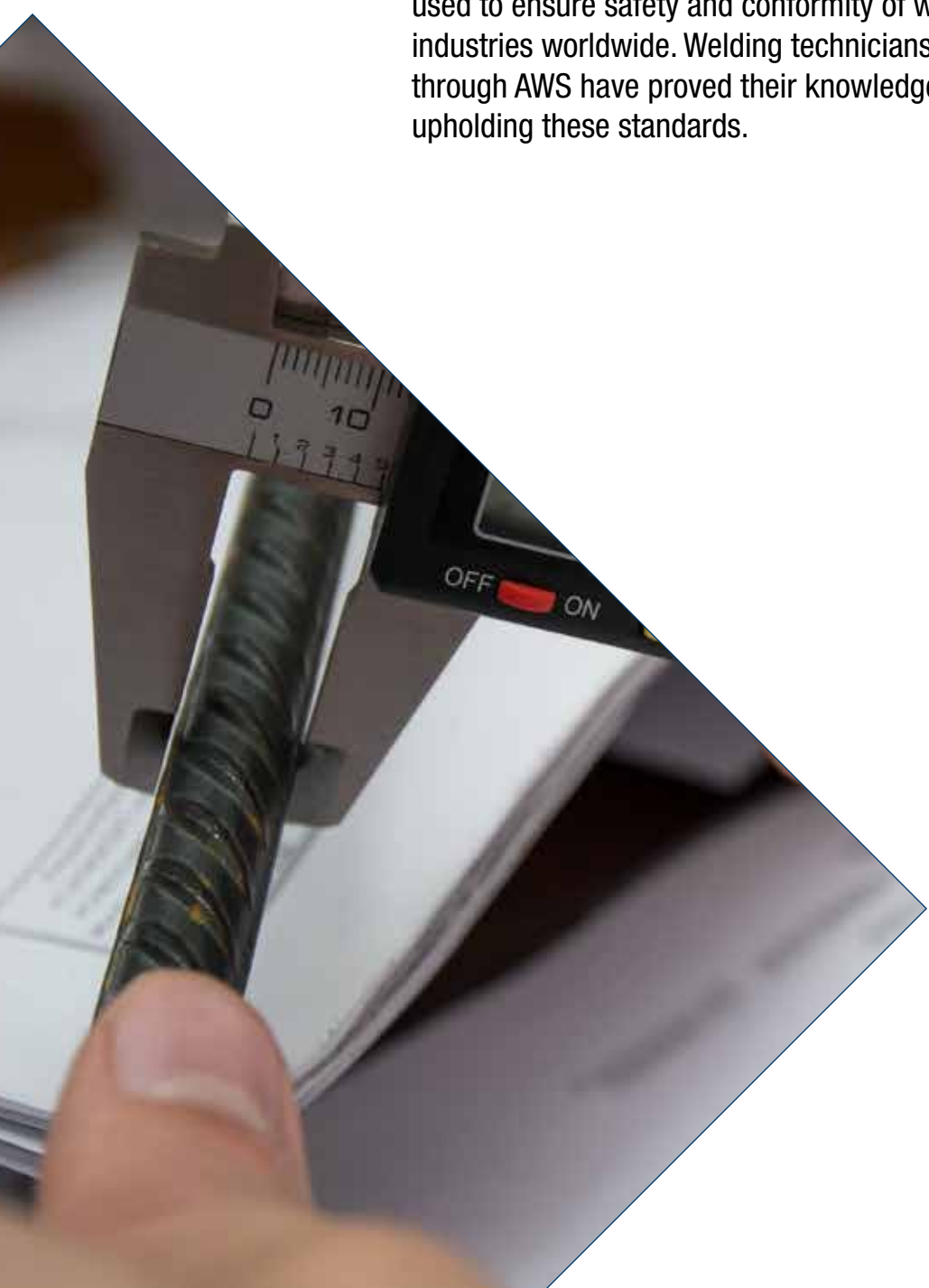
Learn More at aws.org/certification

NEW MEMBER BONUS

Become an AWS Member and purchase an AWS publication for \$35 - up to a **82% discount!** You can choose from a list of over 20 popular titles, including the *Welding Handbook*.

PROFESSIONAL AND CAREER DEVELOPMENT RESOURCES

For the past century, the American Welding Society (AWS) has pioneered the advancement of uniform practices and procedures used throughout the welding industry. Today, AWS Standards are used to ensure safety and conformity of weld quality in a multitude of industries worldwide. Welding technicians and professionals certified through AWS have proved their knowledge of and commitment to upholding these standards.





CERTIFICATION, ENDORSEMENT, AND ACCREDITATION PROGRAMS

Certification Programs for Individuals

CERTIFIED WELDER (CW)

The Certified Welder program is a performance-based credential that tests the candidate's practical skills and application of procedures used in the structural steel, petroleum pipelines, sheet metal, and chemical refinery welding industries.

CERTIFIED WELDING INSPECTOR (CWI)

The Certified Welding Inspector program evaluates the candidate's understanding of welding inspection concepts and principles, ability to locate and understand information within the specific code book, and knowledge of welds.

SENIOR CERTIFIED WELDING INSPECTOR (SCWI)

Expands on the education, knowledge and experience of the CWI and evaluates the candidate's ability to solve more complicated weldment issues.

CERTIFIED ASSOCIATE WELDING INSPECTOR (CAWI)

Candidates who need additional experience to qualify for CWI status may choose to take the CWI exam to achieve Associate Welding Inspector status.

CERTIFIED WELDING SUPERVISOR (CWS)

Certified Welding Supervisors are tested on their ability to manage resources, improve productivity and increase profitability based on their knowledge of welding safety, planning, fabrication, inspection, documentation, and economics.

CERTIFIED WELDING EDUCATOR (CWE)

The Certified Welding Educator program validates an educator's ability to direct and perform operations associated with welder training and classroom instruction against the globally recognized AWS standard.

CERTIFIED WELDING ENGINEER (CWE_{Eng})

The Certified Welding Engineer credential demonstrates that the holder possesses education and experience to oversee welding operations in accordance with appropriate codes and other documentation associated with weldments and other types of joints.

CERTIFIED RADIOGRAPHIC INTERPRETER (CRI)

The Certified Radiographic Interpreter program certifies the ability to properly identify and assess welding-related indications (e.g. proper film exposure, correct selection of image quality indicators and characterization of indications) produced on radiographic film and related media against acceptance criteria from AWS, API, and ASME codes.

CERTIFIED ROBOTIC ARC WELDING TECHNICIAN/OPERATOR (CRAW-T/CRAW-O)

The Certified Robotic Arc Welding exam tests the experience, education and training needed to effectively operate a robotic welding cell. Depending on the level of experience, individuals who pass a written exam and performance test can be certified as either robotic arc welding operator or technician.

CERTIFIED WELDING SALES REPRESENTATIVE (CWSR)

The Certified Welding Sales Representative (CWSR) program establishes an individual's skills, knowledge, and experience concerning basic terminology, processes, equipment and supplies used in welding sales.

CERTIFIED RESISTANCE WELDING TECHNICIAN (CRWT)

The Certified Resistance Welding Technician (CRWT) credential was developed jointly by AWS and RWMA – provides a nationally recognized benchmark for the evaluation of resistance welding personnel, testing their knowledge, skills and abilities in conducting the setup, operation, maintenance, testing and quality control of resistance welding equipment.

CERTIFICATION, ENDORSEMENT, AND ACCREDITATION PROGRAMS

Endorsement Programs for Certified Welding Inspectors

Certified Welding Inspectors (CWIs) and Senior Certified Welding Inspectors (SCWIs) may supplement their credentials by passing an exam on one or more of 12 endorsement options available through AWS.

Each endorsement focuses on a specific portion of welding code in conformance with codebook examination requirements found in AWS B5.1, *Specification for the Qualification of Welding Inspectors*, Section 7.1, and covers four subject areas: material and design, fabrication, inspection, and qualification. These endorsements also provide necessary PDHs toward recertification.

NEW ENDORSEMENT FOR 2020: WELDER PERFORMANCE QUALIFIER

The all-new AWS Welder Performance Qualifier endorsement is a credential that assesses a candidate's knowledge, skills, and abilities to conduct welder performance qualification tests.

D1.1 STRUCTURAL STEEL WELDING CODE ENDORSEMENT

D1.2 STRUCTURAL ALUMINUM WELDING CODE ENDORSEMENT

D1.5 BRIDGE WELDING CODE ENDORSEMENT

D15.1 RAILROAD WELDING SPECIFICATION FOR CARS AND LOCOMOTIVES ENDORSEMENT

D17.1 SPECIFICATION FOR FUSION WELDING OF AEROSPACE APPLICATIONS ENDORSEMENT

API 1104 WELDING OF PIPELINES AND RELATED FACILITIES ENDORSEMENT

AWS PENETRANT TESTING (PT TYPE II - METHOD C) ENDORSEMENT

This endorsement shall govern visible Penetrant Testing (PT) of welds using the solvent removable method in ferrous and non-ferrous materials manufactured from non-porous materials. Candidates are tested on PT fundamentals using the AWS PT Book of Specifications to answer a combination of multiple choice questions, a written portion and a practical examination.

AWS MAGNETIC PARTICLE TESTING (MT DRY POWDER YOKE METHOD) ENDORSEMENT

This endorsement shall govern Magnetic Particle Testing (MT) of welds in ferromagnetic materials using an electromagnetic yoke with visible dry powder. Candidates are tested on MT fundamentals using the AWS MT Book of Specifications to answer a combination of multiple choice questions, a written portion and a practical examination.

AWS STRUCTURAL BOLTING INSPECTION - BUILDING STRUCTURES ENDORSEMENT

This endorsement tests the candidate's knowledge of material and design, fabrication, inspection, and qualification of RCSC 30 June 2004, AISC LRFD (Load and Resistance Factor Design) THIRD EDITION and AISC Steel Construction Manual, Thirteenth Edition.

AWS STRUCTURAL DRAWING READING - BUILDING STRUCTURES ENDORSEMENT

This endorsement tests the candidate's knowledge of structural construction drawings, blueprint standards, computer-aided design, sections, elevations, schedules, site plans and architectural plans of both residential dwellings and commercial structures.

ASME BPVC SECTION IX, POWER (B31.1) AND PROCESS (B31.3) PIPING

This endorsement tests the candidate's knowledge of material and design, fabrication, inspection, and qualification as presented in ASME standards B31.1 (Power Piping), ASME B31.3 (Process Piping), and Section IX of the ASME Code. (Available on Dec. 1, 2020)

ASME BPVC SECTION VIII, DIV. 1 AND SECTION IX

This endorsement tests the candidate's knowledge of material and design, fabrication, inspection, and qualification as presented in Section VIII and Section IX of the ASME Boiler and Pressure Vessel Code.

CERTIFICATION PROGRAMS 2020 PRICE LIST

	+Member	*Non Member		+Member	*Non Member
INSPECTOR (CAWI, CWI, SCWI)			9-YEAR RECERTIFICATION		
Initial CAWI, CWI Exams*	\$1,070	\$1,325	CWI Part B Exam	\$975	\$1,230
Initial CAWI, CWI and Part B Training*	\$1,580	\$1,835	SCWI Part A & B Exams*	\$1,095	\$1,350
CWI by Reciprocity with CWB or INWC	\$560	\$815	CWI Part B Exam/Part B Training	\$1,905	\$2,160
Upgrade CAWI to CWI	\$270	\$525	CWI/SCWI Endorsement Structural Drawing Reading Exam	\$975	\$1,230
Prometric Initial SCWI*	\$1,070	\$1,325	CWI/SCWI Non-Exam	\$665	\$920
Endorsement Structural Drawing Reading	\$310	\$565	♦ 80 Professional Development Hours (PDHs)		
Prometric Endorsement Exam ^^^	\$370	\$625	♦ Endorsement Exam Prior to 9 th Year of Certification Period		
Prometric Endorsement MT Exam^*	\$430	\$685	♦ Initial CRI Certification		
Prometric Endorsement PT Exam^*	\$430	\$685	CWI/SCWI 9yr Course	\$1,740	\$1,995
Endorsement MT/PT Exam Part B ^ Contact ATF for pricing.			9-YEAR RECERTIFICATION MT/PT		
RETEST			Prometric Endorsement MT Exam^*	\$1,095	\$1,350
CAWI, CWI, CWE (Part A Or C)*	\$370	\$370 ***	Prometric Endorsement PT Exam^*	\$1,095	\$1,350
CAWI, CWI, CWE (Part A and C)*	\$740	\$740 ***	Endorsement MT/PT Exam Part B ^ Contact ATF for pricing.		
CAWI, CWI, CWE (Part B)	\$310	\$310 ***	CERTIFIED WELDING EDUCATOR (CWE)		
CAWI, CWI, CWE (ALL parts)*	\$785	\$1,040	Exam Only*	\$770	\$1,025
CAWI, CWI, CWE (Part B/Part B Training)	\$1,240	\$1,335 **	Non-Exam	\$405	\$660
Prometric SCWI*	\$785	\$1,040	Retest	\$355	\$610
Prometric Endorsement MT/PT (One Part A or C)^*	\$370	\$370 ***	Renewal	\$345	\$600
Prometric Endorsement MT/PT (Two Part)^*	\$430	\$685	CWE FOR SENSE PARTICIPANTS ONLY		
Endorsement MT/PT Exam Part B ^ Contact ATF for pricing.			Exam*	\$370	\$625
PACKAGES			Retest	\$355	\$610
CWI Seminar and Exam Package (D1.1 Focus)*	\$2,585	\$2,840	Retest (Single Part)	\$310	\$310 ***
- CWI Pre-Seminar (online course)	\$750	\$750 ***	Renewal CWE Only	\$225	\$480
CWI Seminar and Exam Package (API 1104 Focus)*	\$2,585	\$2,840	CERTIFIED RADIOGRAPHIC INTERPRETER (CRI)		
- CWI Pre-Seminar (online course)	\$750	\$750 ***	Exam	\$840	\$1,095
CLINICS/SEMINARS/WORKSHOPS (Exam not Included)			Seminar Only	\$1,407	\$1,662
CWI Seminar Week (D1.1 Focus)	\$1,865	\$2,120	Initial Seminar and Exam	\$1,833	\$2,088
CWI Seminar Week (API 1104 Focus)	\$1,865	\$2,120	Retest (All Parts)	\$615	\$615 ***
Seminar Retake (within 12 months of original event)	\$845	\$845 ***	Retest (Per Part)	\$310	\$310 ***
Part B Training Seminar Only	\$930	\$1,025 **	Renewal by Work Experience	\$500	\$755
CWI Pre-Seminar (online course)	\$865	\$1,150 ***	Renewal by Part B Exam	\$720	\$975
Welding Fundamentals I (online course) ►	\$350	\$470 ***	9yr Recertification by Part B Exam	\$805	\$1,060
RENEWAL					
CWI/SCWI 3 rd and 6 th Year Renewal by Work Experience	\$525	\$780			
CWI/SCWI 3 rd and 6 th Year Renewal by Examination	\$835	\$1,090			
CWB or INWC Renewal by Reciprocity	\$480	\$735			

CERTIFICATION PROGRAMS 2020 PRICE LIST

	+Member	*Non Member
CERTIFIED WELDING SUPERVISOR (CWS)		
Prometric Exams♦	\$570	\$658 **
Prometric Retest (Per Part)♦	\$370	\$370 ***
Renewal	\$345	\$433 **
9-yr Recertification PDH♦	\$375	\$463 **
Prometric 9yr Recertification Exam (A&B)♦	\$530	\$618 **
Supervisor Value Pak♦	\$1,784	\$1,872 **
Supervisor Seminar Only	\$1,313	\$1,401 **
Supervisor Seminar & 1 Part Retest♦	\$1,683	\$1,771 **
Supervisor Seminar & 2 Part Retest♦	\$1,883	\$1,971 **

CERTIFIED WELDING SALES REPRESENTATIVE (CWSR)		
Prometric Exams♦	\$370	\$458 **
Prometric Retests♦	\$370	\$458 **
Renewal	\$310	\$310 ***

CERTIFIED WELDING ENGINEER (CWEng)		
Part 1 & 2 Exam	\$450	\$538 **
Part 3 & 4 Exam	\$450	\$538 **
PE Exemption	\$395	\$650
Retest (per part)	\$225	\$313 **
Renewal	\$500	\$755

CERTIFIED RESISTANCE WELDING TECHNICIAN (CRWT)		
CRWT 2-day Seminar	\$620	\$830 ***
CRWT Exam♦	\$370	\$495 ***
CRWT Seminar and Exam Package♦	\$855	\$1,140 ***
Recertification by Exam♦	\$370	\$495 ***
Retest	\$185	\$185 ***

CERTIFIED ROBOTIC ARC WELDING (CRAW)		
Technician/Operator Exam or Retest	\$395	\$650
Operator to Technician Upgrade	\$110	\$110 ***
Technician/Operator Renewal	\$225	\$480
Technician/Operator Recertification by Exam	\$395	\$650
Technician/Operator Recertification by PDH/CEUs	\$225	\$480

CERTIFIED WELDER (CW)		
Certified Welder Application	\$50	\$50 ***
Maintenance of Welder Certification	\$25	\$25 ***

WELDER PERFORMANCE QUALIFIER ENDORSEMENT		
WPQ 2-day Seminar	\$620	\$705 **
WPQ Exam	\$455	\$540 **
WPQ Seminar and Exam Package	\$940	\$1,025 **
WPQ Retest	\$455	\$455 ***

	+Member	*Non Member
EDUCATION'S ONLINE COURSES		
2-Week Online CWI Seminar (incl. 3 year membership)	\$1,865	\$2,120 *
Member \$1,865 (+ \$2,400 refundable deposit)		
Non-member \$2,120 (+ \$2,400 refundable deposit)		
2-Week Online CWI Seminar and Exam	\$2,585	\$2,840 *
(incl. 3 year membership. Prices reflect a \$60 seat fee per part (A or C) & \$120 for ALL parts for Prometric Testing.)		
Member \$2,585 (+ \$2,400 refundable deposit)		
Non-member \$2,840 (+ \$2,400 refundable deposit)		
8-Week Online CWI Seminar (incl. 3 year membership)	\$1,865	\$2,120 *
Member \$1,865 (+ \$2,400 refundable deposit)		
Non-member \$2,120 (+ \$2,400 refundable deposit)		
Science of Nondestructive Testing	\$175	\$235
Welding Sales Representative Seminar	\$450	\$600
Destructive Testing	\$300	\$400
AWS D1.1 Code Clinic	\$250	\$300
AWS D17.1 Code Clinic	\$120	\$150
API 1104 Code Clinic	\$250	\$300
Economics of Welding	\$450	\$600
Understanding Welding Symbols	\$300	\$400
Fabrication Math I	\$385	\$510
Fabrication Math II	\$370	\$495
Safety in Welding	\$74	\$99
WPS/PQR Explained	\$120	\$150
Metallurgy I	\$175	\$235
Metallurgy II	\$175	\$235
Welding Fundamentals I	\$350	\$470
Welding Fundamentals II	\$210	\$265
Welding Fundamentals III	\$150	\$180
Welding Supervisor Package: 7 Online Courses	\$995	\$1,245
CRWT 2-Day Seminar	\$620	\$830

* Non-Member price includes a 3-year AWS Individual Membership unless otherwise noted.

** Non-Member price includes a 1-year AWS Individual Membership.

*** No additional membership included with this price.

^ Additional ATF fees will apply for the practical exam (part B). Prices reflect a \$60 seat fee per part for Prometric initial and/or reexam endorsements. Contact the ATF for Pricing.

♦ Prices reflect a \$60 seat fee per part (A or C) and \$120 for ALL parts for Prometric Testing.

+ Student and transitional memberships do not include membership price.

^^ Price is for all endorsements except Structural Drawing Reading.

► For a complete price list of our online courses please visit

<https://awo.aws.org/online-courses/>. Some online courses can be combined with other certification programs.

Note: Prices are subject to change without notice. Full payment must be received with your completed application or it will not be processed. All checks, money orders and demand drafts must be made payable to: American Welding Society



CERTIFICATION, ENDORSEMENT, AND ACCREDITATION PROGRAMS

Accreditation Programs for Companies

ACCREDITED TEST FACILITY (ATF)

Accredited Test Facilities (ATFs) have met AWS facility, personnel and resource requirements to test welders and qualify them for their Certified Welder credential.

Accredited Test Facility (ATF) Price Schedule*

	North America	International
INITIAL AUDIT FEES		
Document Review	\$720	\$720
Initial On-Site Audit**	\$2,040	\$840 ***
Total	\$2,760	\$1,560
ADDITIONAL FACILITIES		
Document Review	\$600	\$600
Initial On-Site Audit**	\$1,800	\$600 ***
Total	\$2,400	\$1,200
RE-AUDIT		
On-Site Audit**	\$1,100	TBD ***
YEARLY RENEWALS		
Annual 1 st Year	\$360	\$480
Annual 2 nd Year	\$360	\$480
RE-ACCREDITATION AUDIT FEE		
Document Review	\$600	\$600
On-Site Audit**	\$1,800	\$600 ***
Total	\$2,400	\$1,200
MP/PT FEES		
On-Site Audit**	\$1,100	TBD ***

* Fees are subject to change due to individual circumstances for each facility

** Applicants are directly responsible for the auditor's travel expenses

*** Auditor fees for international ATFs are as follows:

Each Travel Day \$400 | On-Site Audit Fee \$800

Total Fee (dependent on # of audit and travel days required)

CERTIFICATION, ENDORSEMENT, AND ACCREDITATION PROGRAMS

APPROVED TESTING CENTER (ATC)

The ATC program was designed to complement the AWS Certified Robotic Arc Welding (CRAW) program by offering companies with robotic arc welding equipment the opportunity to test Certified Welding Inspectors (CWI) and Welders for the CRAW Operator and CRAW Technician certifications at their facility.

There are currently no up-front application fees for the ATC program; however, ATC applicants are responsible for auditor's fees and travel expenses.

CERTIFIED WELDING FABRICATOR (CWF)

The Certified Welding Fabricator (CWF) program recognizes companies that have the resources, procedures, and personnel to apply a quality management system to their welding fabrication activities. An appropriate welding quality system is the foundation of delivering a quality welded product or service. When designed for the welding fabricator's unique products and suitably committed to paper and practice, the daily manufacturing operations of the welding fabricator are more consistent and traceable when problems arise. This program is an affordable alternative or complement to ISO, AISC, NADCAP, and ASME quality certification.

Certified Welding Fabricator (CWF) Price Schedule*

	North America	International
INITIAL AUDIT FEES		
Document Review	\$720	\$720
Initial On-Site Audit**	\$2,040	\$840 ***
Total	\$2,760	\$1,560
ADDITIONAL FACILITIES		
Document Review	\$600	\$600
Initial On-Site Audit**	\$1,800	\$600 ***
Total	\$2,400	\$1,200
3rd YEAR RECERTIFICATION AUDIT FEE		
Document Review	\$600	\$600
On-Site Audit**	\$1,800	\$600 ***
Total	\$2,400	\$1,200
AWS CERTIFICATION FOR AISC ACCREDITED FABRICATORS		
Initial Application	\$420	\$480
Renewal Application (paid annually)	\$140	\$200

* Fees are subject to change due to individual circumstances for each facility

** Applicants are directly responsible for the auditor's travel expenses

*** Auditor fees for international ATFs are as follows:

Each Travel Day \$400 | On-Site Audit Fee \$800

Total Fee (dependent on # of audit and travel days required)



American Welding Society®

HEY CWIs! INTERESTED IN EXPANDING YOUR PROFESSIONAL CREDENTIALS?

CWIs with elevated understanding and skills in specific welding codes are constantly in demand and usually are better compensated. AWS endorsements reflect your demonstrated additional knowledge, skill or ability and are added to your certification credentials.

New Endorsement for 2020: WELDER PERFORMANCE QUALIFIER

The all-new AWS Welder Performance Qualifier endorsement is a credential that assesses a candidate's knowledge, skills, and abilities to conduct welder performance qualification tests.

Show your boss or your clients your commitment to conducting welder qualification testing by earning this endorsement.

Learn more at aws.org/wpqe

Whether you're new to welding or preparing for that next great-paying job, AWS Learning is your one-stop resource for welding education. Our comprehensive catalog of seminars, online courses, and other educational materials are specifically designed to help you achieve your welding career goals.

Visit aws.org/ourcourses to schedule an online demonstration or to learn more about our programs.





I INSTRUCTOR-LED SEMINAR PROGRAMS

The seminars that AWS offers will give you the tools you need to make the most out of your welding career. Whether you're looking for better opportunities or fulfilling company requirements, our wide range of seminars will help you take your welding career to the next level.

	Member	Non Member
CERTIFIED WELDING INSPECTOR SEMINAR	\$1,865	\$2,120
CERTIFIED WELDING INSPECTOR SEMINAR & EXAM	\$2,585	\$2,840
The Certified Welding Inspector seminar is an intensive review of welding inspection science, documentation, and techniques. This six-day seminar assists practicing welding inspectors in mastering the Body of Knowledge that corresponds to the CWI Exam. 6 Days		
CERTIFIED WELDING INSPECTOR PART B TRAINING	\$930	\$1,025
PART B TRAINING & EXAM PACKAGE	\$1,580	\$1,675
Earning the Certified Welding Inspector (CWI) credential is serious work and can have a significant impact on a CWI's career. Some CWI candidates require more immersive preparation on the Part B practical application portion of the CWI exam. The session includes a full-length, timed practice examination to prepare candidates for the CWI practical exam. Length: Part B Training 3 days Part B Training & Exam 4 days Part B Training: 3 Days Part B Training & Exam: 4 Days		
8-WEEK ONLINE CWI SEMINAR*	\$1,865	\$2,120
The 8-Week Online CWI Seminar is designed to prepare participants for the Certified Welding Inspector Exam from the comfort of their own homes. Students meet online twice per week for an interactive, two-hour session with an AWS instructor. All materials are included. Students receive books, practice tests, and inspection tools prior to the start of the course (yours to keep) and a set of plastic weld replicas for the Part B: Practical portion of the seminar (to borrow and return to AWS). Students also have access to online resources one month before and after the seminar.		
2-WEEK ONLINE CWI SEMINAR*	\$1,865	\$2,120
2-WEEK ONLINE CWI SEMINAR & EXAM*	\$2,585	\$2,840
The 2-Week Online CWI Seminar is designed to prepare participants for the Certified Welding Inspector Exam from the comfort of their own homes. The course is similar to the 8-Week Online CWI Seminar; it's just condensed into two weeks of four-hour online sessions hosted by an AWS instructor. All materials are included. Students receive books, practice tests, and inspection tools prior to the start of the course (yours to keep) and a set of plastic weld replicas for the Part B: Practical portion of the seminar (to borrow and return to AWS). Students also have access to online resources one month before and after the seminar.		
CERTIFIED WELDING INSPECTOR 9-YEAR RECERTIFICATION SEMINAR	\$1,740	\$1,995
As an AWS Certified Welding Inspector or Senior Certified Welding Inspector, you must renew your certification every three years. Every nine years, you must recertify, either by examination, obtaining approved endorsements, by recertification course, or by demonstrating 80 hours of continuing education, along with other requirements. Neglecting to recertify prior to your expiration will result in the loss of your certification status and will require you to retest on all parts of the original exam to regain your certification. 6 Days		

Course Length

*Plus \$2,400 refundable deposit for replica rental

INSTRUCTOR-LED SEMINAR PROGRAMS

	Member	Non Member
CERTIFIED RESISTANCE WELDING TECHNICIAN SEMINAR	\$620	\$830
CERTIFIED RESISTANCE WELDING TECHNICIAN SEMINAR & EXAM	\$855	\$1,140

The CRWT exam spans an array of principles, processes, metallurgy and machinery as presented in Standards AWS C1.5 and AWS QC20. This instructor-led course is an in-depth review of terminology, materials and techniques covered in these AWS resistance welding standards and has been designed to prepare those working in resistance welding operations for the CRWT exam. All students will have access to 16 online modules to get a head start on resistance welding fundamentals prior to attending the seminar.

 2 Days

CERTIFIED RADIOGRAPHIC INTERPRETER SEMINAR	\$1,675	\$1,890
CERTIFIED RADIOGRAPHIC INTERPRETER SEMINAR & EXAM	\$1,833	\$2,088

The Certified Radiographic Interpreter (CRI) Seminar is designed to ensure that individuals have the knowledge to properly assess indications produced on radiographic media of weldments or adjacent base metal. It will prepare you for the CRI Certification exam, which is given at the end of each seminar week.

 5 Days

CERTIFIED WELDING SUPERVISOR SEMINAR	\$1,313	\$1,401
CERTIFIED WELDING SUPERVISOR SEMINAR & EXAM	\$1,784	\$1,872

A good welding supervisor manages resources, improves productivity, and increases the bottom line. This course focuses on the knowledge a supervisor needs to support improvement of the welders' environment, productivity, throughput, weld quality and safety.

 5 Days

WELDER PERFORMANCE QUALIFIER ENDORSEMENT SEMINAR 2-DAY	\$620	\$705
WELDER PERFORMANCE QUALIFIER ENDORSEMENT SEMINAR 2-DAY & EXAM	\$940	\$1,025

This seminar offers an in-depth review of qualifier responsibilities, requirements for test facilities, equipment and materials, and how to prepare Procedure Qualification Records (PQRs) and other integral documents. The seminar concludes with a full-length practice exam and a detailed, instructor-led review of each question and answer in order to better prepare attendees for test day.

ON-LOCATION CUSTOM TRAINING/EXAM PREP

AWS brings instructors to your location. Build your staff's skill sets, prepare them for their certification exam and ensure that they meet AWS qualifications, while eliminating travel costs and allowing you to control schedules. Duration and rates: TBD upon consultation with AWS.

 Course Length



ONLINE COURSES

	Member	Non Member
CERTIFIED WELDING INSPECTOR PRE-SEMINAR This self-paced, interactive series of courses is designed to prepare participants for the Instructor-led CWI Seminar and Part A (Fundamentals) of the CWI Exam. The seminar includes Welding Fundamentals I, Welding Fundamentals II, Welding Fundamentals III, Nondestructive Testing, Destructive Testing, Understanding Welding Symbols, Fabrication Math II, Metallurgy II, WPS/PQR Explained, and Safety in Welding. ☑ 80 Hours 🕒 80 PDHs	\$750	\$750
WELDING SUPERVISOR SEMINAR This seminar covers the wide range of management skills, welding processes, and welding economics required to plan, staff, monitor, and safely deliver welding projects according to schedule and budget. It is comprised of seven engaging, multimedia courses, totaling 84 hours of instruction. ☑ 84 Hours 🕒 84 PDHs.	\$995	\$1,245
WELDING SALES REPRESENTATIVE SEMINAR Presented in 12 interactive and engaging modules, this online seminar is perfect for both inside and outside salespeople, distributors, supervisors, and managers who want to gain a technical understanding of welding principles, methodology, equipment, consumables, and variables. ☑ 23 Hours 🕒 23 PDHs 📖 2.3 CEUs	\$450	\$600
WELDING FUNDAMENTALS I A comprehensive overview of the basic principles of welding, including the science and practical application of the most commonly utilized welding and cutting processes. Topics include welding terminology, weld design, welding safety, electrical theory, the weldability of metals, and welding quality control. ☑ 14 Hours 🕒 14 PDHs 📖 1.4 CEUs	\$350	\$470
WELDING FUNDAMENTALS II A comprehensive overview of resistance welding, plasma arc welding, electron beam welding, and laser beam welding, cutting, and drilling. Topics include the science, equipment, consumables, process variables, safety precautions, and advantages and disadvantages inherent to each process. ☑ 7 Hours 🕒 7 PDHs 📖 0.7 CEUs	\$210	\$265
WELDING FUNDAMENTALS III A comprehensive overview of commonly utilized brazing and soldering processes. These processes include torch, furnace, dip, and induction brazing, as well as iron, torch, furnace, dip, and wave soldering. Presented in short, easy-to-understand modules, this multimedia course covers the science, equipment, consumables, process variables, safety precautions, and advantages and disadvantages inherent to each process. ☑ 5 Hours 🕒 5 PDHs 📖 0.5 CEUs	\$150	\$180
SAFETY IN WELDING* An extensive overview of welding safety in an accessible and engaging format. Topics include welding hazards, safety equipment, ventilation, welding in confined spaces, and safety precautions and specifications. ☑ 3 Hours		FREE

☑ Approximate Hours | 🕒 Professional Development Hours | 📖 Continuing Education Units
 *Access to the 3 PDHs / 0.3 CEUs and Certificate of Completion requires a \$74 / \$99 payment.

ONLINE COURSES

	Member	Non Member
FABRICATION MATH I This introduction to basic math skills provides clear, step-by-step explanations that make each concept easy to understand and remember. Topics include place value estimation, measurement, and the addition, subtraction, multiplication and division of whole numbers, fractions, decimals, and mixed numbers. ☑ 18 Hours 🎧 18 PDHs 📖 1.8 CEUs	\$385	\$510
FABRICATION MATH II Fabrication Math II builds upon the lessons learned in Fabrication Math I to explain the concepts and formulas that welders, welding supervisors, and other welding professionals require to plan and produce quality welds. Topics include percentages and ratios, order of operations, area and volume, and U.S./metric conversions. ☑ 15 Hours 🎧 15 PDHs 📖 1.5 CEUs	\$370	\$495
UNDERSTANDING WELDING SYMBOLS This in-depth course employs clear language, audio narration, and animated graphics to convey the principles of this often complex topic in short easy-to-understand modules. ☑ 10 Hours 🎧 10 PDHs 📖 1 CEUs	\$300	\$400
METALLURGY I This multimedia course employs clear, simple terms, audio narration, and animated graphics to describe the basic principles that underlie the broad field of metallurgy. Concepts covered include the anatomy of atoms, the periodic table, chemical bonding, chemical reactivity, the atomic structure of materials and the properties of metals. ☑ 6 Hours 🎧 6 PDHs 📖 0.6 CEUs	\$175	\$235
METALLURGY II Metallurgy II builds on the principles described in Metallurgy I to provide a basic understanding of the nature of metals and the properties that affect weldability. Topics include various metallurgical phenomena which, if disregarded, can lead to cracking, porosity, or welds with poor properties. ☑ 6 Hours 🎧 6 PDHs 📖 0.6 CEUs	\$175	\$235
THE SCIENCE OF NONDESTRUCTIVE TESTING The process and science behind five of the most common nondestructive tests used in the welding industry: visual testing, penetrant testing, magnetic particle testing, radiographic testing, and ultrasonic testing. This course is perfect for students and welding professionals involved in inspection, supervision, and quality control. ☑ 6 Hours 🎧 6 PDHs 📖 0.6 CEUs	\$175	\$235
DESTRUCTIVE TESTING This engaging online course describes the material properties of metals that can be evaluated with destructive testing, as well as the principles and performance of the most common destructive tests used in the welding industry. ☑ 7 Hours 🎧 7 PDHs 📖 1 CEUs	\$300	\$400

☑ Approximate Hours | 🎧 Professional Development Hours | 📖 Continuing Education Units



ONLINE COURSES

	Member	Non Member
ECONOMICS OF WELDING Participants learn to identify, measure, and manage the costs of production in order to reduce costs and ensure quality. Topics include welding process variables, comparing welding processes, calculating weld metal volume and deposition rates, and managing the costs of labor, materials, equipment, and overhead. ☑ 18 Hours 🎧 18 PDHs 📖 1.8 CEUs	\$450	\$600
WPS/PQR EXPLAINED The characteristics and use of Welding Procedure Specifications (WPS) and Procedure Qualification Records (PQR) in an engaging multimedia format. Topics include essential and nonessential variables for arc welding, oxyfuel welding, resistance welding, and brazing procedure specifications; the procedure qualification process; and common nondestructive and destructive tests. ☑ 4 Hours 🎧 4 PDHs 📖 0.4 CEUs	\$120	\$150
INSTRUCTIONAL STRATEGIES FOR WELDING EDUCATORS The course is ideal for novice or experienced welding instructors looking to develop a stronger teaching foundation, develop more effective curriculum, and incorporate pedagogical best practices in the classroom and welding lab. This series of brief, interactive modules, each with corresponding knowledge checks, case studies, and assessments, was developed in partnership with Weld-Ed and delivered by Dr. W. Richard Polanin, a lifelong welding educator and industry professional, as well as current AWS Vice President and incoming AWS President (2021). ☑ 10 Hours 🎧 10 PDHs 📖 1.0 CEUs	\$150	\$175

ONLINE CODE CLINICS

AWS Online Code Clinics offer a detailed road map through some of the most commonly used codebooks in the welding industry. Participants will learn to quickly identify, locate, and use important clauses, tables, and figures in time-sensitive testing and working environments. Each code clinic also includes an exclusive online pre-course designed to help participants develop successful test-taking strategies based on the actual structure of the code book exam.

D1.1 ONLINE CODE CLINIC This comprehensive course features easy-to-understand explanations as well as interactive questions and quizzes designed to help participants efficiently navigate the AWS D1.1 Structural Welding Code in the field or during the code book portion of the CWI exam. ☑ 4 Hours 🎧 4 PDHs 📖 0.4 CEUs	\$250	\$300
API 1104 ONLINE CODE CLINIC This self-paced course is designed to help participants working in the field or preparing for an AWS code book exam to quickly identify, locate, and use important clauses, tables, and figures in API 1104 Welding of Pipelines and Related Facilities. ☑ 3 Hours 🎧 3 PDHs 📖 0.4 CEUs	\$250	\$300
D17.1 ONLINE CODE CLINIC This detailed road map of the D17.1 code employs easy-to-understand language, audio narration, and guided questions. Participants will learn to quickly locate important clauses, charts, and tables in time sensitive testing or working environments. ☑ 4 Hours 🎧 4 PDHs 📖 0.4 CEUs	\$120	\$150

Visit aws.org/ourcourses to schedule an online demonstration or to learn more about our programs.

☑ Approximate Hours | 🎧 Professional Development Hours | 📖 Continuing Education Units

INDUSTRY PARTNER COURSES

Industrial Metallurgists, LLC

This series of courses is ideal for design, manufacturing, and quality engineers who need to better understand metallurgical concepts in order to help clients improve productivity and profitability. Courses include Principles of Metallurgy, Aluminum Metallurgy, Steel Metallurgy, and Tensile Testing.

ALUMINUM METALLURGY

\$85

There are a wide variety of wrought aluminum alloys. Each alloy was developed to provide specific properties. This course teaches the following aspects of aluminum metallurgy:

- ♦ The different families of wrought aluminum alloys
- ♦ The distinguishing features between the families
- ♦ The metallurgical factors that influence their mechanical properties
- ♦ How the mechanical properties are modified using alloy composition, cold-working, and heat treatment
- ♦ The temper designation systems for cold-worked and heat treated alloys

☑ 1 Hour

PRINCIPLES OF METALLURGY

\$225

This course teaches 3 key principles about metallurgy:

1. The microscopic structures present in metals.
2. How microstructure and alloy composition influence metal strength.
3. How composition, cold-working, and heat treating are used to modify metal microstructure to obtain desired mechanical properties.

Having a good understanding of how metals behave and what can be done to modify a metal's properties is critical for being more productive and profitable. This knowledge enables people to make better design and manufacturing decisions, solve quality problems, and have productive conversations with suppliers, customers, and engineers.

☑ 5 Hours

HARDNESS TESTING

\$39

This course teaches about Rockwell and Brinell hardness testing and Vickers and Knoop microhardness testing. You will learn how tests are performed, test sample and testing requirements, and test parameter selection.

☑ 1/2 Hour

STEEL METALLURGY

\$180

Understanding steel metallurgy involves understanding the effects of alloy composition and steel heat treating processes on the microstructure and properties of steel is critical for:

- ♦ Selecting the most appropriate alloy and heat treating process for your application
- ♦ Evaluating suppliers
- ♦ Developing manufacturing processes
- ♦ Solving quality problems

☑ 3 Hours

STEEL CASE HARDENING

\$70

If your products use case hardened steel components, understanding the effects of alloy composition and heat treating process conditions on the microstructure and properties of the steel is critical for:

- ♦ Selecting the most appropriate alloy and heat treating process for your application.
- ♦ Evaluating suppliers
- ♦ Developing manufacturing processes
- ♦ Solving quality problems

☑ 1 Hour

☑ Approximate Hours



INDUSTRY PARTNER COURSES

STEEL THROUGH HARDENING

\$70

If your products use through hardened steel components, understanding the effects of alloy composition and heat treating process conditions on the microstructure and properties of the steel is critical for:

- ♦ Selecting the most appropriate alloy and heat treating process for your application.
- ♦ Evaluating suppliers
- ♦ Developing manufacturing processes
- ♦ Solving quality problems

☑ 1 Hour

TENSILE TESTING

\$39

This course teaches about tensile testing of metals. You'll learn how tests are performed, test sample and testing requirements, and how tensile properties are determined from the test data.

☑ 1/2 Hour

Non Destructive Testing Classroom

Learn from the experts including industry legends Chuck Hollier and Jim Treat. The NDT classroom offers the most comprehensive online training programs available today.

INTRODUCTION TO NDT

\$525

This course is ideal for those who would like a thorough overview of the major methods. Emphasis is placed on benefits, limitations, and applications with quizzes after each module and a final course examination.

Methods covered include Visual Testing (VT), Penetrant Testing (PT), Magnetic Particle Testing (MT), Radiographic Testing, (RT), Ultrasonic Testing (UT) and Eddy Current Testing (ET).

☑ 5 Hours

EDDY CURRENT I

\$1,045

The Eddy Current Level I course covers the basic principles and fundamentals of Eddy Current Testing. It covers the theory and techniques essential for those seeking certification as ET Level I. The course includes equipment calibration and use, selection of probes/coils, and focuses heavily on general surface techniques for a variety of industrial and aerospace applications. It also covers metal sorting procedures and a variety of other uses.

☑ 20 Hours

EDDY CURRENT II

\$1,045

The Level II course provides additional reinforcement and expansion on the basic principles and fundamentals of eddy current testing that were covered in the Level I course. It covers the variables such as test frequency/and unique techniques for advanced applications and emphasizes the evaluation and interpretation of eddy current test results and includes reporting.

☑ 20 Hours

☑ Approximate Hours

INDUSTRY PARTNER COURSES

VISUAL TESTING I & II

\$725

Because Visual Testing is the oldest and most widely used nondestructive test method, this online course is ideal for individuals beginning their career in inspection or nondestructive testing. This course combines Level I and II subjects and is highly recommended as a prerequisite for those planning to specialize in other NDT methods, or for personnel who are planning to become certified in visual testing. It covers fundamentals, equipment, techniques, procedures and evaluation criteria for a variety of applications including welds.

☑ 12 Hours

PENETRANT TESTING I & II

\$835

Penetrant Testing is a widely used NDT method for the detection of very small discontinuities that are open to the surface in most metals and other solid nonporous materials. It is capable of detecting flaws well below the threshold of visual testing. PT materials, equipment, variables, techniques, and evaluation of test results are presented and demonstrated along with a description of widely used applications.

☑ 14.5 Hours

MAGNETIC PARTICLE TESTING I & II

\$835

This course combines the Level I and II subjects, and includes the principles of magnetism, test techniques and procedures as applied to the detection of flaws in ferromagnetic materials. Other subjects covered include variables, direct and indirect magnetization, equipment and accessories, precautions, and demagnetization. It is a quick and effective test for the detection and evaluation of discontinuities at or very close to the surface of the object being examined.

☑ 11 Hours

RADIOGRAPHY TESTING I

\$725

This course provides the student with the theory and principles of radiation and how they relate to the basics of radiographic testing. It is the first step for those who will be seeking a career as a radiographer. It covers the basic steps in producing an acceptable radiograph including the control of variables such as energy, exposure times, selection of film or imaging devices, and processing. This course emphasizes the essentials of radiation safety. It is also appropriate for other personnel who require a basic understanding of the basics of radiographic testing.

☑ 22 Hours

RADIOGRAPHY TESTING II

\$945

Radiography Testing Level II is a continuation of the Level I course and expands on the variables and how to control them in order to produce a high-quality image. It includes the use of both x-ray and gamma-ray sources and conventional radiographic techniques using film. It also describes the benefits of computed and digital (CR/DR) techniques. Emphasis is placed on the evaluation and interpretation of radiographic images and the need for complete and concise reporting. It is an essential course that covers the advanced theory and principles necessary for those seeking to become Level II radiography technicians.

☑ 22 Hours

RADIATION SAFETY COURSE

\$1,045

The Radiation Safety course provides an understanding of the basic principles and fundamentals of radiation safety applicable to industrial radiography. It addresses the 40-hour training prerequisite and the required training topics for radiographic personnel as required by federal (10 CFR 34.43) and equivalent state radiation control regulations. Upon completion, the individual's RSO should provide the remaining 12 hours of site-specific training if certification is to be achieved. Learning outcomes are assessed using written quizzes at the end of each lesson and through a comprehensive final exam.

☑ 28 Hours

☑ Approximate Hours



INDUSTRY PARTNER COURSES

ULTRASONIC TESTING I

\$835

This course includes a basic introduction to the theory and principles of ultrasonic testing including frequency, velocity, and wavelength as well as wave modes. This course is essential for those desiring to enter and specialize in ultrasonic testing. It also covers materials considerations, calibration, equipment, selection of proper transducers, techniques, test procedures and applications. It is also beneficial for those who will not be practitioners but who want to understand the basic principles and applications of ultrasonic testing.

☑ 26 Hours

ULTRASONIC TESTING II

\$945

Ultrasonic Testing II is an extension of the Level I course and expands on the theory and principles to a much greater depth. A wider range of applications and applicable techniques are covered. Emphasis is placed on the evaluation of discontinuities and test requirements. The inspection of various types of welds are covered in detail. This is an essential course for those practitioners who will be pursuing a career in ultrasonic testing and for those striving for certification as a Level II. The course is also beneficial for those preparing to take Level III examinations.

☑ 26 Hours

ULTRASONIC THICKNESS TESTING

\$725

This course describes the basic principles of ultrasonic testing as they apply to thickness testing of materials and components and is ideal for those individuals who will be taking thickness measurements and/or are pursuing Limited Level II ultrasonic testing thickness certification. It covers the compressional wave technique, thickness testing equipment operation, transducers, and variables. Recording options are also discussed in the course.

☑ 14 Hours

Visit aws.org/ourcourses to schedule an online demonstration or to learn more about our programs.

FUNDAMENTALS OF WELDING CURRICULUM

Instructors are busy. That's why we've done some of the work for you. With over 100 lesson plans and a robust suite of digital and print resources, you can focus on what matters most: your students.

The AWS Fundamentals of Welding Curriculum is a newly-created collection of educational resources and learning tools designed by leading industry education professionals to help you effectively deliver quality instruction.

FUNDAMENTALS OF WELDING CURRICULUM

\$3,250

Print Materials

- ◆ 25 Fundamentals of Welding Textbooks
- ◆ 25 Fundamentals of Welding Lab Manuals
 - Featuring 100+ guided laboratory activities
- ◆ Classroom posters
 - 8 informational
 - 4 decorative

Instructor Resources

- ◆ 100+ detailed lesson plans
- ◆ 12 extensive PowerPoint slide decks
- ◆ Handouts, student assessments, and checklists
- ◆ Standards and supplemental documents including:
 - SWPSs

Digital Material

- ◆ 74 online modules
- ◆ 18 instructional videos

Learn more at aws.org/curriculum

☑ Approximate Hours

SENSE PROGRAM

AWS SENSE FOR EDUCATIONAL ORGANIZATIONS

The AWS Schools Excelling through National Skill Standards Education (SENSE) program began in 1993 with the award of a grant by the U.S. Department of Education to develop a series of voluntary standards to promote consistency and quality in welding education on a national basis. Currently, there are two levels of SENSE: Level I—Entry Welder and Level II—Advanced Welder. Both levels are designed to facilitate the implementation of a modular welder training program based on best practices. The program is governed by a set of standards: QC10, EG2.0, and EG2.0 Supplement for Level I—Entry Welder and QC11, EG3.0, and EG3.0 Supplement for Level II.

One-time registration fee for Level I	\$500
One-time registration fee for Levels I and II combined	\$600
One-time upgrade registration fee from Level I to Level II	\$100

AWS SENSE FOR STUDENTS

A student who graduates from a program which meets the SENSE requirements is eligible for a SENSE completion certificate from AWS. An AWS SENSE Entry Welder is an individual who has achieved full or partial completion status by successfully completing compulsory and optional modules in accordance with the requirements of SENSE Level I—Entry Welder. An AWS SENSE Advanced Welder is an individual who has achieved full or partial completion status by successfully completing compulsory and optional modules in accordance with the requirements of SENSE Level I—Entry Welder and AWS SENSE Level II—Advanced Welder. AWS SENSE Entry Welder and Advanced Welder should not be confused with AWS Certified Welder.

Administrative Fee (per student, per level)	\$20
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ONLINE EDUCATIONAL LIBRARY

The Online Educational Library is designed to meet the needs of today's welding students and instructors. Developed by AWS subject matter experts and learning professionals, our online courses feature engaging multimedia content that stimulates learning and long-term retention.

Brief modules, learner-centered navigation, and 24/7 access allow time-strapped students to learn at their own pace from any laptop, phone, or tablet. Equally busy instructors can use the Learning Management System to assign tasks and track student progress.

A COMPLETE SOLUTION DESIGNED FOR WELDING EDUCATORS



24/7 Access to your courses and records from any device with an internet connection.



Practice Quizzes allow students to measure content retention and comprehension.



Learning Management System allows instructors to view tests and quizzes, and track student progress.



Short Modules allow students to digest information in manageable chunks, and allow instructors more flexibility in the assignment of material.



Interactive Elements at key junctures through out each module provide students with ample opportunity to master concepts and formulas.



Audio Narration as well as animated graphics, and video footage make even the most complex topics both engaging and easy to understand.



Learning Objectives and quizzes allow students to orient themselves and assess their readiness to tackle new material.



Navigation Features allow students to skip or review course content as needed, giving the student complete control over their learning experience.

ONLINE EDUCATIONAL LIBRARY

The Online Educational Library complements existing welding education programs and provides over 110 hours of welding instruction throughout 13 comprehensive courses, including:

- ◆ Destructive Testing
 - ◆ Metallurgy II
 - ◆ Welding Safety
 - ◆ Economics of Welding
 - ◆ Nondestructive Testing
 - ◆ Welding Symbols
 - ◆ Fabrication Math I
 - ◆ Welding Fundamentals I
 - ◆ WPS/PQR Explained
 - ◆ Fabrication Math II
 - ◆ Welding Fundamentals II
 - ◆ Metallurgy I
 - ◆ Welding Fundamentals III
-

12-MONTH SUBSCRIPTIONS

The Online Educational Library is affordably priced on a sliding scale based on institution type. Annual subscriptions include any new courses that are added to enhance the Library.

HIGH SCHOOL All courses Unlimited users	\$2,000
COMMUNITY COLLEGE/TECH SCHOOL* All courses Unlimited users Single campus location	\$5,000
COLLEGE** All courses Unlimited users Single campus location	\$7,000
UNIVERSITY*** All courses Unlimited users Single campus location	\$9,000

OPEN-ENROLLMENT PRICING

COMMUNITY COLLEGE/TECH SCHOOL*	\$150/STUDENT
MINIMUM SPENDING COMMITMENT All courses Unlimited users Single campus location	\$3,000

* Associates is highest degree offered

** Bachelors is highest degree offered

*** Masters and/or Doctorate are highest degree offered



PROFESSIONAL AND CAREER DEVELOPMENT RESOURCES

CONFERENCE PROGRAMS

2020

QUALIFICATION OF WELDING PROCEDURES

October 7-8 | Virtual Event

ALUMINUM VIRTUAL CONFERENCE

October 20-21 | Virtual Event

2021

INTERNATION BRAZING AND SOLDERING

April 25-28 | Denver, CO

ADVANCES IN WELDING AND ADDITIVE MANUFACTURING RESEARCH

August 8-13 | Miami, FL

Learn more at awo.aws.org/conferences/upcoming-conferences/.



Documents

Document Sharing Hub



Make Your AWS Membership Work this Year

AWS member benefits are designed to support the growth of both the industry and the people who work in it. This year, make AWS work as hard as you do to advance your career, connect to our deep technical knowledge base and save on AWS products and services.



American Welding Society®

MAKE THE MOST OF YOUR DOWNTIME WITH YOUR **AWS** MEMBERSHIP

AWS member benefits are designed to support the growth of the industry and the people who work in it. This year, make your AWS membership work as hard as you do to advance your career, connect to our deep technical knowledge base and save on AWS products and services.

ADVANCE

- ◆ 10 Certifications ◆ Self-Paced Online Learning ◆ Online and In-Person Classroom Instruction
- ◆ Customized Instructor-Led On-Site Seminars

CONNECT

- ◆ Active Members-Only Online Community ◆ Industry Conferences and Events
- ◆ Technical Committees ◆ Section, District and Regional Networking Meetings

SAVE

- ◆ Discounts on: AWS Education and Training ◆ Standards and Publications ◆ Conferences ◆ Partner Products and Services

2-WEEK CWI SEMINAR IS LIVE ONLINE

The 2-Week Online CWI Seminar is 10 interactive, four-hour sessions hosted live by an AWS instructor. New sessions start regularly. For more information, visit <https://awo.aws.org/online-courses/>

800.443.WELD (9353), Option 4

MEMBERSHIP PROGRAMS

INDIVIDUAL MEMBERSHIP

Strengthen your professional career with member-only knowledge and tools, including leading welding industry publications and news; access to certification resources, educational programs and networking opportunities; and more.

Annual Fee
\$88

WELDER MEMBERSHIP

Take advantage of specialized membership benefits geared towards welders. Gain access to courses, seminars, certifications and other resources; discounts on tools and equipment; and more from the industry's leading welding organization.

\$88

CORPORATE MEMBERSHIP

Strengthen your business impact and employees' expertise by joining the world's leading welding organization. There are five different types of corporate programs: Sustaining Company, Supporting Company, Affiliate Company, Educational Institution, and Welding Distributor.

SUSTAINING COMPANY

Designed for those who seek top industry impact. You get a choice between two primary benefits valued at up to \$12,000; 10 individual memberships; powerful marketing exposure; plus dozens more resources and benefits.

Domestic
\$880

International
\$980

SUPPORTING COMPANY

Designed to help your mid-size company boost productivity, solve production problems; improve competitiveness and offer valuable benefits to your employees.

Annual Fee
\$440

AFFILIATE COMPANY

Designed specifically for your independent shop. AWS keeps your team informed on industry changes and developments; recommends ways to increase productivity and solve problems; and helps you stand out from the competition.

\$200

EDUCATIONAL INSTITUTION

Designed for educational leaders who strive to maintain a reputation for teaching excellence. Your membership supports and rewards hard-working educators, staffs and students with valuable benefits and savings.

\$264

WELDING DISTRIBUTOR

Designed to provide you with valuable industry exposure and connections to increase your sales and market share.

\$545

STUDENT MEMBERSHIP

Build a stronger welding career with top knowledge, advice and industry contacts – plus dozens of money-saving programs and benefits. Your membership shows employers and fellow professionals you're serious about your future. Don't miss our deeply-discounted rate just for students.

\$15