

# EDUCATION AND CERTIFICATION CATALOG



AMPP is an IACET accredited provider, see page 102 in this catalog for more information.

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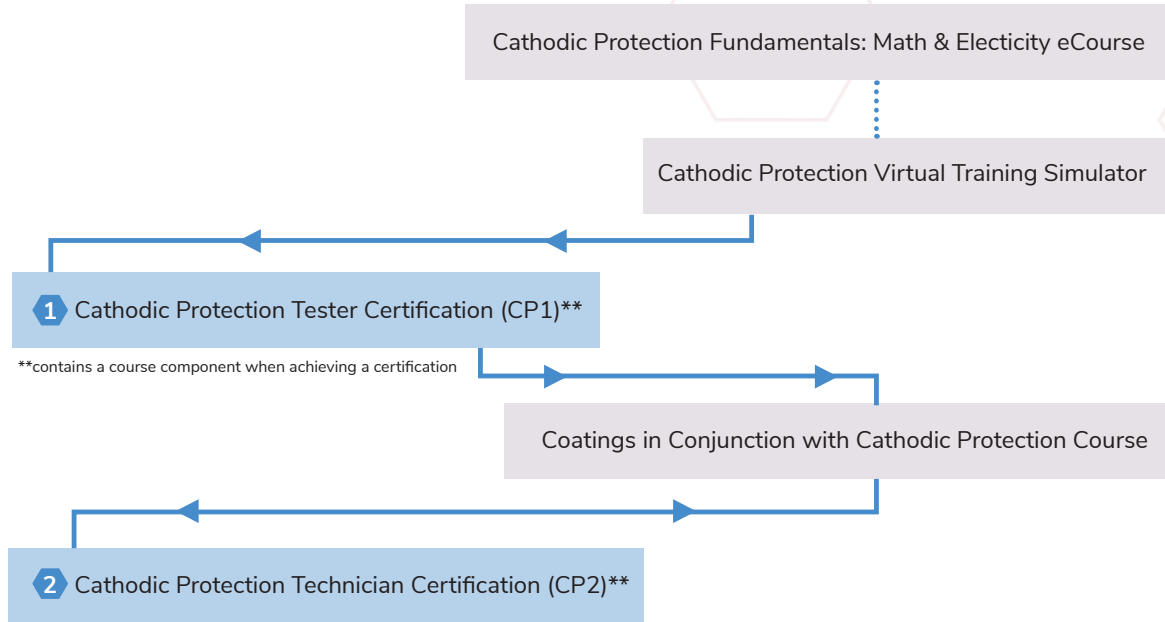
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# Build a Promising Career in Cathodic Protection.

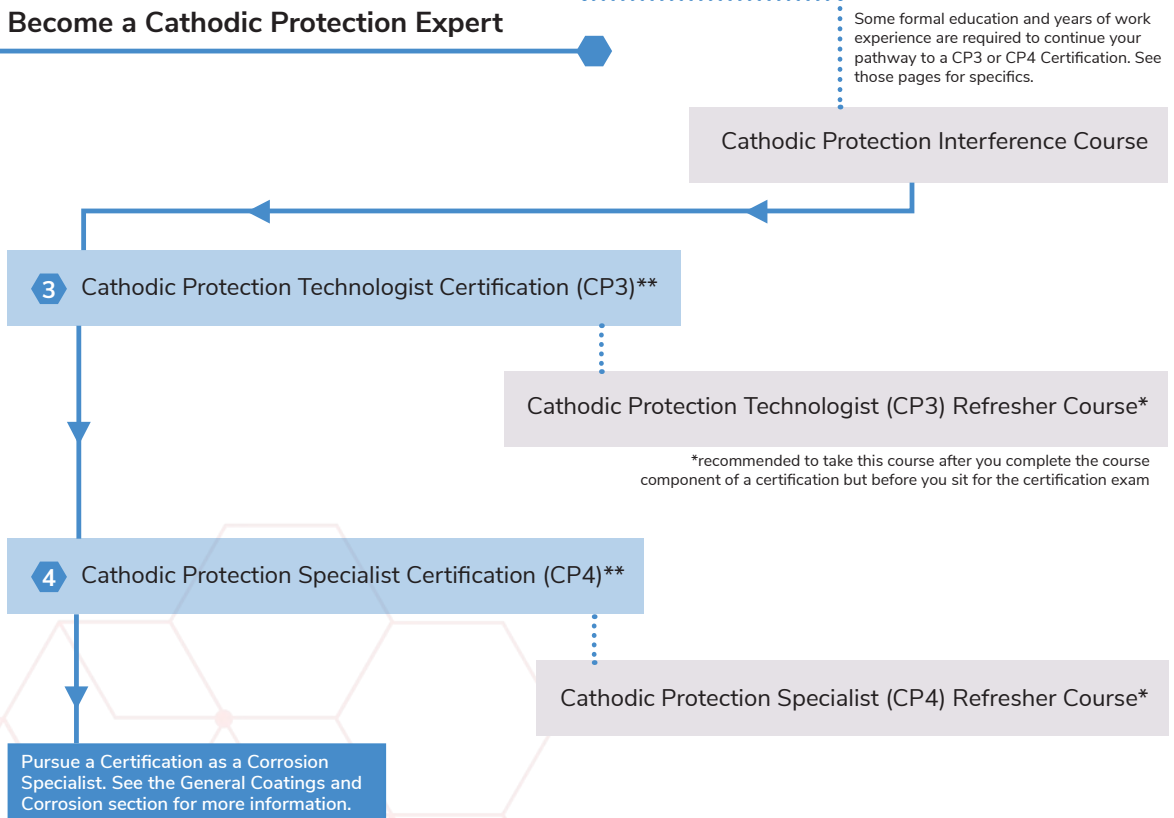
Our courses and certifications for CP don't always require a specific order, but it is typically recommended to achieve the prior credential before attempting the next CP credential. We have pulled together the below to help you navigate our offerings successfully.

## Find your Career as a Cathodic Protection Technician



\*\*contains a course component when achieving a certification

## Become a Cathodic Protection Expert



Some formal education and years of work experience are required to continue your pathway to a CP3 or CP4 Certification. See those pages for specifics.

\*recommended to take this course after you complete the course component of a certification but before you sit for the certification exam

Please note: This is a suggested career pathway for those interested in a cathodic protection career. This does not showcase exact prerequisites for courses or certifications nor does a student have to follow this exact pathway. Please see each page for specific details.

## Cathodic Protection Tester (CP1) Certification

The Cathodic Protection Tester certification is designed for individuals responsible for observing, recording, or measuring the effectiveness of cathodic protection (CP) systems. It also addresses field personnel functions and is an entry into the cathodic protection profession. To achieve certification, it is strongly recommended candidates have 6 months of work experience and should have entry-level knowledge of galvanic and impressed current systems CP systems.

**5 Day Course Component / 4.5 Continuing Education Units (CEUs)**  
**English, Spanish, and Chinese**  
**In-Person Offerings Worldwide**  
**Certification Application Required**  
**3 Year Renewal Term**



### Who Should Pursue & Attend:

This program benefits anyone responsible for supervising CP systems, measuring the effectiveness of CP systems, and/or recording this data, including:

- CP field personnel
- Technicians



### Learning Objectives:

- Recall the basics of electricity, electrical laws, electrochemistry, corrosion, and CP theory.
- Define how polarity is related to current flow and metal corrosion activity.
- Conduct tests to identify shorts and continuity tests in CP systems.
- Use test instruments to perform a variety of field tests such as structure-to-soil potentials, voltage and current measurements, soil resistivity, pipe/cable locating, and rectifier readings.



### How To Achieve Certification:

- 1 Successful completion of the CP1 Course component of certification including the practical exam administered the last day of instruction and completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 2 Schedule and take the written certification exam.





## Cathodic Protection Technician (CP2) Certification

The Cathodic Protection Technician certification indicates intermediate-level knowledge of corrosion theory and CP concepts, types of CP systems, and advanced field measurement techniques. This certification is designed for individuals with a heavy engineering/scientific background and some working knowledge of cathodic protection, or who have extensive years of field experience with some technical background.

**5 Day Course Component / 4.5 Continuing Education Units (CEUs)**

**English, Spanish, and Chinese**

**In-Person Offerings Worldwide**

**Certification Application Required**

**3 Year Renewal Term**



### Who Should Pursue & Attend:

This program is intended for personnel involved in testing the effectiveness of CP systems, troubleshooting and/or recording this data, including:

- CP field personnel
- CP Testers or
- Personnel supervising CP Testers



### Learning Objectives:

- Test and troubleshoot rectifier component parts.
- Perform simulated CP related field tests (including interrupted structure-to-electrolyte potentials, current requirement, continuity, shorted road/railroad casing and, layer soil resistivity tests) and evaluate the results.
- Perform tests to verify the presence of stray current interference (primarily related to underground pipelines) and recommend method(s) to mitigate the interference.
- Conduct and interpret different current measurements.



### How To Achieve Certification:

- 1 Fulfill work experience and education requirements.
- 2 Successful completion of the CP2 Course component of certification including the practical exam administered the last day of instruction and completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 3 Schedule and take the written certification exam.
- 4 Complete certification application.



## Cathodic Protection Technologist (CP3) Certification

The Cathodic Protection Technologist certification indicates knowledge of theoretical concepts and practical application of cathodic protection with a strong focus on interpretation of cathodic protection data, and cathodic protection troubleshooting. This certification is designed for individuals with a heavy engineering/scientific background and extensive working knowledge of cathodic protection, or who have extensive years of field experience with some technical background.

**5 Day Course Component / 4.5 Continuing Education Units (CEUs)**

**English and Spanish**

**In-Person and Online Offerings**

**Certification Application Required**

**3 Year Renewal Term**



### Who Should Pursue & Attend:

This program is intended for persons with extensive field experience and a strong CP technical knowledge who need an understanding of CP design procedures based on an improved knowledge of CP concepts.



### Learning Objectives:

- Define activation, concentration, and resistance polarization, and the mathematical expressions of these concepts.
- Recall the factors that affect polarization (area, temperature, relative movement, ion concentration, oxygen concentration).
- Identify errors in data collection/CP measurements including contact resistance errors, voltage drop errors, and reference electrode errors where the technologist is employed.
- Determine ideal current distribution for a CP system based on different the affecting factors.
- Apply advanced cathodic protection testing using correct measurement techniques to monitor CP system performance, accurately interpret the data collected to ensure optimum CP system performance.
- Determine corrective action to the CP system if necessary.



### How To Achieve Certification:

- 1 Fulfill work experience and education requirements.
- 2 Successful completion of the CP3 Course component of certification and completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 3 Schedule and take the written certification exams.
- 4 Complete certification application.





## Cathodic Protection Specialist (CP4) Certification

The Cathodic Protection Specialist certification covers the theoretical concepts behind the design and considerations that influence the design and calculations (including attenuation) of a cathodic protection system. It is for individuals who are responsible for the design, installation, and maintenance of cathodic protection systems.

**5 Day Course Component / 4.5 Continuing Education Units (CEUs)**  
**English and Spanish**  
**In-Person and Online Offerings**  
**Certification Application Required**  
**3 Year Renewal Term**



### Who Should Pursue & Attend:

This program is intended for persons with extensive CP work experience and technical knowledge. Those who achieve this certification are leaders in the field of CP concepts, design, and systems.



### Learning Objectives:

- Design complete CP systems in a variety of industry applications including water tanks, aboveground and underground storage tanks, and pipelines.
- Demonstrate knowledge of rectifier and ground bed installation, along with source code calculations and protective coatings.
- Perform corrosion analysis on the job site.
- Manage and direct field tests.



### How to Achieve Certification:

- 1 Fulfill work experience and education requirements.
- 2 Successful completion of the CP4 Course component of certification and completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 3 Schedule and take the written certification exams.
- 4 Complete certification application.







## Cathodic Protection Fundamentals: Math & Electricity eCourse

Walk into the cathodic protection classroom or field with a strong math, electricity, and chemistry foundation gained from this course. This course provides a thorough review of basic math, chemistry, and electrical fundamentals through step-by-step examples, self-study practice problems, and downloadable job-aids.

This 5-hour short course includes audio narration with transcripts and on-demand viewing and bookmarking capabilities that enable you to complete the course as your schedule allows.

**5 Hours / 4 Professional Development Hours (PDHs)**

**English**

**Online only eCourse**



### Who Should Attend:

Anyone in the cathodic protection industry who needs to understand the calculations and electrical functions involved when working in cathodic protection. This course also serves as a solid prep for CP1 or a great review before CP2.



### Prerequisites:

No prior training or experience is required, however the ability to perform math calculations using a scientific calculator (algebra, fractions, exponents, and conversions) is recommended.



### Learning Objectives:

#### Math Principles

- Add and subtract fractions
- Calculate exponents
- Convert fractions to decimals and decimals to fractions

#### Basic Electricity & Electrical Fundamentals

- Define electricity
- Define current, resistance, voltage, and power
- Understand the relationship amongst current, resistance, voltage, and power



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.





## Cathodic Protection Technologist (CP3) Refresher Course

Refresh your CP knowledge before your certification exam with our virtual CP3 Refresher Course. This one-day course highlights the material in the CP3 Technologist five-day class. The one-day virtual course is designed for those who would like a review of the CP3 course with a live AMPP-certified instructor to refresh their skills.

**1 Day Course / 7.5 Professional Development Hours (PDHs)**

**English and Spanish**

**Online only virtual instructor course**



### Who Should Attend:

Students who have previously taken the in-person or virtual CP3 Technologist class and would like to review the course material.



### Prerequisites:

Previous completion of the CP3 Technologist course component of a CP3 Technologist Certification.



### Learning Objectives:

- Define activation, concentration, and resistance polarization, and the mathematical expressions of these concepts.
- Recall the factors that affect polarization (area, temperature, relative movement, ion concentration, oxygen concentration)
- Identify errors in data collection/CP measurements including contact resistance errors, voltage drop errors, and reference electrode errors where the technologist is employed.
- Determine ideal current distribution for a CP system taking into account the factors affecting current distribution.



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.



## Cathodic Protection Specialist (CP4) Refresher Course

Refresh your CP knowledge before your certification exam with our virtual CP4 Refresher Course. This one-day course highlights the material in the CP4 Specialist five-day class. The one-day virtual course is designed for those who would like a review of the CP4 course with a live AMPP-certified instructor to refresh their skills.

**1 Day Course / 7.5 Professional Development Hours (PDHs)**

**English and Spanish**

**Online only virtual instructor course**



### Who Should Attend:

Students who have previously taken the in-person or virtual CP4 Specialist class and would like to review the course material.



### Prerequisites:

Previous completion of the CP4 Specialist course component of a CP4 Specialist Certification.



### Learning Objectives:

- Design complete CP systems in a variety of industry applications including water tanks, aboveground and underground storage tanks, and pipelines.
- Demonstrate knowledge of rectifier and ground bed installation, along with source code calculations and protective coatings.
- Perform corrosion analysis on the job site.
- Manage and direct field tests.



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.





## Cathodic Protection Virtual Training Simulator

This 12-station virtual training simulator allows students to refresh their CP skills, keep up with current practical techniques, and prepare for their CP classes and exams by working through step-by-step, real life testing scenarios.

One year subscription / Professional Development Hours (PDHs) will vary

English

Online only eCourse



### Who Should Attend:

Anyone looking for a computer simulation to practice their cathodic protection field (practical) skills.

- CP field personnel
- Technicians



### Prerequisites:

No prior training or experience is required.



### Learning Objectives:

- Station 1: Measuring Structure-to-Electrolyte Potential Identify each of the test wires (structures) by obtaining structure-to-electrolyte potential measurements using a multi-meter and reference electrode.
- Station 2: Casing and Carrier Pipe-to-Electrolyte Potential Identify each of the test wires (structures) by obtaining structure-to-electrolyte potential measurements using a multi-meter and reference electrode.
- Station 3: Soil Resistivity Measurements Use the equipment provided, obtain soil resistivity measurements using the Wenner 4-pin method, the Soil Box method, and the Collins Rod.



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.



## Coatings in Conjunction with Cathodic Protection (CCCP) Course

The Coatings in Conjunction with Cathodic Protection (CCCP) course focuses on the control of metallic corrosion by protective coatings and cathodic protection, with coatings as the primary method of control supplemented by cathodic protection. The course will cover the selection, specification, application, testing, and inspection of coatings when used with CP. CCCP provides students with the skills and knowledge to implement and monitor a corrosion control program that utilizes both methods.

Classroom instruction is comprised of lectures and open discussions.

**6 Day Course / 3.75 Continuing Education Units (CEUs)**

**English**

**In-Person Courses Offered Worldwide**



### Who Should Attend:

Personnel who design, test, inspect, apply, and monitor various structures that are both coated and cathodically protected including:

- Managers
- Engineers
- Field personnel
- Technicians



### Learning Objectives:

- Recall basic corrosion theory and CP fundamentals.
- Identify types of structures protected by coatings and CP.
- Describe the synergistic relationship of coatings used in conjunction with CP.
- Determine the advantages and disadvantages of coating types used with CP.
- Perform selection criteria, application, inspection, and testing of various coatings.



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.



### Prerequisites:

No prior training or experience is required.



## Cathodic Protection Interference Course

The Cathodic Protection Interference course focuses on AC, DC, and telluric interference. The course provides in-depth coverage of both concepts and practical application of identifying interference and interference mitigation techniques. Students will learn to identify the causes and effects of interference, conduct tests to determine if an interference condition exists, perform calculations required to predict AC interference.

Classroom instruction is comprised of lecture and discussion, in-class experiments, case studies, and group exercises.

**6 Day Course / 4.8 Continuing Education Units (CEUs)**

**English**

**In-Person Offerings Worldwide**



### Who Should Attend:

Individuals with extensive CP field experience, graduate level mathematics, and a strong technical background in cathodic protection.



### Learning Objectives:

- Describe the effects of stray current, AC voltage, and telluric currents on metallic structures.
- Recognize coating types and curing mechanisms.
- Detect stray current, AC interference, and telluric current.
- Recognize deleterious effects of AC and DC interference.
- Mitigate and monitor AC and DC interference.
- Predict AC interference.



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.



### Prerequisites:

No prior training or experience is required.





# PREPARING FOR YOUR CERTIFICATION EXAM?

A Practice Exam is a Great Way to Make Sure  
You're Ready.

We are now offering practice  
exams for our most popular  
certifications!

Take a test run for your certification with one of these new  
practice exams:

- Coating Inspector Program – Level 1
- Coating Inspector Program – Level 2
- CP1 – Cathodic Protection Tester
- CP2 – Cathodic Protection Technician

Along with Exam Preparation Guides, these practice exams  
will help you attain certification.

Get started:

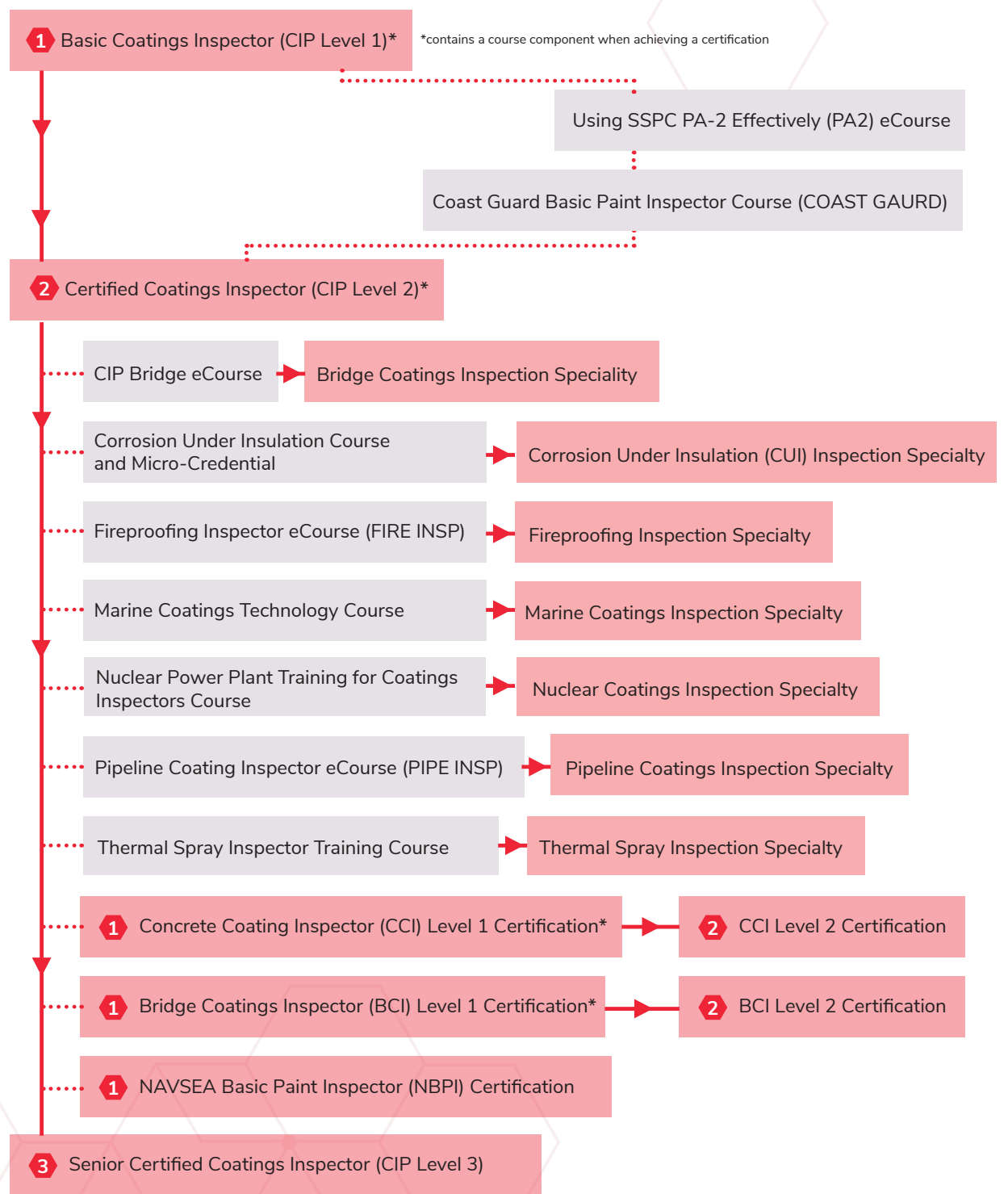


Learn more about AMPP. [www.ampp.org](http://www.ampp.org)

# Enjoy a Rewarding Career in Coatings Inspection.

Our Coating Inspector Program is a pathway to a successful career in Coatings Inspection and is recognized all over the world. Each level builds upon the previous level, and we offer a number of specializations to add to your certification based on the industry you work in.

## Start your career as a coatings inspector



Please note: This is a suggested career pathway for those interested in a coatings inspection career. This does not showcase exact prerequisites for courses or certifications nor does a student have to follow this exact pathway. Please see each page for specific details.



## Basic Coatings Inspector Certification (CIP Level 1)

Completing the Coating Inspector Program (CIP) Level 1 Course is the first step to earning the Basic Coatings Inspector Certification. The CIP Level 1 Course provides entry level knowledge of coating materials, techniques for surface preparation and application, and inspection testing and documentation. After successfully obtaining your Basic Coatings Inspector certification you will be able to perform basic coating inspections on steel substrates using nondestructive testing and instrumentation.

**5 or 6 Day Course Component / 3.9 or 5.2 Continuing Education Units (CEUs)**  
**English, Spanish, Japanese, Chinese, Portuguese, Korean, Turkish, and Vietnamese**  
**In-Person Offerings Worldwide**  
**Certification Application Required**  
**3 Year Renewal Term**



### Who Should Pursue & Attend:

Although specifically designed for coating inspector trainees, this program benefits anyone interested in gaining a better understanding of coatings and inspection including:

- Project managers, supervisors/foreman and engineers
- Maintenance and quality assurance/control (QA/QC) personnel
- Contractors and specification writers
- Coating manufacturers and technical sales representatives
- Fabricators and welders
- Paint applicators and blasters



### Learning Objectives:

- Recognize how corrosion forms and the role protective coatings play in preventing corrosion.
- Describe the role of the inspector as it applies to responsibilities, authority, safety, ethics, communication, and decision-making.
- Differentiate surface preparation equipment, methods, and standards for solvent cleaning, hand/power tool cleaning, wet/dry abrasive blasting, and water jetting.
- Identify quality control issues, recognizing design and fabrication defects and coating failure modes.



### How To Achieve Certification:

- 1 Successful completion of the CIP Level 1 Course component of certification including the practical exam administered the last day of instruction and completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 2 Schedule and take the written certification exam.



## Certified Coatings Inspector Certification (CIP Level 2)

Completing the Coating Inspector Program (CIP) Level 2 Course is the first step to earning the Certified Coatings Inspector Certification. The CIP Level 2 Course provides instruction on documenting and performing non-destructive and destructive inspections, as well as inspection of different surfaces and non-liquid coatings.

**5 Day Course Component / 5.0 Continuing Education Units (CEUs)**  
**English, Spanish, Japanese, Chinese, Turkish and Korean**  
**In-Person Offerings Worldwide**  
**Certification Application Required**  
**3 Year Renewal Term**



### Who Should Pursue & Attend:

Basic Coatings Inspectors seeking Certified Coatings Inspector knowledge or certification and will be responsible for performing and documenting non-destructive/destructive inspections of liquid and non-liquid coatings to any substrate in a shop or field setting, under the supervision of a Senior Certified Coatings Inspector.



### Learning Objectives:

- Explain advanced corrosion theory as it applies to the role of cathodic protection when used with coatings.
- Identify types of environmental controls and inspection concerns associated with the use of digital electronic hygrometers, data loggers, and wind speed monitors.
- Identify standards, methods of use, and inspection concerns for centrifugal blast cleaning and water-jetting equipment.
- Recognize the importance of surface preparation, application, and inspection of liquid-applied and thick barrier linings.



### How To Achieve Certification:

- 1 Fulfill work experience and an active Basic Coatings Inspector Certification (CIP Level 1).
- 2 Successful completion of the CIP Level 2 Course component of certification including the practical exam administered the last day of instruction and completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 3 Schedule and take the written certification exam.
- 4 Complete certification application.

Note: A Basic Coatings Inspector Certification is not required to register for the CIP Level 2 Course component of the Certified Coatings Inspector.

## Senior Certified Coatings Inspector (CIP Level 3)

The AMPP Senior Certified Coatings Inspector credential is equivalent to the NACE CIP Level 3, and SSPC PCI Level 3 certification. This certification is for coating inspectors who aim to be recognized as leaders in the Coatings Inspection field. Senior Certified Coatings Inspectors are:

- Highly experienced in surface preparation, cleanliness, environmental conditions, test instruments, coating mixtures, and safety concerns
- Capable of undertaking non-destructive and destructive inspections of liquid and non-liquid coatings applied to any substrate without supervision
- Skilled and possess technical knowledge and problem-solving abilities to address issues that arise on the job site and are capable of supervising Basic Coatings Inspectors and Certified Coatings Inspectors

After completing requirements, a Senior Certified Coatings Inspector can undertake unsupervised non-destructive and destructive inspections of liquid and non-liquid coatings applied to any substrate. They have proven technical knowledge and the ability to communicate issues that may arise on site and are capable of supervising basic and intermediate inspectors.

**2 Hour Oral Exam**  
**English and Chinese**  
**Certification Application Required**  
**3 Year Renewal Term**



### Who Should Pursue & Attend:

Certified Coatings Inspectors wanting to become leaders in their field. The Senior Certified Coatings Inspector certification is the highest level of Coating Inspector certification.



### How To Achieve Certification:

- 1 Fulfill work experience and education requirements.
- 2 Hold an active Certified Coatings Inspector Certification (CIP Level 2) and successful completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 3 Schedule and take the oral certification exam.
- 4 Complete certification application.



## Bridge Coatings Inspector (BCI) Level 1 Certification

The Bridge Coatings Inspector (BCI) Level 1 Inspector understands the fundamentals of surface preparation and application of protective coatings on bridge steel. Other areas of understanding include containment, field safety hazards, and adapting to changing weather conditions. The BCI Level 1 Inspector also has the skills required to inspect new bridge steel painted in the shop, in the field, or maintenance systems applied in the field.

**5 Day Course Component / 3.7 Continuing Education Units (CEUs)**

**English**

**In-Person Offerings Worldwide**

**3 Year Renewal Term**



### Who Should Pursue & Attend:

Although specifically designed for bridge coating inspector trainees, this program benefits anyone interested in gaining a better understanding of bridge coatings and inspection including:

- Project managers, supervisors/foreman and engineers
- Material and equipment supplier personnel
- Maintenance and quality assurance/control (QA/QC) personnel
- Transportation agency personnel
- Contractors and specification writers
- Coating manufacturers and technical sales representatives
- Fabricators and welders
- Bridge applicators and blasters



### Why Attend – Benefits Of Attending:

- Describe thermal spray coating (TSC) and its application and uses
- Identify the roles and responsibilities of the bridge coatings inspector
- Explain the differences between QC and QA
- Recognize the importance of specification documents
- Describe appropriate hold and check points for bridge coatings inspection
- Identify typical elements of bridges
- Recognize potential safety hazards associated with bridge coatings inspection

- Ensure compliance of equipment placement and job site layout with the project specification
- Recognize the importance of containment and emissions control throughout the course of the project
- Identify key inspection concerns for each coating type
- Inspect surface preparation and coating application for bridge coatings projects



### What This Certification Covers:

- Surface Preparation
- Coating Types and Characteristics
- Coating Handling and Application
- Coating Inspection and Defects
- Preparation Before Beginning Work



### How To Achieve Certification:

- 1 Successful completion of the Bridge Coatings Inspector (BCI) Level 1 Course component of certification including the practical exam administered the last day of instruction and completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 2 Schedule and take the written certification exam.

## Bridge Coatings Inspector (BCI) Level 2 Certification

The Bridge Coatings Inspector (BCI) Level 2 Inspector understands the fundamentals of inspection, surface preparation, and application of protective coatings on bridge steel in a shop or field setting. Other areas of understanding include containment, field safety hazards, and adapting to changing weather conditions. The BCI Level 2 Inspector has at least 2 years of bridge coating inspection work.

**1 Day Exam / 0.4 Continuing Education Units (CEUs)**

**English**

**In-Person Offerings Worldwide**

**Certification Application Required**

**3 Year Renewal Term**



### Who Should Pursue & Attend:

Although specifically designed for bridge coating inspectors, this program benefits anyone interested in gaining a further understanding of bridge coatings and inspection including:

- Project managers, supervisors/foreman and engineers
- Maintenance and quality assurance/control (QA/QC) personnel
- Transportation agency personnel
- Contractors and specification writers
- Fabricators and welders
- Bridge applicators and blasters



### How To Achieve Certification:

- 1 Fulfill work experience and certification requirements.
- 2 Hold an active Bridge Coatings Inspector (BCI) Level 1 certification and successful completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 3 Take in-person written certification exams.
- 4 Complete certification application.





## Concrete Coating Inspector Program (CCI) Level 1 Certification

The objective of this program is to thoroughly train and certify individuals in the proper methods of inspecting surface preparation and installation of protective coatings on industrial concrete structures and facilities.

4 Day Course / 3.0 Continuing Education Units

English

In-Person Offerings Worldwide

Certification Application Required

3 Year Renewal Term



### Who Should Pursue & Attend:

Although specifically designed for concrete coating inspector trainees, this program benefits anyone interested in gaining a better understanding of concrete coatings and inspection including:

- Project managers, supervisors/foreman and engineers
- Material and equipment supplier personnel
- Maintenance and quality assurance/control (QA/QC) personnel
- Transportation agency personnel
- Contractors and specification writers
- Coating manufacturers and technical sales representatives



### Why Attend – Benefits Of Attending:

After attending this course you will be able to:

- Identify the common duties, responsibilities, and role of a concrete coating inspector.
- Define record keeping procedures relating to the job specification.
- Identify and explain how to use concrete coating inspection equipment.



### What This Certification Covers:

- Recognizing surface irregularities caused by concrete placement, finishing, and curing
- General inspection
- Concrete coating inspection instrumentation review
- Inspecting concrete surface preparation
- Concrete moisture testing
- Inspecting concrete coating application



### How To Achieve Certification:

- 1 Successful completion of the Concrete Coating Inspector (CCI) Level 1 component of certification including the practical exam administered the last day of instruction and completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 2 Schedule and take the written certification exam.



## Concrete Coating Inspector Program (CCI) Level 2 Certification

The objective of this program is to test and certify individuals in the proper methods of inspecting surface preparation and installation of protective coatings on industrial concrete structures and facilities. This program covers the application of coatings in a shop or in the field.

**1 Day Exam | 0.4 Continuing Education Units (CEUs)**

**English**

**In-Person Offerings Worldwide**

**Certification Application Required**

**3 Year Renewal Term**



### Who Should Pursue & Attend:

This offering is specifically designed for concrete coating inspectors who have already achieved Concrete Coating Inspector (CCI) Level 1 status and wish to progress to level 2. Other roles that might wish achieve certification include:

- Project managers, supervisors/foreman and engineers
- Material and equipment supplier personnel
- Maintenance and quality assurance/control (QA/QC) personnel
- Transportation agency personnel
- Contractors and specification writers
- Coating manufacturers and technical sales representatives



### What This Exam Covers:

- Navigating a coating specification
- Simulated pre-job conference
- Roles of quality assurance and quality control in concrete coating inspection projects
- Operations safety
- Recognizing surface irregularities caused by concrete placement, finishing, and curing



### How to Achieve Certification:

- 1 Hold an active Concrete Coating Inspector (CCI) Level 1 Certification, hold an active CIP Certification (any level), and successful completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 2 Schedule and take the written and practical certification exams.
- 3 Complete certification application.





## NAVSEA Basic Paint Inspector (NBPI) Certification

The NBPI certification is a 5-day inspection course that was developed by Naval Sea Systems Command (NAVSEA) to train coatings inspectors to inspect critical coated areas as defined by US Navy policy documents. These areas include (but are not limited to): cofferdams, decks for aviation and UNREP, chain lockers, underwater hulls, bilges, tanks, voids, and well deck overheads.

5 Day Course / 3.8 Continuing Education Units (CEUs)

English

In-Person Offerings in United States



### Who Should Pursue & Attend:

The course is primarily designed for people and organizations involved in painting work on Navy ships. However, the comprehensive nature of this course makes it an ideal tool for anyone who desires basic certification in paint inspection on marine vessels.



### Why Attend – Benefits of Attending:

After attending this course you will be able to:

- Identify different types of corrosion
- Describe methods of corrosion control
- Demonstrate the use of environmental tests and coating inspection instruments
- Identify Navy single and multiple part paints
- Explain the different causes of coating failures or defects
- Create a coating inspector's inspection plan and log book



### What This Certification Covers:

- Corrosion, corrosion control, and inspection of corrosion
- NAVSEA documents
- Chemical or detergent cleaning methods
- Mechanical cleaning methods and abrasive blast cleaning
- Waterjetting and alternative surface preparation methods



### How To Achieve Certification:

- 1 Successful completion of the NBPI Certification including the written and practical exams administered the last day of instruction.
- 2 Ensure all prerequisite forms are filled out and returned to AMPP.





## Bridge Coatings Inspection Specialty

The Coating Inspector Program bridge specialty is designed for those wanting more specialized training in bridge coating inspection. This certification is an enhancement to your current Basic Coatings Inspector (CIP Level 1), Certified Coatings Inspector (CIP Level 2), or Senior Certified Coatings Inspector (CIP Level 3) certification.

English

Exam Only

3 Year Renewal Term Concurrent with Your CIP Credential



### Who Should Attend:

Those seeking to expand their knowledge of bridge coating inspection and currently hold a Coatings Inspector Certification.



### How To Achieve Certification:

- 1 An active Basic Coatings Inspector (CIP Level 1), Certified Coatings Inspector (CIP Level 2), or Senior Certified Coatings Inspector (CIP Level 3) certification.
- 2 Successful completion of the CIP Bridge eCourse and successful completion of the Ethics for the Corrosion Professional Course.
- 3 Schedule and take the written certification exam.



## Corrosion Under Insulation (CUI) Inspection Specialty

The Coatings Inspector Program corrosion under insulation (CUI) specialty is designed for those wanting more specialized training in inspection for CUI. This specialty is an enhancement to your current Basic Coatings Inspector (CIP Level 1), Certified Coatings Inspector (CIP Level 2), or Senior Certified Coatings Inspector (CIP Level 3) certification. Requirements for obtaining the specialty include completing the Corrosion Under Insulation Course successfully along with the required exams.

**English**

**Exam Only**

**3 Year Renewal Term Concurrent with Your CIP Credential**



### Who Should Pursue & Apply:

The course was designed to be applicable for anyone working within an industry affected by CUI. Job titles may include but are not limited to:

- Specifiers and Designers
- Metals, Coatings and Risk Based Inspectors
- Coating Contractors
- Maintenance personnel and project engineers
- Manufacturers of insulation materials and equipment
- Unit managers involved in CUI



### How To Achieve Certification:

- 1 An active Basic Coatings Inspector (CIP Level 1), Certified Coatings Inspector (CIP Level 2), or Senior Certified Coatings Inspector (CIP Level 3) certification.
- 2 Successful completion of the Corrosion Under Insulation Inspection Course component of certification and successful completion of the Ethics for the Corrosion Professional Course.
- 3 Schedule and take the written certification exam.



## Fireproofing Inspection Specialty

The Coatings Inspector Program fireproofing specialty is designed for those wanting more specialized training in fireproofing inspection. This specialty is an enhancement to your current Basic Coatings Inspector (CIP Level 1), Certified Coatings Inspector (CIP Level 2), or Senior Certified Coatings Inspector (CIP Level 3) certification. Requirements for obtaining the specialty include completing the Fireproofing Inspector eCourse (FIRE INSP) successfully along with the required exams.

English

Exam Only

3 Year Renewal Term Concurrent with Your CIP Credential



### Who Should Attend:

- Coatings project managers,
- Quality managers,
- Inspectors,
- Contractor supervisory level personnel,
- Coating specification writers,
- Coatings or equipment suppliers,
- Coating consultants, or
- Technical service representatives involved in the steel protective coatings industry.



### How To Achieve Certification:

- 1 An active Basic Coatings Inspector (CIP Level 1), Certified Coatings Inspector (CIP Level 2), or Senior Certified Coatings Inspector (CIP Level 3) certification.
- 2 Successful completion of the Fireproofing Inspector eCourse and successful completion of the Ethics for the Corrosion Professional Course.
- 3 Schedule and take the written certification exam.





## Marine Coatings Inspection Specialty

The Coatings Inspector Program marine specialty is designed for those wanting more specialized training in marine coating inspection. This certification is an enhancement to your current Basic Coatings Inspector (CIP Level 1), Certified Coatings Inspector (CIP Level 2), or Senior Certified Coatings Inspector (CIP Level 3) certification. Requirements for obtaining the specialty include completing the Marine Coatings Technology course successfully along with the exam.

English

Exam Only

3 Year Renewal Term Concurrent with Your CIP Credential



### Who Should Attend:

- Project engineers
- Quality assurance managers
- Contractors
- Technical sales representatives
- Blasters
- Paint applicators
- Maintenance personnel
- Management or staff involved in maritime or shipbuilding with a required knowledge of coatings



### How To Achieve Certification:

- 1 An active Basic Coatings Inspector (CIP Level 1), Certified Coatings Inspector (CIP Level 2), or Senior Certified Coatings Inspector (CIP Level 3) certification
- 2 Successful completion of the Marine Coatings Technology Course component of certification including the practical exam administered the last day of instruction.
- 3 Complete certification application.
- 4 Schedule and take the written certification exams.



## Nuclear Coatings Inspection Specialty

The Coatings Inspector Program nuclear specialty is designed for those wanting more specialized training in nuclear coating inspection. This specialty is an enhancement to your current Basic Coatings Inspector (CIP Level 1), Certified Coatings Inspector (CIP Level 2), or Senior Certified Coatings Inspector (CIP Level 3) certification. Requirements for obtaining the specialty include completing the Nuclear Power Plant Training for Coatings Inspector course successfully along with the exam.

English

Exam Only

3 Year Renewal Term Concurrent with Your CIP Credential



### Who Should Pursue & Apply:

- Coating inspectors
- NPP quality assurance managers
- Qualified coating inspectors and coating contractors
- Inspection firms – qualified inspectors and managers
- Coating inspection and evaluation personnel at architectural engineering firms
- Inspection firms – qualified inspectors and managers
- Coating manufacturers sales and technical representatives
- Coating evaluation personnel from the Nuclear Regulatory Commission (U.S.)
- Paint supervisors at nuclear power plants



### How To Achieve Certification:

- 1 An active Basic Coatings Inspector (CIP Level 1), Certified Coatings Inspector (CIP Level 2), or Senior Certified Coatings Inspector (CIP Level 3) certification
- 2 Successful completion of the Nuclear Power Plant Training for Coatings Inspectors Course component of certification including the practical exam administered the last day of instruction.
- 3 Complete certification application.
- 4 Schedule and take the written certification exams.



## Pipeline Coatings Inspection Specialty

The Coatings Inspector Program pipeline specialty is designed for those wanting more specialized training in pipeline coatings inspection.

This specialty is an enhancement to your current Basic Coatings Inspector (CIP Level 1), Certified Coatings Inspector (CIP Level 2), or Senior Certified Coatings Inspector (CIP Level 3) certification. Requirements for obtaining the specialty include completing the Pipeline Coating Inspector eCourse (PIPE INSP) successfully along with the required exams.

English

Exam Only

3 Year Renewal Term Concurrent with Your CIP Credential



### Who Should Attend:

The training should be conducted by pipeline coating personnel, engineers, managers, plant and asset owners who have an interest in corrosion protection of pipelines.



### How To Achieve Certification:

- 1 An active Basic Coatings Inspector (CIP Level 1), Certified Coatings Inspector (CIP Level 2), or Senior Certified Coatings Inspector (CIP Level 3) certification.
- 2 Successful completion of the Pipeline Coating Inspector eCourse component of certification and successful completion of the Ethics for the Corrosion Professional Course.
- 3 Schedule and take the written certification exam.





## Thermal Spray Inspector Specialty

The Coatings Inspector Program thermal spray inspection specialty is designed for those wanting more specialized training in thermal spray inspection. This specialty is an enhancement to your current Basic Coatings Inspector (CIP Level 1), Certified Coatings Inspector (CIP Level 2), or Senior Certified Coatings Inspector (CIP Level 3) certification. Requirements for obtaining the specialty include completing the Thermal Spray Inspection Course (THERMAL INSP) successfully along with the required exams.

English

Exam Only

3 Year Renewal Term Concurrent with Your CIP Credential




### Who Should Pursue & Apply:

This course is suited for project supervisors, inspectors involved in NAVSEA, and Department of Transportation (DOT) thermal spray projects.



### How To Achieve Certification:

- 1 An active Basic Coatings Inspector (CIP Level 1), Certified Coatings Inspector (CIP Level 2), or Senior Certified Coatings Inspector (CIP Level 3) certification
  - 2 Successful completion of the Thermal Spray Inspection Course component of certification.
  - 3 Complete certification application.
  - 4 Schedule and take the written certification exam.
- 

## CIP Bridge eCourse

The CIP Bridge eCourse, gives specialized training related to coating inspection of bridges. The course focuses on how to inspect surface preparation and coating application of bridges, as well as the role of the inspector in the quality control process. It is delivered as an 8-hour short course that includes audio narration with transcripts and on-demand viewing and bookmarking capabilities that enable you to complete the course as your schedule allows.

**8 Hour Course / 8.0 Professional Development Hours (PDHs)**

**English**

**Online only eCourse**



### Who Should Pursue & Attend:

CIP participants seeking to expand their knowledge of bridge coating inspection. Other candidates for this course may include:

- Quality assurance and program/project managers
- DOT bridge engineers and inspectors
- Fabrication shop and coating contractor inspectors
- Bridge material and equipment suppliers
- Asset maintenance managers
- Coatings contractors
- Inspection companies
- Surface preparers
- Applicators



### Learning Objectives:

- Discuss the duties and responsibilities of a bridge inspector and define inspection concepts including personal and public safety issues associated with bridge inspections.
- List the inspection equipment needs for various types of bridges and site conditions.
- Describe, identify, evaluate, and document the various components and deficiencies that can exist on bridge components and elements.
- List design characteristics and describe inspection methods and locations for common concrete, and steel structures.



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.



### Prerequisites:

No prior training or experience is required.





## Coast Guard Basic Paint Inspector Course (COAST GUARD)

This is a 5-day inspection course that was developed to train coatings inspectors in those duties and responsibilities involved in inspecting surface preparation and application for the U.S. Coast Guard.

5 Day Course / 3.8 Continuing Education Units (CEUs)

English

In-Person Courses available in the U.S.



### Who Should Pursue & Attend:

The course is primarily designed for people and organizations that are involved in painting work for the Coast Guard. However, the comprehensive nature of this course makes it an ideal tool for anyone interested in this subject.



### Why Attend – Benefits of Attending:

After attending this course you will be able to:

- Identify the steps required to achieve quality surface preparation and application.
- Recognize the importance of coatings assessment.
- Explain the inspector's role in supporting Coast Guard activities through coatings quality assurance.
- Describe the tools the inspector uses in quality control.



### What This Course Covers:

- Introduction
- Fundamentals of corrosion
- Corrosion control
- Mechanical cleaning methods
- Abrasive blast cleaning
- Waterjetting and alternate surface preparation



### Prerequisites:

No prior training or experience is required.



## Corrosion Under Insulation (CUI) Course and Micro-Credential

Corrosion under insulation (CUI) is a severe form of localized, external corrosion that most commonly occurs on insulated carbon and low alloy steel and stainless-steel equipment that operate at high temperatures at or below 175°F.

CUI is most prevalent in the chemical/petrochemical, refining, offshore, and marine/maritime industries. If left undetected, CUI can result in catastrophic leaks or explosions, equipment failure, prolonged downtime due to repair or replacement, and safety and environmental concerns.

This course introduces the theoretical and practical aspects of preventing, managing and inspecting CUI.

**4 Day Course / 2.9 Continuing Education Units (CEUs)**

**English**

**In-Person and Online Offerings Available**



### Who Should Attend:

The course was designed to be applicable for anyone working within an industry affected by CUI. Job titles may include but are not limited to:

- Specifiers and Designers
- Metals, Coatings and Risk Based Inspectors
- Coating Contractors
- Maintenance personnel and project engineers
- Manufacturers of insulation materials and equipment
- Unit managers involved in CUI



### Learning Objectives:

- Explain what CUI is, including the components of a typical CUI system and why it is required in a range of industrial settings.
- Explain the importance of lab testing on the selection of CUI system components.
- Define the role protective coatings play in the prevention of CUI and outline the factors that need to be considered when selecting a coating for application under insulation.
- Identify the common types of coatings applied under insulation and describe their advantages and disadvantages.
- Outline the factors that need to be considered when selecting insulation.



### Course Completion:

Successful completion of the course is required to earn a training certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, knowledge checks.



### Getting Your Micro-Credential:

The initial exam fee for the Corrosion Foundations Micro-Credential Exam is included with the course registration fee. The exam is administered through Exami, a remote online proctoring service.

1. Enroll and complete the Basic Corrosion Course
2. Schedule your exam
3. Consent to conduct agreement



### Prerequisites:

No prior training or experience is required.

## Fireproofing Inspector eCourse (FIRE INSP)

The Fireproofing Inspector eCourse is an online course that creates an increased awareness of fireproofing and proper inspection of applied protective coatings. After scheduling and passing the in-person exam this course adds a certification to your title that will benefit individuals such as plant managers, asset owners, coating and fire protection suppliers. Build on this eCourse with the corresponding certification exam.

**8 Hours / 8 Professional Development Hours (PDHs)**

**English, Spanish, Chinese and Turkish**

**Online only eCourse**



### Who Should Attend:

Coatings project managers, quality managers, inspectors, contractor supervisory level personnel, coating specification writers or coatings or equipment suppliers, coating consultants, or technical service representatives involved in the steel protective coatings industry.



### Learning Objectives:

- Describe different types of fires and fire protection.
- Explain how thick film and thin film intumescent coatings work.
- Define the role of the fireproofing inspector in regard to quality assurance and quality control.
- Recognize health and safety considerations for fireproofing projects.
- Recognize essential documents associated with the inspection of fireproofing projects.



### Course Content

- Thick film intumescent coatings
- Overview of passive fire protection
- Quality assurance and quality control
- Safety and the fire proofing inspector
- Fireproofing inspectors duties
- Principles of passive fire protection



### Course Completion:

This course is taken online and consists of three core modules: Thick Film Intumescent Coatings, Thin Film Intumescent Coatings, and Other Forms of Fire Protection. Each module is supplemented by quizzes. The course features units as a series of web pages that students can access whenever it is convenient to them. The written exam consists of 100, multiple-choice questions. To receive a certificate and CEUs, you must attend all 8 hours of the course and attain a 70% or better score on the exam.



### Prerequisites:

No prior training or experience is required.





## Marine Coatings Technology Course

The course covers the fundamental issues that are specific to coatings in the marine industry. After a description of the most common types of ships, the course describes the corrosion types affecting the ships' areas, the types of coatings and linings that are effective in the marine environment, the shipbuilding process, the surface preparation, application and inspection techniques, the IMO PSPC for Ballast Tanks, Cargo Tanks and Voids, as well as in service survey and inspection, inspection records and procedures. Classroom instruction is comprised of lectures and discussions.

4 Day Course / 2.3 Continuing Education Units (CEUs)

English

In-Person and Online Offerings Available



### Who Should Attend:

- Project engineers
- Quality assurance managers
- Contractors
- Technical sales representatives
- Blasters
- Paint applicators
- Maintenance personnel
- Management or staff involved in maritime or shipbuilding with a required knowledge of coatings



### Learning Objectives:

- Describe the types and uses of protective coatings, their application, and associated quality control on vessels
- Recognize salient safety issues associated with performing inspection in marine industry
- Identify and use instruments mainly used in marine coating inspection
- Recognize various IMO Resolutions related to protective coatings (PSPC for ballast tanks, cargo tanks and voids, antifouling, etc.)



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.



### Prerequisites:

No prior training or experience is required.



## Nuclear Power Plant Training for Coatings Inspectors Course

The course is designed specifically to train coating inspectors to conduct inspections in nuclear power plants (NPPs) and is also used as a primer to familiarize non-CIP-certified personnel with NPP coating requirements. The training focuses on the unique challenges presented by a nuclear facility's restrictive and safety-critical environment, as well as the verbatim compliance compulsory in NPPs. The course also delves deeply into government, industry, and plant-specific regulations, technical specifications, and procedures through lectures, case studies, and discussions.

**4 Day Course / 3.0 Continuing Education Units (CEUs)**

**English**

**In-Person and Online Offerings Available**



### Who Should Attend:

- NPP quality assurance managers
- Qualified coating inspectors
- Inspection firms – qualified inspectors and managers
- Coating manufacturers sales and technical representatives
- Coating inspection and evaluation personnel at architectural engineering firms
- Coating contractors
- Coating evaluation personnel from the Nuclear Regulatory Commission (U.S.)
- Paint supervisors at nuclear power plants



### Learning Objectives:

- Describe NPP operations, work procedures, and familiarity with industry terms
- Recognize all industry regulatory organizations worldwide (including the U.S. Nuclear Regulatory Commission (NRC))
- Perform inspections in various areas of an NPP
- Recall the purpose, criteria, and types of qualified NPP Coatings



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.



### Prerequisites:

No prior training or experience is required.



## Pipeline Coating Inspector eCourse (PIPE INSP)

Pipelines are our energy lifeline, making almost every daily activity possible. Pipelines play a huge role in everyday lives and are essential to the world's industries. This training course looks at the corrosion protection of steel pipelines with the use of protective coatings and cathodic protection and the duties and responsibilities of the pipeline coatings inspector. Build on this eCourse with the corresponding certification exam.

15 Hours / 15 Professional Development Hours (PDHs)

English

Online only eCourse



### Who Should Attend:

The training should be conducted by pipeline coating personnel, engineers, managers, plant and asset owners who have an interest in corrosion protection of pipelines.



### Learning Objectives:

- Recognize the duties of a pipeline coating inspector
- Describe the surface preparation methods, such as centrifugal blast cleaning used on steel pipes.
- Identify different applicable standards used for pipeline inspection
- Identify how to use visual tools such as SSPC-VIS 1 when inspecting surface preparation of pipelines



### Course Content:

- Pipeline corrosion
- Quality control (QC) and quality assurance (QA)
- Safety and the pipeline inspector
- Pipeline inspector's duties
- Surface preparation prior to application of pipeline coatings



### Course Completion:

This course is composed of thirteen core units. Most modules are supplemented by quizzes. The course features units as a series of web pages that students can access whenever it is convenient to them. Students must take the written exam in person. Contact AMPP to set up the exam. The written exam consists of 100 multiple-choice questions. To receive a certificate and CEUs, you must attend all 15 hours of the course and attain a 70% or better score on the exam.



### Prerequisites:

No prior training or experience is required.



## Thermal Spray Inspector Training (THERMAL INSP) Course

As thermal spray coatings become more widely used in the protective coatings industry, it becomes more important to ensure these coating systems are applied properly. Be an expert in thermal spray inspection by learning how to navigate the NAVSEA standard on thermal spray and a Department of Transportation (DOT) specification. This program covers the inspection of thermal spray from pre-surface preparation through coating application.

**1 Day Course / 7.0 Professional Development Hours (PDHs)**

**English**

**In-Person Offerings Worldwide**



### Who Should Attend:

This course is suited for project supervisors, inspectors involved in NAVSEA, and Department of Transportation (DOT) thermal spray projects.



### Why Attend - Benefits of Attending:

After attending this course you will be able to:

- Recognize and describe the proper role of the inspector
- Recognize common inspection hold points and quality control procedures for thermal spray inspection
- Implement and follow correct thermal spray inspection procedures for surface preparation and application



### Course Content:

- Thermal spray process overview
- The inspector's role
- Inspection hold points
- Thermal spray inspection procedures
- Inspecting surface preparation
- Inspecting applied TSC
- Thermal spray safety



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.



### Prerequisites:

No prior training or experience is required.





## Using SSPC-PA 2 Effectively (PA 2) eCourse

SSPC-PA 2 is one of the most frequently specified standards for frequency and acceptability of dry film thickness measurements. This 90-minute eCourse demonstrates how to complete the measurements described in the SSPC-PA 2 standard. Through visual examples, many filmed at an actual job site, students will learn the frequency of spot measurements on pipe spools, test panels, coated steel beams and pipe sections. Students will also gain valuable practice in determining whether the film thickness in a given area conforms to the various coating thickness restriction levels outlines within the SSPC-PA 2 standard.

90 Minutes / 2 Professional Development Hours (PDHs)

English

Online only eCourse



### Who Should Attend:

- Facility Owners
- Specifiers
- Inspectors
- Supervisors
- QA/QC personnel
- Engineering firms
- Project managers
- Coating manufacturers or sales reps



### Learning Objectives:

- Measure dry film thickness of an applied coating in accordance with SSPC-PA 2
- Describe the procedure for determining conformance to dry coating thickness requirements per SSPC-PA 2.



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.



### Prerequisites:

No prior training or experience is required.





# Training for Businesses

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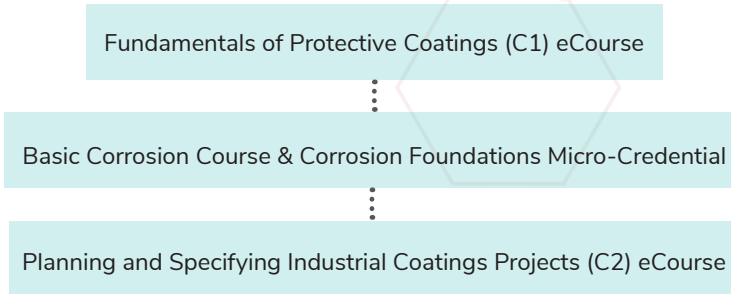


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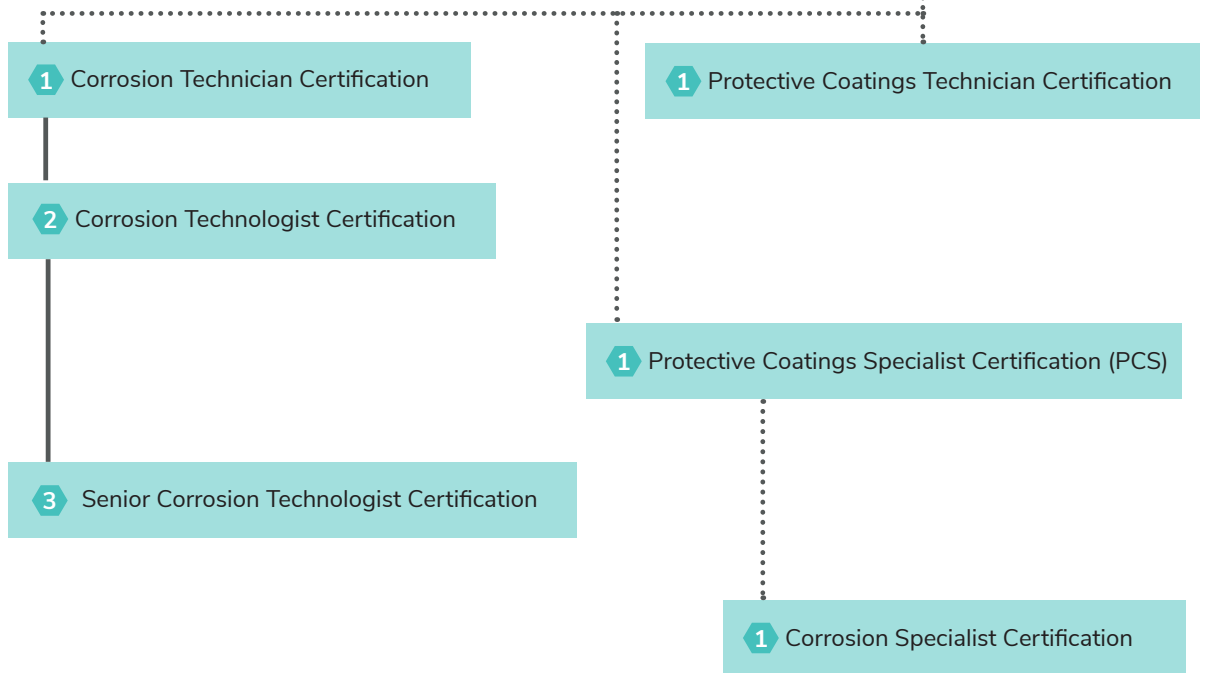
# Coatings and Corrosion Programs

Build a career in General Coatings and Corrosion, with courses and certifications applicable to many industries.

## Build foundational knowledge in corrosion and coatings



## Showcase your experience with certifications



- Coatings Foundations for Amusement Parks Micro-Credential\*\*
  - Refining Corrosion Technologist Certification\*\*
  - Offshore Corrosion Assessment Technician (O-CAT) Certification
  - Shipboard Corrosion Assessment Technician (S-CAT) Certification
  - Corrosion & Protection of Concrete Structures & Buildings Course
  - Ethics for the Corrosion Professional eCourse
  - Power Industry Corrosion Concepts eCourse
  - Reinforced Concrete Corrosion eCourse
- \*\*contains a course component when achieving a certification or micro-credential

Please note: This is a suggested career pathway for those interested in a career in coatings or corrosion. This does not showcase exact prerequisites for courses or certifications nor does a student have to follow this exact pathway. Please see each page for specific details.

## Corrosion Technician Certification

This certification is geared towards personnel with at least 2 years of experience and who possess basic knowledge of corrosion and corrosion control and are capable of performing routine, well defined work under the close direction of Specialist or Senior Technologist personnel. The Corrosion Technician should have experience with general corrosion topics and be able to perform a variety of corrosion related tasks.

The exam for this certification covers knowledge from the following areas:

- Cathodic Protection
- Protective Coatings
- Materials/Metallurgy
- Chemical Treatment/Inhibitors
- General Corrosion

**Application and Exam only**

**English**

**3 Year Renewal Term**



### Who Should Apply:

The following certification is targeted at individuals who are responsible for identifying, locating and controlling corrosion in refinery environments. This includes:

- Design engineers
- Process engineers
- Procurement agents
- Maintenance planners
- Service company representatives who support refineries
- Corrosion and equipment engineers
- Metallurgists
- Inspectors and inspection supervisors



### Application Procedure:

An application should be submitted prior to taking the exam to allow time for AMPP to verify work experience requirements. This exam is available in English only at this time.



### How To Achieve Certification::

- 1 Fulfill work experience requirement.
- 2 Successful completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 3 Complete certification application.
- 4 Schedule and take the written certification exam.





## Corrosion Technologist Certification

This certification is for experienced corrosion personnel possessing advanced comprehension, knowledge, and experience of the theory of corrosion and corrosion prevention. Successful applicants are experienced corrosion professionals with areas of understanding that include cathodic protection, coatings, material selection and design, internal corrosion, and chemical treatment. This individual can perform responsible work under the direction of Specialist level personnel but require supervision.

**Application and Exam only**

**English**

**3 Year Renewal Term**



### Who Should Apply:

Experienced individuals with knowledge of corrosion theory and corrosion prevention.

Candidates should have a firm understanding of:

- General Corrosion and Metallurgy
- Coatings and Cathodic Protection
- Internal Corrosion
- Safety, Design, and Maintenance



### Application Procedure:

An application should be submitted prior to taking the exam to allow time for AMPP to verify work experience requirements. This exam is available in English only at this time.



### How To Achieve Certification:

- 1 Fulfill work experience and education requirements.
- 2 Successful completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 3 Complete certification application.
- 4 Schedule and take the written certification exam.





## Senior Corrosion Technologist Certification

This certification is for experienced corrosion personnel possessing advanced comprehension, knowledge, and experience of the theory of corrosion and corrosion prevention. Successful applicants are experienced corrosion professionals with areas of understanding that include cathodic protection, coatings, material selection and design, internal corrosion, and chemical treatment.

**Application and Exam only**

**English**

**3 Year Renewal Term**



### Who Should Apply:

Experienced individuals with knowledge of corrosion theory and corrosion prevention. Candidates should have a firm understanding of:

- General Corrosion and Metallurgy
- Coatings and Cathodic Protection
- Internal Corrosion
- Safety, Design, and Maintenance



### Application Procedure:

An application should be submitted prior to taking the exam to allow time for AMPP to verify work experience requirements. This exam is available in English only at this time.



### How To Achieve Certification:

- 1 Fulfill work experience and education requirements.
- 2 Successful completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 3 Complete certification application.
- 4 Schedule and take the written certification exam.





## Corrosion Specialist Certification

Our highest level of corrosion certification, the Corrosion Specialist certification is geared towards very experienced corrosion control personnel, with broad and extensive expertise, in both the theory and practice of multiple areas of corrosion and corrosion control, and capable of performing work at a very advanced level.

Application and Exam only  
English  
3 Year Renewal Term



### Who Should Apply:

This certification is designed for those who already hold one of the following certifications:

- Cathodic Protection Specialist Certification
- Senior Internal Corrosion Technologist Certification
- Protective Coating Specialist Certification
- Certification in Materials Selection/Design
- Certification in Chemical Treatment



### Application Procedure:

An application should be submitted prior to taking the exam to allow time for AMPP to verify work experience requirements.



### How To Achieve Certification:

- 1 Fulfill work experience and education requirements.
- 2 Successful completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 3 Complete certification application.
- 4 Schedule and take the written certification exam.



## Offshore Corrosion Assessment Technician (O-CAT) Certification

The Offshore Corrosion Assessment Technician Certification addresses the elements of in-service inspection and maintenance planning for fixed offshore structures. The course focuses on the inspection, evaluation, and maintenance planning for fixed offshore structures. Special attention is given to corrosion protection systems commonly used in offshore facilities. The Minerals Management Services (MMS) A-B-C facility evaluation grading system requirements for Level 1 Inspection Reporting are also covered.

**5 Day Course Component / 3.5 Continuing Education units**  
**English and Chinese**  
**In-Person Offerings Worldwide**  
**Certification Application Required**  
**3 Year Renewal Term**



### Who Should Pursue & Attend:

Anyone involved in corrosion control and integrity management of fixed offshore structures. The curriculum benefits varied levels of professionals including:

- Management and planning personnel
- Field inspectors conducting in-service inspections of the facility
- Contractors and specification writers
- Offshore platform operations personnel



### Learning Objectives:

- Perform an evaluation of an offshore platform corrosion system
- Describe the various testing methods used during the evaluation
- Identify safety hazards and critical areas of concern
- Describe the systems and their requirements used to collect information about offshore platforms



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks. A practical exam is administered at the end of the course. Successful completion of the exam is required to earn a certificate of completion.



### How To Achieve Certification:

- 1 Successful completion of the Offshore Corrosion Assessment Training (O-CAT) component of certification including the practical exam administered the last day of instruction and completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 2 Schedule and take the written certification exam.





## Protective Coating Technician Certification

The Protective Coating Technician certification is for protective coatings professionals with 1-2 years of work experience and knowledge in the areas of coatings system selection, surface preparation, coating application, coating inspection and quality control, use of testing instruments, and documentation and data reporting.

**Application and Exam only**  
**English**  
**3 Year Renewal Term**



### Who Should Apply:

Anyone involved in corrosion control and integrity management of fixed offshore structures. The curriculum benefits varied levels of professionals including:

- Planning, engineering, and supervisory level personnel responsible for industrial coatings and linings who are new to the field or position
- Specifiers, maintenance, and project engineers in all industries
- Marketing representatives of coatings materials or equipment



### Application Procedure:

An application should be submitted prior to taking the exam to allow time for AMPP to verify work experience requirements.



### How To Achieve Certification:

- 1 Fulfill work experience and education requirements.
- 2 Successful completion of the Ethics for the Corrosion Professional course or an equivalent training, and an active Corrosion Foundations Micro-Credential.
- 3 Complete certification application.
- 4 Schedule and take the written certification exam.







## Protective Coating Specialist Certification

This certification is for individuals who are experienced, knowledgeable and capable of performing work at an advanced level in both the theory and practice of corrosion prevention and control in the protective coatings field.

**Application and Exam only**

**English**

**3 Year Renewal Term**



### What this Certification Covers:

- Creating Paint Maintenance Programs
- Conducting Site Surveys
- Reviewing Bidders Lists
- Understanding of appropriate safety, environment and health issues



### How To Achieve Certification:

- 1 Fulfill work experience and education requirements.
- 2 Successful completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 3 Schedule and take the written certification exam.
- 4 Complete certification application.





## Refining Corrosion Technologist Certification and Corrosion Control in the Refining Industry Course

The Refining Corrosion Technologist certification is targeted at individuals who are responsible for identifying, locating, and controlling corrosion in refinery environments. Those applying for this certification should possess an understanding of refinery process unit-specific corrosion mechanisms. From the proximity of assets to saltwater, to the production and storage of hazardous chemicals, refineries pose unique challenges that require specialized training to combat corrosion. The coursework covers the effects of corrosion on the production environment and addresses methods to implement corrosion control throughout the full lifecycle, from material selection and design to maintenance.

**5 Day Course Component / 30 Professional Development Hours (PDHs)**

**English**

**In-Person and Online Offerings Available**

**Certification Application Required**

**3 Year Renewal Term**



### Who Should Pursue & Attend:

The following certification is targeted at individuals who are responsible for identifying, locating and controlling corrosion in refinery environments.

This includes:

- Design engineers
- Process engineers
- Procurement agents
- Maintenance planners
- Service company representatives who support refineries
- Corrosion and equipment engineers
- Metallurgists
- Inspectors and inspection supervisors



### Learning Objectives:

- Identify the various forms of corrosion and the specific mechanisms that result in each form
- Define electrochemical processes and concepts
- Recognize the different types of corrosive environments that affect corrosion
- Give examples as to how and when to use control corrosion methods of design, materials selection, modification of environment, protective coatings, and cathodic and anodic protection



### How to Achieve Certification:

- 1 Fulfill work experience and education requirements.
- 2 Successful completion of the Corrosion Control in the Refining Industry Course component of certification and completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 3 Schedule and take the written certification exam.
- 4 Complete certification application.



## Shipboard Corrosion Assessment Technician (S-CAT) Certification

The Shipboard Corrosion Assessment Training Technician Certification encompasses a knowledge of coatings, corrosion, and corrosion control assessing the condition of tanks and other military ship structures, to help maintain full operational status.

The Shipboard Corrosion Assessment Training course provides a foundation of coatings, corrosion, and corrosion control knowledge related to determining the condition of ships, tanks, and related waterborne structures. It provides a knowledge base of required actions to effectively maintain the structure in fully operational status. The course equips the naval assessor with practical guidelines for surveying and evaluating the condition of the protective coating system on specific areas of U.S. Navy vessels.

Classroom instruction is comprised of lectures, discussions, and assessments.

**5 Day Course Component / 3.4 Continuing Education Units (CEUs)**

**English**

**In-Person Offerings Worldwide**

**Certification Application Required**

**3 Year Renewal Term**



### Who Should Pursue & Apply:

Anyone involved in corrosion control and integrity management of fixed offshore structures. The curriculum benefits varied levels of professionals including:

- Coating inspectors
- Shipyard planners
- Design engineers
- Type commander representatives



### Learning Objectives:

- Perform visual assessments for all ship areas
- Describe the various testing methods used during the evaluation
- Determine corrosion control methods:
  - o Design
  - o Inhibitors
  - o Protective coatings
  - o Cathodic protection
  - o Corrosion resistant materials
  - o Alteration of environment



### How To Achieve Certification:

- 1 Successful completion of the Shipboard Corrosion Assessment Training (S-CAT) Course component of certification including the practical exam administered the last day of instruction and completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 2 Schedule and take the written certification exam.





## SSPC Protective Coatings Specialist (SSPC PCS)

The SSPC Protective Coatings Specialist (SSPC PCS) certification recognizes those individuals who demonstrate a broad depth of knowledge in the protective coatings industry. An SSPC PCS may be involved in specification writing or review, development or review of work plans, development or review of submittal documents, quality assurance, failure investigation, and repair recommendations.

The Protective Coatings Specialist certification program (PCS) identifies and awards recognition to individuals who have in-depth knowledge in the principles and practices of industrial coatings technology.

**Application and Exam only**

**English**

**3 Year Renewal Term**



### Who Should Pursue & Apply:

- Those with an SSPC PCS certification understand the mechanisms and effects of corrosion for a variety of materials and understand the role coatings play in corrosion control.
- Certification holders should also exhibit competence in management and planning of contracts for new construction and maintenance painting, economic analysis, and implementation of environmental and safety regulations and controls.



### How To Achieve Certification:

- 1 Achieve work experience and education requirements.
- 2 Submit application.
- 3 Take certification exam.



## Corrosion & Protection of Concrete Structures & Buildings Course

Held in partnership with the Australasian Corrosion Association, this course provides valuable information on prevention and remediation of corrosion and deterioration to reinforced concrete structures and buildings. Classroom instruction is comprised of lectures and discussions.

2 Day Course / 13 Professional Development Hours (PDHs)

English

In-Person Offerings Available Worldwide



### Who Should Attend:

- Architects
- Civil or structural engineers
- Specialty contractors
- Construction materials supplier
- Asset managers
- Maintenance planners



### Prerequisites:

No prior training or experience is required.



### Learning Objectives:

- Characteristics of cement and concrete
- Concrete deterioration mechanisms
- Corrosion of steel in concrete
- Assessment, diagnosis, repair, and protection of concrete
- Cathodic protection (CP) of reinforced concrete
- Other electrochemical methods
- Preventative measures for new concrete



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks. All certification and renewal applicants will be required to complete the ethics training program OR an equivalent training and provide proof of completion as part of the certification application or renewal process.





## Ethics for the Corrosion Professional eCourse

The corrosion profession, and the certified professionals who work in the industry, are committed to protecting people, assets and the environment from the effects of corrosion. Those tasked with delivering the technical expertise to society must conduct their work with the knowledge and understanding of the ethical principles expected and required of those professionals.

The AMPP Code of Ethics is discussed in conjunction with case studies and features real-life ethical violations of the AMPP attestations. Frameworks for making ethical decisions are reviewed in this course along with the factors in the corrosion industry that can lead to unethical behavior.

**1.5 Hours / 2 Professional Development Hours (PDHs)**  
**English, Chinese and Spanish**  
**Online only eCourse**



### Who Should Attend:

This program benefits anyone working within the Corrosion industry who may be in a position where they are faced with ethical decision making including:

- Apprentices
- Technicians
- Salespersons
- Inspectors
- Quality Control
- Managers
- Engineers



### Learning Objectives:

- Recognize the importance of upholding ethical standards across the Corrosion Prevention and Control industry.
- Discuss how the Six Pillars of Character embody the ethical values of a professional.
- Describe the consequences of engaging in unethical behavior.
- Identify types of unethical behavior seen when working in the corrosion industry.
- Explain what ethical dilemmas are and why they occur within professional environments.



### Prerequisites:

No prior training or experience is required.



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.



## Fundamentals of Protective Coatings (C1) eCourse

This eCourse provides a fresh insight and a comprehensive overview of Protective Coatings. While this course is intended for those new to the protective coatings industry, the course provides details about protective coatings, preparing surfaces, and how to get the best performance from a coating. It's also an ideal refresher on the fundamentals of coatings and the use of coatings as a protective mechanism.

10 Hours / 10 Professional Development Hours (PDHs)

English

Online only eCourse



### Who Should Attend:

- Painting contractors
- Engineers
- Inspectors
- Consultants
- Facility Owners
- Technical services and sales representatives



### What This Course Covers:

- Corrosion and corrosion control
- Coating types and their mechanisms and protection
- Surface preparation for painting
- Application of coatings
- Inspection and quality control



### Why Attend – Benefits Of Attending:

After attending this course you will be able to:

- Identify types of corrosion and select coatings that meet project demands.
- Recognize the different types of coatings available and the various mechanisms at work in the process of protection.
- Discuss how proper surface preparation is critical to achieving the maximum level of protection available through protective coating systems.
- Describe the inspection equipment and methods used to ensure that all specification requirements are met.



### Prerequisites:

No prior training or experience is required.





## Planning and Specifying Industrial Coatings Projects (C2) eCourse

The C2 eCourse is designed to provide an overview of the principles of planning, awarding, and monitoring the quality of new construction or maintenance coating projects. After completing this training program, students will be familiar with tools to develop effective coating projects and play a more active role in managing painting projects to successful completion.

This course includes downloadable job aids, learning activities, and knowledge check questions throughout each module.

**8 Hours / 8.0 Professional Development Hours (PDHs)**

**English**

**Online only eCourse**



### Who Should Attend:

Contractors, engineers, inspectors, consultants, facility owners, technical services, and sales reps.



### Learning Objectives:

After attending this course you will be able to:

- Explain the issues in managing a coatings project, including different types of contracts, specifications, standards, coating selection, and the roles of project participants
- Describe the difference between corrective and preventive action
- Recognize the Owner's role in monitoring the Contractor's Quality Management System
- Identify the key considerations when planning a new construction coating project, a maintenance coating project and a repair coating project



### Course Completion:

To receive a training Certificate of Completion and professional development hours (PDHs) students must successfully complete the entire course, including all workshops and knowledge checks.





## Power Industry Corrosion Concepts eCourse

Corrosion impacts the safety, dependability, and costs of generating, transmitting, and distributing electricity. In today's economy the power industry has a pressing need for methods to extend the life of their aging infrastructure in order to meet the increasing demand for electric energy. This eCourse provides a high-level overview of the financial, economic, and physical effects of corrosion in the power industry and the importance, need, and benefits of integrating corrosion control practices into utilities' overall asset management plan.

This 5-hour course includes audio narration with transcripts and on-demand viewing and bookmarking capabilities that enable you to complete the course as your schedule allows.

**5 Hours / 5 Professional Development Hours (PDHs)**

**English**

**Online only eCourse**



### Who Should Attend:

- Electric utilities and independent power producers
- Vendors and suppliers of power generation equipment
- Maintenance, engineering, and inspection service providers
- Regulators and oversight organizations
- Colleges and trade schools preparing students for jobs in the electric power industry
- Union and building trades, apprenticeship and skills training program
- Governmental, veteran, and privately funded skills re-training organizations



### Learning Objectives:

- Explain the cost of corrosion and its significance including the economic, environmental, safety, financial and system reliability impact as it relates to the power industry
- Identify how, where, and why corrosion occurs
- Recognize various types of corrosion based on their characteristics and where they are typically found in power industry environments
- Define the major areas of transmission and distribution structures, substation apparatus and generating facilities that should be inspected, the inspection process used, and the data analysis process associated with each type of inspection



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.



### Prerequisites:

No prior training or experience is required.





## Reinforced Concrete Corrosion eCourse

In the early morning hours of June 24, 2021, the Champlain Towers Condominium partially collapsed resulting in the loss of 98 lives. The almost 40-year-old structure was built using reinforced concrete and exhibited signs of corrosion. While the federal investigation continues, AMPP has created this eCourse, using this event as the backdrop and case study, to raise awareness of the significant threat reinforced concrete corrosion can cause.

This four-hour course provides a high-level overview of how to protect, inspect, and repair reinforced concrete structures. It does not, however, explain the reason for the collapse or provide any information not publicly available. Learning activities, in-course knowledge checks and recommended reading are also included with the course.

**4 Hours / 4 Professional Development Hours (PDHs)**

**English**

**Only only eCourse**



### Who Should Attend:

While this course has no pre-requisite or currently part of a learning path, it's intended for anyone with interest in reinforced concrete corrosion including:

- Project managers, supervisors/foreman, specifiers, and engineers
- Contractors and field personnel
- Maintenance and quality assurance/control (QA/QC) personnel
- Coating manufacturers and technical sales representatives
- Material and equipment supplier personnel



### Learning Objectives:

Using the Champlain Towers Condominium as the backdrop, at the completion of this course, users will be able to

- Identify concrete components and the factors that impact durability.
- Reflect on where reinforced concrete is commonly used.
- Link the different ways reinforced concrete corrodes to the deterioration of steel reinforcements.

- Distinguish the importance of inspections and corrosion control measures.
- Articulate the repair methods and treatments of reinforced concrete structures.



### Course Completion:

Upon completion, users will be awarded a Certification of Completion and have access to downloadable job aids, Materials Performance Magazine articles, and white papers.



### Prerequisites:

No prior training or experience is required.



## Basic Corrosion Course and Corrosion Foundations Micro-Credential

This course covers a basic but thorough review of causes of corrosion and the methods by which corrosion is identified, monitored, and controlled. Active participation is encouraged through hands-on experiments, case studies, and open discussion format.

The Corrosion Foundations micro-credential is geared toward candidates who recognize corrosion and understand its devastating potential. Candidates should also understand the importance of monitoring and/or corrosion control, especially as it relates to his or her area of responsibility.

**4 or 5 Day Course / 3.0 Continuing Education Units (CEUs) / 18 Professional Development Hours (PDHs)**  
**English and Spanish**  
**In-Person and Online Offerings Available**



### Who Should Pursue & Attend:

Anyone who needs the ability to recognize corrosion and understand its devastating potential, and how to monitor and/or control corrosion, especially as it relates to his or her area of responsibility. This includes:

- Technicians
- Salespersons
- Inspectors
- Managers
- Engineers



### Learning Objectives:

- Define corrosion and recognize the economic, environmental and safety impact of corrosion.
- Recognize terms and definitions of basic electrochemistry, as well as define the processes and concepts of electrochemistry, oxidation and reduction reactions, thermodynamics, kinetics, and passivity.
- Identify the characteristics of commonly-encountered corrosive environments such as atmospheric, water and other electrolytes, soil and high temperature environments



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.



### Getting Your Micro-Credential:

The initial exam fee for the Corrosion Foundations Micro-Credential Exam is included with the course registration fee. The exam is administered through Examity, a remote online proctoring service.

1. Enroll and complete the Basic Corrosion Course
2. Schedule your exam
3. Consent to conduct agreement



### Prerequisites:

No prior training or experience is required.



## Coatings Foundations for Amusement Parks Micro-Credential and Controlling Corrosion in the Amusement Park Industry Course

The Coatings Foundations for Amusement Parks micro-credential is geared toward candidates who understand the need for corrosion control as it relates to amusement park assets. Candidates should understand the importance of coatings as it relates to corrosion control for amusement park assets and be able to explain the four components of a coating, why coatings are used, and the difference between generalized and localized corrosion. Candidates for this micro-credential includes coatings contractors, specification writers, amusement park safety and facility personnel, as well as amusement park owners / operators and maintenance personnel.

90 minutes / 2 Professional Development Hours (PDHs)

English

Online only eCourse



### Who Should Pursue & Attend:

- Coating contractors
- Specification writers
- Amusement park maintenance personnel
- Amusement park safety and facility managers
- Amusement park owners and operators



### Learning Objectives:

- Describe the four primary reasons in which coatings are used in the Amusement Park Industry.
- Explain how corrosion forms and the electrochemical process that occurs at the anodic and cathodic sites.
- State the difference between general and localized corrosion.
- Summarize the three factors that influence the rate of corrosion.



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion.



### Getting Your Micro-Credential:

The initial exam fee for the Coatings Foundations for Amusement Parks Micro-Credential Exam is included with the course registration fee. The exam is administered through Examity, a remote online proctoring service.

1. Enroll and complete the Controlling Corrosion in the Amusement Park Industry Course
2. Schedule your exam
3. Consent to conduct agreement



### Prerequisites:

No prior training or experience is required.





# THE INDUSTRIAL COATING APPLICATION (ICA) TRAINING PROGRAM

**Hands-on, flexible training you control.**

The ICA Training Program, designed for your convenience, offers customization and flexibility in training sprayers and abrasive blasters. It combines engaging hands-on workshops, and more. With AMPP, you have the freedom to choose your instructors and set the pace that suits your company's needs. Plus, our subscription-based model provides 24/7 access to essential resources, including student workbooks and presentation slides for every lesson.

Learn how this program meets QP training needs, helps prepare students for C7, C12 and CAS, and more at [ampp.org/ICA-TP](http://ampp.org/ICA-TP)

## Why Choose Our Program?

- Flexible Subscription Model: 24/7 unrestricted access to up to 40 hours of training material.
- Hands-On Labs: Practical hands-on labs keep students engaged.
- No Instructor Requirements: You pick your instructor!
- AMPP Recognition: Option to have AMPP recognition for your students who complete the training as well as earn Professional Development Hours (PDHs).



# Pipeline Career Pathways

Select a path for implementation, monitoring, and management of corrosion mitigation for pipelines.

## Pipeline Integrity Management

Cathodic Protection Technician Certification (CP2)\*\*

Pipeline Corrosion Integrity Management (PCIM) Course

Direct Assessment (DA) Course

In-Line Inspection (ILI) Course

1 Pipeline Corrosion Integrity Management (PCIM) Technologist Certification

## Internal Corrosion Assessment

1 Internal Corrosion Technologist Certification\*\*

\*\*contains a course component when achieving a certification

Pipeline Corrosion Assessment Field Techniques (P-CAFT)

1 Pipeline Corrosion Integrity Management (PCIM) Technician Certification

2 Senior Internal Corrosion Technologist Certification\*\*

## Pipeline Field Personnel

Pipeline Corrosion Assessment Field Techniques (P-CAFT)

Cathodic Protection Tester Certification (CP1)\*\*

Please note: This is a suggested career pathway for those interested in a pipeline career. This does not showcase exact prerequisites for courses or certifications nor does a student have to follow this exact pathway. Please see each page for specific details.

## Internal Corrosion Technologist Certification and Internal Corrosion Level 1 Course

Completing the Internal Corrosion (IC) Level 1 course is the first step to earning the Internal Corrosion Technologist certification for liquid and natural gas pipelines used for transmission, storage, and distribution.

The IC Level 1 course (formerly Internal Corrosion Basic) focuses on the fundamentals of implementing, monitoring and maintaining an internal corrosion control program as part of an overall pipeline integrity management program.

After successfully obtaining your Internal Corrosion Technologist certification you will be able to determine the corrosion rate and mechanism, perform the field tests required to inspect for internal corrosion, determine if corrective action is required and select the proper mitigation method to ensure the effectiveness of the monitoring program.

**5 Day Course Component / 3.5 Continuing Education Units (CEUs)**

**English, Spanish**

**In-Person Offerings Worldwide**

**Certification Application Required**

**3 Year Renewal Term**



### Who Should Pursue & Attend:

This program benefits anyone interested in gaining a better understanding of internal corrosion on pipelines, including engineers, managers, and field personnel responsible for:

- Field Investigation
- Internal Corrosion Mitigation
- Internal Corrosion Integrity Management



### Learning Objectives:

- Describe the types of corrosion and the key environmental variables that effect the rate of corrosion.
  - o Determine the presence of corrosion through monitoring devices such as coupons and electronic probes and field and laboratory tests, including analysis of gas, liquid and sludge/solid samples.
- Examine exposed surfaces and be able to determine the root cause of corrosion.
- Summarize the methods used to assess the integrity of pipelines including direct assessment, in-line inspection, and hydrostatic (pressure) testing.



### How To Achieve Certification:

- 1 Fulfill work experience and education requirements.
- 2 Successful completion of the Internal Corrosion for Pipelines Level 1 Course component of certification including the practical exam administered the last day of instruction and completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 3 Schedule and take the written certification exam.
- 4 Complete certification application.

## Senior Internal Corrosion Technologist Certification and Internal Corrosion for Pipelines Level 2 Course

The Senior Internal Corrosion Technologist should have a thorough understanding of electrochemical and corrosion principals, field testing, laboratory analysis, monitoring techniques, and mitigation strategies. They should also be capable of comprehensive environment assessments required to develop and manage internal corrosion control programs, have sufficient knowledge and experience to determine corrective action for high-level internal corrosion problems within a pipeline system, be able to implement internal corrosion integrity programs as directed, and be able to conduct and direct all phases of ICDA.

The course focuses on data interpretation, analysis, and integration, as well as criteria for determining corrective action for high-level internal corrosion problems within a pipeline system, will be covered in detail. Classroom instruction consists of lecture, group exercises, and cases studies.

**4 Day Course Component / 3.0 Continuing Education Units (CEUs)**

**English**

**In-Person and Virtual Offerings Worldwide**

**Certification Application Required**

**3 Year Renewal Term**



### Who Should Pursue & Attend:

Candidates will have a firm grasp of internal corrosion and assessment methods, including both direct and indirect methods. Successful candidates will also have knowledge of locating internal corrosion damage, system evaluation, and monitoring strategy and techniques.

The successful candidates will also understand internal corrosion mitigation methods, including selecting the appropriate methods, implementing these methods, and determining their effectiveness. Long-term integrity management and data integration is also important.



### Learning Objectives:

- Determine if internal corrosion exists by evaluating a set of criteria to identify and apply monitoring techniques such as:
  - o Corrosion coupons
  - o Electrical field mapping
  - o Ultrasonic testing
  - o Linear polarization and electrical resistance probes
  - o Hydrogen and microbiological monitoring

- Determine when mitigation is required and the appropriate mitigation methods to utilize including maintenance pigging, physical design changes, and operational modifications.



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks. A practical exam is administered at the end of the course. Successful completion of the exam is required to earn a certificate of completion.



### How To Achieve Certification:

- 1 Fulfill work experience and education requirements.
- 2 Successful completion of the Internal Corrosion for Pipelines Level 2 Course component of certification and completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 3 Schedule and take the written certification exam.
- 4 Complete certification application.



## Pipeline Corrosion Integrity Management (PCIM) Technician Certification

The Pipeline Corrosion Integrity Management (PCIM) Technician certification focuses on the implementation and/or management of an integrity program for a pipeline system. There is also a focus on remediation technology and field techniques for performing integrity assessments.

### Application and Exams

English and Spanish

Certification Application Required

3 Year Renewal Term



### Who Should Apply:

Those in the pipeline industry who have at least 2 years of experience, previously completed pipeline courses, and wish to further their career.



### How To Achieve Certification:

- 1 Fulfill work experience requirement.
- 2 Successful completion of the Internal Corrosion for Pipelines Level 1 Course and Pipeline Corrosion Assessment Field Techniques (P-CAFT) Course including the practical exams administered the last day of instruction. Also, completion of the Ethics for Corrosion Professional course or an equivalent training.
- 3 Complete certification application.
- 4 Schedule and take the written certification exams.





## Pipeline Corrosion Integrity Management (PCIM) Technologist Certification

The PCIM Technologist Certification focuses on implementation and management of an integrity management program for a pipeline system. The emphasis at this level is on integrity verification and maintenance optimization. Upon successful completion, a PCIM Technologist will possess the following skills and knowledge factors:

- Interpret integrity related data
- Perform an overall integrity assessment on a pipeline system
- Calculate and quantify risk
- Make recommendations to company management on risk management issues

### Application and Exams

English

Certification Application Required

3 Year Renewal Term



### Who Should Attend:

Those in the pipeline industry who have at least 2 years of experience, previously completed pipeline courses, and wish to further their career. It is recommended that they have experience in the Cathodic Protection field as well.



### How To Achieve Certification:

- 1 Fulfill work experience requirement.
- 2 Successful completion of the Direct Assessment Course, In-Line Inspection Course, and Pipeline Corrosion Integrity Management Course. Also, completion of the Ethics for the Corrosion Professional course or an equivalent training.
- 3 Complete certification application.
- 4 Schedule and take the written certification exams.





## Direct Assessment (DA) Course

The Direct Assessment (DA) course concentrates on internal, external, and stress corrosion cracking direct assessment, along with pre- and post-assessment, quality assurance, data analysis and integration, and remediation and mitigation activities. The course also covers the benefits and limitations of Direct Assessment, its relationship to an overall integrity assessment program and industry standards, regulations, and best practices.

The course is presented in a format of lecture, discussion, and group exercises.

**4 Day Course / 3.0 Continuing Education Units (CEUs)**

**English**

**In-Person and Online Offerings Available**



### Who Should Attend:

- Pipeline Integrity Managers
- Pipeline Implementation Managers
- Pipeline Maintenance and Optimization Personnel



### Why Attend – Benefits of Attending:

- After attending this course you will be able to:
- Describe DA and the relationship to an overall pipeline corrosion integrity management program
  - Recognize the benefits and limitations of DA
  - Recall standards related to DA
  - Differentiate DA from other pipeline integrity methods
  - Perform quality assurance
  - Establish corrosion rates
  - Explain responsibilities of the operator and/or service provider



### What this Course Covers:

- How DA relates to an overall corrosion integrity program
- Benefits and limitations of DA
- How to identify different types of DA
- Setting a baseline for corrosion rates



### Prerequisites:

No prior training or experience is required.





## In-Line Inspection (ILI) Course

The In-Line Inspection course covers the benefits of utilizing In-Line Inspection, selection of technologies related to operational parameters, operational issues, and evaluating data relevant to assessing fitness for service.

The course is presented in a format of lecture, discussion, and group exercises.

**4 Day Course / 3.0 Continuing Education Units (CEUs)**

**English**

**In-Person and Online Offerings Available**



### Who Should Attend:

Individuals responsible for implementation and/or management of an integrity program for a pipeline system with an emphasis on integrity verification and maintenance optimization.



### Learning Objectives:

- Collect data for used for the evaluation and monitoring of a pipeline corrosion integrity plan.
- Describe ILI and its relationship to overall integrity assessment.
- Recall relevant industry standards, regulations and best practices.
- Recognize the types of ILI technologies and the benefits and limitations of each.
- Select an appropriate ILI technology for a given situation.



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.



### Prerequisites:

No prior training or experience is required.



## Pipeline Coating Applicator (PCA) Course

The Pipeline Coating Applicator course covers the proper coating application procedures including understanding specifications, surface preparation, application techniques, dealing with changing ambient conditions, and quality control measures, for the most common coating materials to which contractors and inspectors are exposed to on pipeline projects.

Classroom instruction is comprised of lectures, discussions, and hands-on demonstrations in field conditions.

**5 Day Course / 3.8 Continuing Education units (CEUs)**

**English**

**Available In-House Upon Request**



### Who Should Attend:

Targeted to pipeline coating applicators, but will also benefit:

- Pipeline inspectors
- Foremen and supervisors
- Engineers-in-charge
- Manufacturer representatives
- Experienced coatings personnel



### Learning Objectives:

- Recognize the impact of external corrosion and the consequences of failure
- Describe the importance of surface preparation, including sand blast cleaning
- Explain how to avoid or control surface contamination and account for weather conditions
- Perform a proper heating of the substrate



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.



### Prerequisites:

No prior training or experience is required.





## Pipeline Corrosion Assessment Field Techniques (P-CAFT) Course

The Pipeline Corrosion Assessment Field Techniques course covers corrosion basic principles and theory, field techniques, direct assessment, in-line inspection and hydro testing techniques, indirect inspections, direct examination, safety and data documentation.

The course is presented in a format of lecture, discussion, group exercises. No hands-on training will be provided in this course.

**4 Day Course / 3.0 Continuing Education Units (CEUs)**

**English**

**In-Person Offerings Worldwide**



### Who Should Attend:

Designed for field personnel responsible for the implementation and reporting of pipeline inspection activities including:

- Maintenance
- Service
- Technical



### Learning Objectives:

- Collect data for used for the evaluation and monitoring of a pipeline corrosion integrity plan.
- Recognize pipeline anomalies.
- Recommend solutions for resolving technical issues “in the ditch.”
- Evaluate a pipeline in-service using ECDA and ICDA methods and techniques.
- Recognize problems “in the ditch” and be able to collect the data necessary for further engineering evaluation.



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion.

Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.



### Prerequisites:

No prior training or experience is required.



## Pipeline Corrosion Integrity Management (PCIM) Course

The Pipeline Corrosion Integrity Management (PCIM) course serves as the key training track for the PCIM professional who focuses on the implementation and management of an integrity program for a pipeline system. The course provides a comprehensive up-to-date coverage of the various aspects of time-dependent deterioration threats to liquid and gas pipeline systems and will focus on interpreting integrity related data, performing an overall integrity assessment on a pipeline system, calculating and quantifying risk, and making recommendations to company management on risk management issues.

Classroom instruction is comprised of lectures and discussions.

**4 Day Course / 3.0 Continuing Education Units (CEUs)**

**English**

**In-Person and Online Offerings Available**



### Who Should Attend:

Individuals responsible for implementation and/or management of an integrity program for a pipeline system with an emphasis on integrity verification and maintenance optimization.



### Learning Objectives:

- Interpret integrity related data.
- Select and perform an overall integrity assessment on a pipeline system.
- Describe remediation activities and repair methods.
- Perform threat identification and assessment.



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.



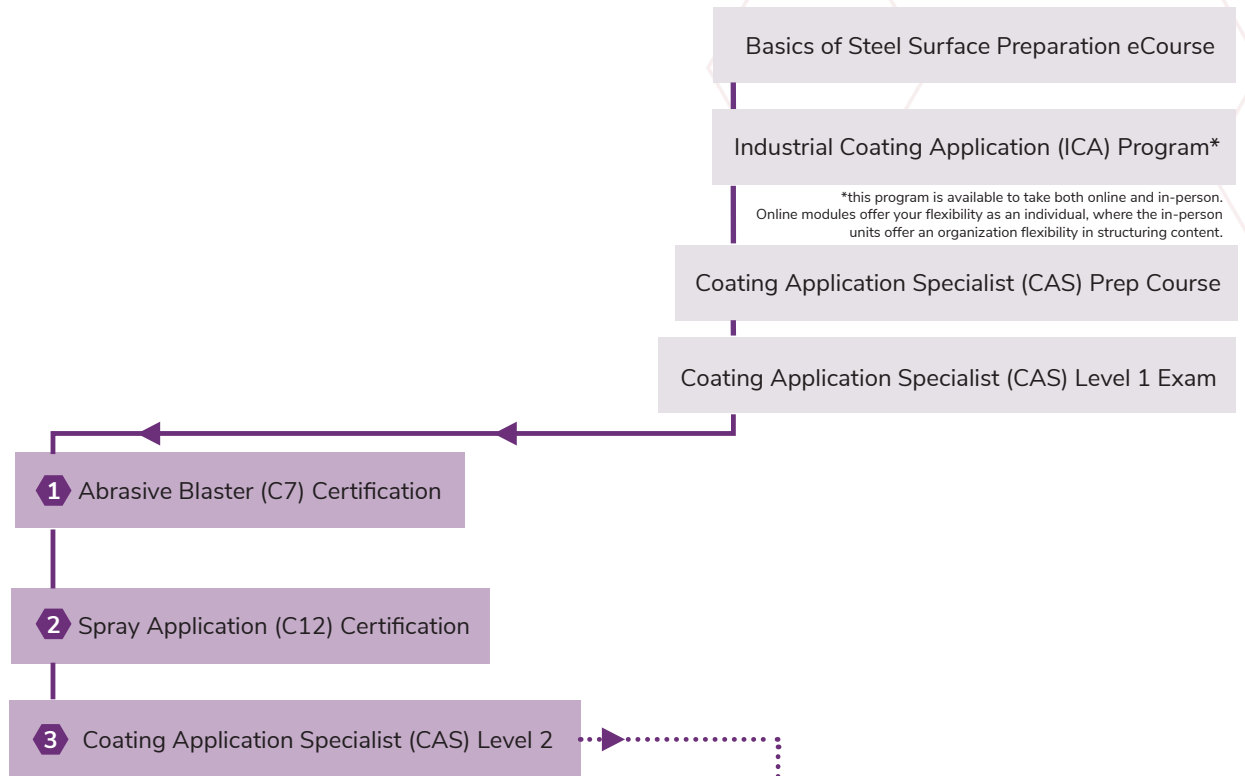
### Prerequisites:

No prior training or experience is required.

# Navigate a Career as a Coating Applicator or Blaster

Define your own path to success as you grow in experience and specialize as an industrial applicator or blaster.

## Start with Our Core Programs



## Specialize in an Industry, Substrate, or Asset

- Aerospace Coating Application Specialist (ACAS) Certification
- Concrete Coating Applicator (CCAS) Course
- Marine Plural Component (C14) Certification
- Surface Prep and Paint App for Power Tool Cleaning Operators and Brush and Roll Paint Applicators (C6)
- Waterjetting Certification (C13)
- Aerospace Engineer Coating Application Training Course
- Aerospace Maintainer Coating Application Training Course
- Concrete Coatings Basics eCourse
- Ground Vehicle Corrosion/Protective Coatings Course
- Intumescent Fireproofing Coating Application Specialist Course
- Lead Paint Worker Safety Course
- Pipeline Coating Application Course
- Plural Component Application for Polyurea & High Solid Coatings Course
- Thermal Spray Applicator Training Course
- Surface Prep & Paint for Shipboard Organizational Level Corrosion Control Course

Each of these courses and certifications have their own prerequisites, see their individual pages for more information.

Explore more career options with the Supervisor or Foreman Track

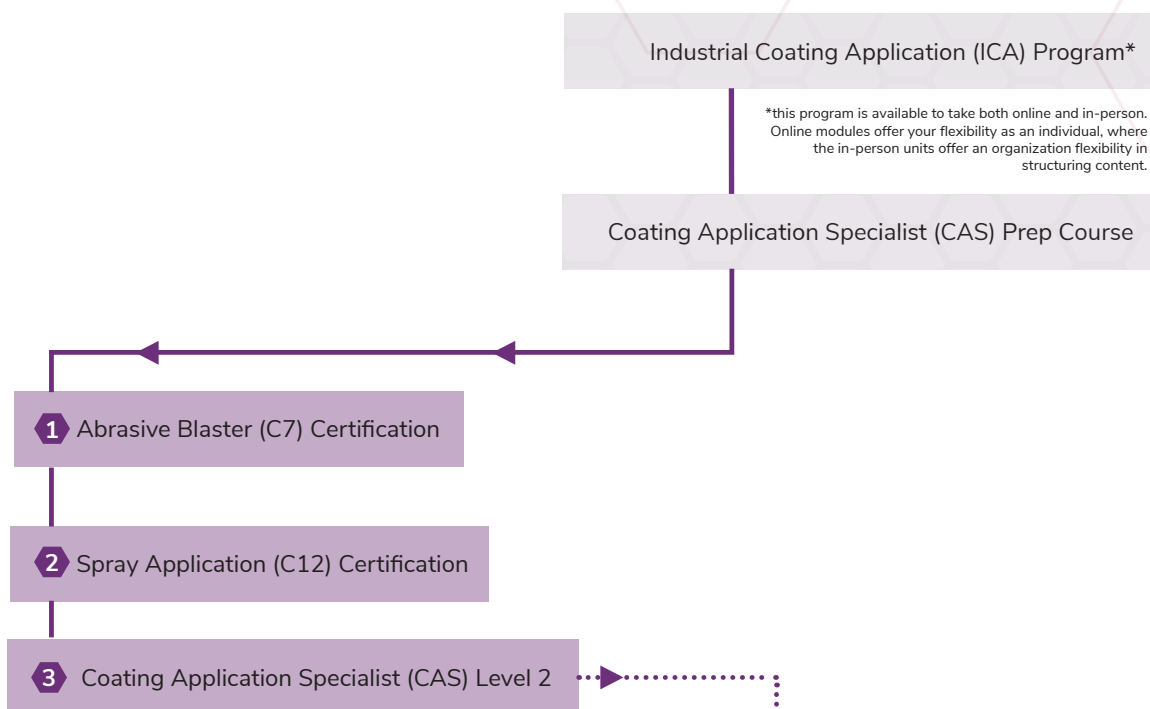
Please note: This is a suggested career pathway for those interested in an applicator or blaster role. This does not showcase exact prerequisites for courses or certifications nor does a student have to follow this exact pathway. Please see each page for specific details.



# Industrial Supervisor or Foreman Skillsets

Gaining skillsets to be successful in these fields can be difficult. We provide courses to help you navigate this career field and challenge you to expand your knowledge base.

## Start with Our Core Programs



## Increase Your Supervisor Skillsets

- Industrial Coating Safety Management Training (SAFETY) eCourse
- Math for the Coatings Professional eCourse
- Supervisor/Competent Person Training for Deleading and Hazardous Coatings Removal (C5) Refresher Course
- Supervisor/Competent Person Training for Deleading and Hazardous Coatings Removal (C3) Course
- Quality Control Supervisor eCourse (QCS)

Please note: This is a suggested career pathway for those interested in an industrial supervisor role. This does not showcase exact prerequisites for courses or certifications nor does a student have to follow this exact pathway. Please see each page for specific details.

## Abrasive Blaster Certification (C7)

C7 is designed for contractor personnel who wish to obtain certification, or others who wish to learn about blast cleaning of steel and nonferrous surfaces. It covers principles of surface preparation, surface cleanliness, surface profile, dust and debris control, and abrasives.

**3 Day Program / 1.5 Continuing Education Units (CEUs)**

**English**

**In-Person Offerings Worldwide**

**5 Year Renewal Term**



### Who Should Pursue & Attend:

- Painting contractors
- Paint applicators and blasters
- Facility owners
- Contractor personnel who wish to obtain certification



### Why Attend – Benefits Of Attending:

After attending this course, you should be able to:

- Recognize the basic principles of surface preparation
- Identify proper blast cleaning equipment setup and abrasives used
- Demonstrate proper blast cleaning technique to achieve certification



### What This Course Covers:

- Principles of surface preparation
- Nozzle abrasive blast cleaning systems (with hands-on session)
- Wet abrasive blast cleaning systems (with hands-on session)
- Abrasives



### How To Achieve Certification:

- 1 Fulfill work experience requirements.
- 2 Enroll in the C7 Course.
- 3 Ensure all prerequisite forms are returned to AMPP.
- 4 Complete in-course exams.



## Aerospace Coating Application Specialist Certification (ACAS)

The Aerospace Coating Application Specialist Certification Program is designed to certify those individual craft workers who have experience and training in all aspects of hands-on surface preparation and coating application to surfaces of aircraft structures, according to the requirements of the Aerospace Coating Application Specialist (ACAS) Program.

2 Day Program / 1.5 Continuing Education Units (CEUs)

English

In-Person Offerings in United States

5 Year Renewal Term



### Who Should Pursue & Attend:

Facility owners, contractors, certifying agencies may use this program for certification of application specialists for other substrates or conditions, as considered appropriate.



### Why Attend – Benefits Of Attending:

- Operate plural component pumps.
- Explain plural component operations.
- Assess troubleshooting cases.



### What This Course Covers:

- Fundamentals of the process of spraying two component coatings using airless plural component spray pumps (e.g., material ratio, material viscosity, mixing, ambient conditions for application and curing, product data sheets, material safety data sheets, spray technique).
- Equipment operation.



### How To Achieve Certification:

- 1 Fulfill work experience requirements.
- 2 Enroll in the ACAS Course.
- 3 Ensure all prerequisite forms are returned to AMPP.
- 4 Complete in-course exams.





## Certified Coating Applicator (CCA)

The Certified Coating Applicator certification (CCA) is designed for experienced industrial coatings applicators. By achieving the CCA certification, candidates will have a formal, industry recognized certification demonstrating their skills and knowledge to customers and employers.

Exam only

English

3 Year Renewal Term



### Who Should Apply:

The CCA certification is intended for an experienced industrial coatings applicator who is able to work independently. A candidate should have knowledge and experience in surface preparation, cleanliness, environmental conditions, coating mixtures, coating application, and safety.



### How To Achieve Certification:

- 1 Register for a CCA Exam
- 2 Complete the written exam
- 3 Complete the practical exam



## Coating Application Specialist (CAS) Prep Course

The Coating Application Specialist® – Preparation (formerly CAS – Refresher) is an overview of surface preparation and application covered in the “Body of Knowledge” of SSPC-ACS 1/NACE No. 13 Applicator Certification Standard No. 1, “Industrial Coating and Lining Application Specialist Qualification and Certification.” This training program covers those topics for Level 1 in the areas of surface preparation and coating application. Level 1 training is especially designed for entry-level employees new to the coatings industry.

1 Day Course / 0.8 Continuing Education Units (CEUs)

English

In-Person Offerings Worldwide



### Who Should Attend:

- Painting contractors
- Paint applicators
- Facility owner personnel
- Contractor personnel who wish to obtain certification



### Why Attend – Benefits of Attending:

This course is a great way to prepare candidates for the CAS Level 1 and Level 2 Exams. The CAS Prep course helps those wanting to achieve certification and have experience and training in all aspects of surface preparation and coating application of complex industrial and marine structures.



### What This Course Covers:

- Fundamentals of corrosion
- Corrosion control
- Mechanical cleaning methods
- Abrasive blast cleaning
- Waterjetting and alternate surface preparation
- Surface preparation method selection
- Coating systems
- Coating application



### Prerequisites:

No prior training or experience is required





## Coating Application Specialist (CAS) Level 1 Exam

CAS Level I qualification is intended for entry-level/trainee Application Specialists. CAS Level 1 Application Specialists customarily work with and under the supervision of a Level 2 Coating Application Specialists. This part of the CAS program consists of a one-hour written exam.

### 1 Hour In-Person Exam

English

In-Person Offerings Worldwide



### Who Should Pursue:

- Painting contractors
- Paint applicators
- Facility owner personnel
- Contractor personnel who wish to obtain certification



### Why Attend – Benefits of Attending:

The Coating Application Specialist® Certification Program is designed to certify those individual craft workers who have experience and training in all aspects of hands-on surface preparation and coating application of complex industrial and marine structures, according to the requirements of the Coating Application Specialist (CAS) Program. This certification program also meets the requirements of ISO 17024. Facility owners, contractors, or certifying agencies may use this program for certification of Application Specialists for other substrates or conditions, as considered appropriate.

After successful completion of CAS Level 1, it is encouraged to look into registering for a CAS Level 2 certification exam.



### What This Exam Covers:

- Competent Person requirements
- Health effects / OSHA health standards
- EPA regulations
- Overview of containment and ventilation
- Regulatory update



### Prerequisites:

No prior training or experience is required





## Coating Application Specialist (CAS) Level 2 Certification

CAS Level 2 certification is for experienced Application Specialists. CAS Level 2 Application Specialists have extensive field experience and can supervise Level 1 Coating Application Specialists.

**4 Hour In-Person Exam**

**English**

**In-Person Offerings Worldwide**

**3 Year Renewal Term**



### Who Should Pursue & Attend:

- Painting contractors
- Paint applicators
- Facility owner personnel
- Contractor personnel who wish to obtain certification



### Why Attend – Benefits of Attending:

The Coating Application Specialist® Certification Program is designed to certify those individual applicators who have experience and training in all aspects of hands-on surface preparation and coating application of complex industrial and marine structures, according to the requirements of the Coating Application Specialist (CAS) Program. This certification program also meets the requirements of ISO 17024. Facility owners, contractors, or certifying agencies may use this program for certification of Application Specialists for other substrates or conditions, as considered appropriate.



### How to Achieve Certification:

- 1 Register for a CAS Level 2 Exam.
- 2 Ensure all prerequisite forms are filled out and returned to AMPP.
- 3 Complete the CAS Level 2 Program including written and practical exams administered in classroom.





## Coating Applicator Examiner Qualification

As an examiner you have the opportunity to apply your experience to ensure that candidates who become certified possess the requisite skills to perform coating work that protects assets from corrosion and helps to ensure a successful career for the certification holder.

**Application, Exam, and Training**  
English



### Who Should Apply:

Seasoned coatings professionals with experience in both the application and inspection of industrial coatings are excellent candidates for the coating applicator examiner qualification. This qualification provides the unique opportunity to make sure coating applicator candidates are equipped to be successful in the field and use proper techniques and safety procedures while extending the life of assets.



### Application Procedure:

An application should be submitted prior to taking the exam to allow time for AMPP to verify work experience requirements.



### How to Achieve Certification:

- 1 Work experience and education requirements.
- 2 Hold an active Basic Coatings Inspector Certification and an active Coating Applicator Certification.
- 3 Successful completion of the Examiner Training.





## Marine Plural Component (C14) Certification

This course is designed to certify craft workers operating plural component spray equipment and those applying protective coatings on steel in immersion service by airless spray using plural component spray equipment.

2 Day Program / 1.5 Continuing Education Units (CEUs)

English

In-Person Offerings Worldwide

4 Year Renewal Term



### Who Should Pursue/Apply/Attend:

Contractors, project supervisors, and craftworkers involved in applying plural component technology.



### Why Attend – Benefits of Attending:

After attending this course, you should be able to:

- Discuss the advantages of plural component spray technology.
- Describe a two-part, high solids epoxy.
- Recognize the importance of when and how coatings are mixed on a plural-component spray pump.
- Distinguish among the various methods of mixing: manual, at the gun, before the manifold, and after the manifold.



### What this Certification Covers:

- Introduction to and overview of plural component equipment operational systems
- Troubleshooting
- Characteristics of plural component coatings
- Group exercise
- Brush and roll



### How to Achieve Certification:

- 1 Fulfill work experience requirements.
- 2 Enroll in the C14 Course.
- 3 Ensure all prerequisite forms are returned to AMPP.
- 4 Complete in-course exams.





## Plural Component Application for Polyureas and High Solid Coatings (PLURAL) Level 1/2 Certification

This course is designed to train and certify applicators in the application of protective coatings by airless spray using plural component spray equipment. The program focus is on the application of two component high solids, polyurethanes, and polyurea coatings in a marine/industrial environment on steel or concrete.

The level 1 portion of the course contains an instructional component as well as a written exam. Level 2 will require students to take an additional hands-on exam to gain their certification.

3 Day Course / Level 1 - 16 Professional Development Hours (PDHs) Level 2 - 8 PDHs  
English  
5 Year Renewal Term



### Who Should Attend:

- Contractors, project supervisors, and craftworkers involved in applying plural component technology.



### Why Attend - Benefits of Attending:

After attending this course, you should be able to:

- Discuss the advantages of plural component spray technology
- Describe a two component high solid, polyurethane, and polyurea protective coating
- Recognize the importance of when and how coatings are mixed on a plural component spray pump
- Distinguish among the various methods of mixing: manual, at the gun, and after the manifold
- Apply plural component coatings to concrete and steel in a manner that meets the requirements of a given job specification



### How to Achieve Certification:

- 1 Fulfill work experience requirements.
- 2 Enroll in the PLURAL Course.
- 3 Ensure all prerequisite forms are returned to AMPP.
- 4 Complete in-course exams.



## Spray Application Certification (C12)

This program assesses the skills of sprayers who have a minimum of 800 hours applying protective coatings with airless/conventional spray in an industrial or marine environment. Candidates are certified through a brief, written certification exam and a practical, hands-on skill assessment. This course is designed to train and certify marine/industrial applicators to operate airless/conventional spray equipment.

3 Day Program / 1.5 Continuing Education Units (CEUs)

English

In-Person Offerings Worldwide

3 Year Renewal Term



### Who Should Pursue/Apply/Attend:

- Painting contractors
- Paint applicators
- Facility owners
- Contractor personnel who wish to obtain certification



### Why Attend – Benefits of Attending:

After attending this course, you should be able to:

- Discuss the advantages of airless/conventional spray technology
- Recognize the importance of when and how coatings are mixed prior to airless/conventional spray
- Apply airless/conventional spray coatings to steel and concrete to meet the requirements of a given job specification



### What this Certification Covers:

- Introduction/overview of airless/conventional spray equipment operational systems
- Proper mixing techniques
- Proper spray techniques
- Conventional spray (optional)
- Troubleshooting



### How to Achieve Certification:

- 1 Fulfill work experience requirements.
- 2 Enroll in the C12 Course.
- 3 Ensure all prerequisite forms are returned to AMPP.
- 4 Complete in-course exams.





## Surface Preparation and Paint Application for Power Tool Cleaning Operators and Brush and Roll Paint Applicators (C6) Certification

This course is designed to instruct industrial/marine painters in proper hand and power tool surface preparation methods and brush and roller coating application, in accordance with good paint practice.

2 Day Program / 0.7 Continuing Education Units (CEUs)

English

In-Person Offerings Worldwide

5 Year Renewal Term



### Who Should Pursue & Attend:

Personnel who must learn the proper hand and power tool surface preparation methods and brush and roller coating application methods for coating application on steel and metal structures and their components.



### Why Attend – Benefits of Attending:

After attending this course, you should be able to:

- Explain how paint/coatings are used to control corrosion.
- Recognize the tools and methods described in the SSPC standards and Good Painting Practice (Vol 1) for hand-and power-tool cleaning.
- Demonstrate proper brush and roll application.
- Demonstrate proper use of the wet film thickness gage to measure film thickness after brush and roll application.



### What this Certification Covers:

- Corrosion basics
- Corrosion control process
- Solvent cleaning
- Hand-tool cleaning to SSPC-SP 2
- Power-tool cleaning to SSPC-SP 3, 11, and 15
- Assessing surface cleanliness according to SSPC-VIS 3



### How to Achieve Certification:

- 1 Fulfill work experience requirement.
- 2 Successful completion of the C6 Certification Program including the practical and written exams administered the last day of instruction.
- 3 Ensure all prerequisite forms are filled out and returned to AMPP



## Waterjetting Certification (C13)

This program assesses the skills of waterjetters who have a minimum of 120 hours waterjetting work experience and prior documented employer-provided training on the waterjetting equipment they use on the job. Candidates are certified through a brief, written exam and a practical, hands-on skill assessment. This is not a training program for beginners. It is a certification program for waterjetters meeting specific experience requirements.

**2 Day Program / 0.6 Continuing Education Units (CEUs)**

**English**

**In-Person Offerings Worldwide**

**5 Year Renewal Term**



### Who Should Pursue & Attend:

Personnel who must learn the proper hand and power tool surface preparation methods and brush and roller coating application methods for coating application on steel and metal structures and their components.



### Why Attend – Benefits of Attending:

After attending this course, you should be able to:

- Describe the purpose of surface preparation and what it includes
- List the PPE required for waterjetting
- Discuss how tailgate meetings improve job safety
- Identify the components of the waterjetting system
- Using SSPC-VIS 4/NACE-VIS 7, determine the initial condition of a surface and assess the level of cleanliness
- Using SSPC/NACE Waterjet Standard levels, demonstrate ability to achieve the level of waterjet cleanliness required for a given job



### What this Certification Covers:

- Surface preparation overview
- Basic safety awareness overview
- Equipment and productivity
- Review of waterjet cleaning to SSPC/NACE Waterjet Standard levels and use of SSPC-VIS 4/NACE-VIS 7
- Review of wet abrasive blasting if needed



### How to Achieve Certification:

1. Meet work experience requirement.
2. Successful completion of the Waterjetting Course component of certification including the written and practical exams administered the last day of instruction.
3. Ensure all prerequisite forms are filled out and returned to AMPP.



## Aerospace Engineer Coatings Application (AERO ENG) Training Course

The objective of this course is to support corrosion prevention and control during the lifecycle of the Department of Defense systems. The course familiarizes engineers with corrosion mitigation, coating application, and inspection practices through multiple workshops and problem-solving exercises.

4 Day Course / 3.0 Continuing Education Units (CEUs)  
English  
In-Person Offerings Worldwide



### Who Should Attend:

Aerospace engineers involved with corrosion mitigation, coating application, and inspection should take this course.



### Why Attend – Benefits of Attending:

After attending this course you will be able to:

- Recognize those military documents and specifications used in corrosion control of aircraft.
- Identify the coatings applied to aircraft.
- Define the performance properties needed to qualify, validate, and verify coatings for aircraft.
- Identify coating defects and failures and define methods for prevention and repair.
- Define the requirements of a proper inspection method.



### What this Course Covers:

- Applicable military documents
- Corrosion control and basics
- Surface preparation
- Coating qualification, validation, and verification
- Coating types and application



### Prerequisites:

No prior training or experience is required.



## Aerospace Maintainer Coating Application (AERO MAIN) Training Course

The objective of this course is to support corrosion prevention and control during the sustainment life cycle of the Department of Defense systems. The course familiarizes aerospace maintainers with corrosion mitigation and coating application practices through multiple workshops and problem-solving exercises.

3 Day Course / 2.3 Continuing Education Units (CEUs)

English

In-Person Offerings Worldwide



### Who Should Attend:

Service men and women who perform maintenance and repair work on military aircraft.



### Why Attend – Benefits of Attending:

After attending this course you will be able to:

- Define common types of corrosion.
- Recognize how the environment contributes to corrosion.
- Explain how the selection of materials can impact the extent of corrosion.
- Describe how a coating protects aircraft.
- Identify specific information on the manufacturer's product data sheet (PDS) and safety data sheet (SDS).



### What this Course Covers:

- Corrosion basics and control
- Safety
- Surface preparation
- Coating types and application



### Prerequisites:

No prior training or experience is required.





## Basics of Steel Surface Preparation eCourse

This 90-minute course presents at a high-level the surface preparation process for steel with an overview of hand and power-tool cleaning, dry abrasive blasting and waterjetting as well as the associated standards referenced when these methods are used to prepare steel for the application of protective coatings.

90 minutes/ 2 Professional Development Hours (PDHs)

English

Online only eCourse



### Who Should Attend:

CIP participants seeking to expand their knowledge of bridge coating inspection. Other candidates for this course may include:

- Anyone new to the coatings or inspection industries
- Program/project managers and engineers
- Quality assurance/control managers
- Contractors and specification writers
- Maintenance personnel or blasters



### Learning Objectives:

- Explain the purpose, importance, and steps of the surface preparation process.
- Summarize how contaminants, environmental conditions, surface defects and abrasive media affect surface preparation.
- Identify the initial condition of the steel and level of cleanliness using written standards and visual guides.
- Describe the advantages and disadvantages along with the tools, and equipment associated with hand and power tool cleaning, dry abrasive blasting and waterjetting.



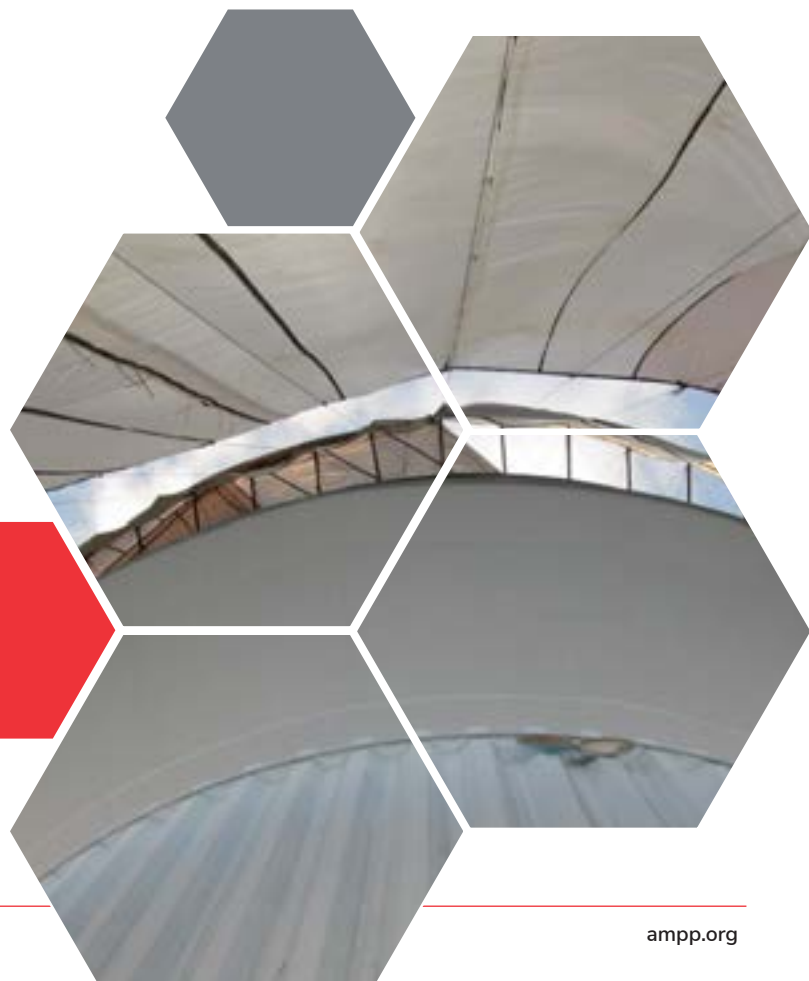
### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.



### Prerequisites:

No prior training or experience is required.





## Concrete Coating Applicator Specialist (CCAS) Course

This course provides a comprehensive overview and practical hands-on training for craft worker personnel who wish to be trained and certified in the application of coatings on concrete surfaces. This course offers hands-on exercises that focus on repair of deteriorated concrete, surface preparation of concrete, and coating application of concrete. After the completion of this training course, craft worker personnel should be able to demonstrate proper preparation and coating application methods on concrete coating projects.

4 Day Course / 3.0 Continuing Education Units (CEUs)

English

In-Person Offerings Worldwide



### Who Should Attend:

Coating applicators who are responsible for coating application on concrete structures should attend this course.



### Why Attend – Benefits of Attending:

After attending this course you will be able to:

- Describe common hazards involved in coating concrete operations.
- Explain the role quality control, quality assurance, and coating inspection personnel play during typical concrete coating operations.
- Identify the different components of concrete.
- Describe moisture vapor transmission and its effect on coating application.



### What this Course Covers:

- General health and safety for coating concrete
- Role of quality personnel in concrete coating applications
- Concrete composition and durability
- Concrete assessment prior to coating application
- Repairing concrete prior to coating application



### Prerequisites:

No prior training or experience is required.





## Corrosion Prevention & Control (CPC) Management eCourse

CPC planning is the most efficient method for effectively addressing and reducing the impact of corrosion at every stage of a product or facility's lifecycle. This eCourse walks through the NACE SP21412-2016/SSPC-CPC 1 standard, diving into the key aspects of CPC planning for products and facilities. It covers: attributes that impact CPC planning; considerations for material selection and design to minimize corrosion; and items that should be addressed in CPC planning which affect CPC in design, fabrication and construction, operation and use, and maintenance and sustainability.

2 Hours / 2 Professional Development Hours (PDHs)

English

Online only eCourse



### Who Should Attend:

Anyone who is responsible for developing corrosion prevention and control policies or plans, including:

- Public and private facility owners
- Managers
- Technicians
- Suppliers
- Inspectors
- Procurement officers
- Project managers



### Learning Objectives:

- Understand the mechanisms of corrosion
- Understand the costs of corrosion across industry
- Recognize the importance of corrosion prevention and control planning
- Recognize the purpose of the CPC planning standard



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks. All certification and renewal applicants will be required to complete the Ethics for the Corrosion Professional eCourse OR an equivalent training and provide proof of completion as part of the certification application or renewal process.



### Prerequisites:

No prior training or experience is required.



## Concrete Coating Basics eCourse (CCB)

With double the lifespan of other building materials, concrete is widely considered to be the most popular building material because of its strength, durability, low cost and versatility. Concrete Coating Basics covers topics that include concrete condition assessment, joint and crack repair, concrete coating types as well as an overview of surface preparation, application, and post installation guidelines for quality.

This 8-hour, fully responsive, online course contains eight (8) core content modules with downloadable job aids, learning activities, and knowledge check questions throughout each module.

**8 Hours / 8 Professional Development Hours (PDHs)**

English

Online only eCourse



### Who Should Attend:

From applicator to engineer, this eCourse is designed to benefit all individuals in the concrete coating industry including:

- Supervisors, foreman and managers
- Contractors and field personnel
- Specifiers, engineers and inspectors
- Technical representatives
- Material and equipment suppliers



### Learning Objectives:

- State the basic components and properties of concrete.
- Describe how concrete is placed and cured.
- Explain the physical and chemical mechanisms of concrete degradation.
- Identify common concrete defects.
- Recall how concrete commonly deteriorates.
- Explain the most commonly used coating systems used on concrete substrates.



### Course Completion:

To receive a training Certificate of Completion and professional development hours (PDHs) students must successfully complete the entire course, including each learning activity. All certification and renewal applicants will be required to complete the AMPP ethics training program OR an equivalent training and provide proof of completion as part of the certification application or renewal process. Upon successful completion of the end of module assessment, students will receive a printable certificate of completion and 8 PDHs.



### Prerequisites:

No prior training or experience is required.





## Ground Vehicle Corrosion / Protective Coatings Course (GROUND VEH)

This course provides a comprehensive overview for army depot personnel who wish to be trained on how to properly prepare and apply coatings on ferrous and non-ferrous metals. The course will offer demonstrations that focus on hand and power tool cleaning, abrasive blast cleaning, and coating application. After the completion of this training course, depot worker personnel should be able to demonstrate proper preparation and coating application methods commonly used on ferrous and non-ferrous metals.

5 Day Course / 3.8 Continuing Education Units (CEUs)

English

In-Person Offerings Worldwide



### Who Should Attend:

Depot workers who are responsible for surface preparation and coating application on ferrous and non-ferrous metals.



### Why Attend – Benefits of Attending:

After attending this course you will be able to:

- Explain how paint/coatings are used to control corrosion
- Recognize the various surface cleanliness standards commonly used for abrasive blast cleaning
- Identify the requirements of SSPC-SP 2
- Identify commonly used power tools used to clean steel/metal
- Identify the key safety concerns prior to and during abrasive blast cleaning
- Identify how the air compressor, air drying equipment, and air hoses function within the larger abrasive blast cleaning equipment set-up



### What this Course Covers:

- Corrosion basics
- Principles of surface preparation
- Hand and power tool cleaning
- Abrasive blast cleaning overview
- Abrasive blast cleaning equipment



### Prerequisites:

No prior training or experience is required.



## Industrial Coating Application (ICA) Online Program

The coatings industry is a highly technical field that requires skilled personnel to perform quality surface preparation and protective coatings application. The Industrial Coating Application Online Program is a comprehensive training program based on the NACE No. 13/SSPC-ACS-1 standard that sets the criteria for a qualified workforce that can meet contractors' and facility owners' need for consistent, quality work completed accurately, safely, and at a reasonable cost.

The eCourse features engaging slides, short quizzes, and downloadable resources that can be used on the job.

This one-of-a-kind program is designed to allow you to pick and choose which modules you'd like to take. See below for more information on what each module covers.



### Who is the ICA Program for?

This must-take, interactive program is designed for anyone new to the coatings industry, as well as safety directors, contractors, foremen, supervisors, applicators, and inspectors.

There are no prerequisites for the ICA program or any of its modules.



### Module 1: Safety Codes, Practices & Standards

18 hours • 18 PDHs

Learn general safety guidelines, whether you're working in the field or shop environments. Get familiarized with recognized safe work practices based on industry standards.

#### What this module covers:

- Personal protective equipment (PPE)
- Fall protection
- Confined space and ventilation
- HAZCOM and safety data sheets (SDS)
- Respiratory protection



### Module 2: Process Control

3.5 hours • 3.5 PDHs

Understand the planning process, which includes written procedures used to maintain consistency and quality from job to job, needed for industrial coatings projects to be successful.

#### What this module covers:

- Work planning
- Process control
- Product data sheets (PDS)
- Safety data sheets (SDS)



### Module 3: Surface Preparation

13 hours • 13 PDHs

Review surface preparation equipment, methods, and standards that will help ensure the coatings' designed lifecycle is maximized.

#### What this module covers:

- Surface preparation fundamentals
- Hand and power tools
- Abrasive blasting types and equipment
- Concrete surface preparation
- Waterjetting



### Module 4: Liquid Coating Application

15 hours • 15 PDHs

Explore the use of industrial coatings, types of coatings, the most common methods of applying industrial coatings and the factors affecting application.

#### What this module covers:

- Types of coatings
- Curing mechanisms
- Mixing and thinning
- Application equipment and techniques
- Measurement, monitoring, and storage

## Industrial Coating Safety Management Training eCourse (SAFETY)

This 5-hour online course focuses on the role and responsibilities of a competent person in industrial coating operations' safety and health programs. This eCourse will cover risk management methods, common coating occupational hazards, impairment monitoring, handling workplace accidents and effective disciplinary action, types of insurance, determining the Experience Modifier Rate (EMR), and preparing a job hazard analysis (JHA). Discover new ways to engage employees while managing safety, health, and environmental risks in industrial painting operations.

This course includes downloadable job aids, learning activities, and knowledge check questions throughout each module.

**5 Hours / 0.8 Continuing Education Units (CEUs)**

**English**

**Online only eCourse**



### Who Should Attend:

Individuals responsible for the development, implementation and/or management of an Industrial Painting Contractor's Safety and Health Program at both the corporate and site-specific levels.



### Learning Objectives:

- Describe the role of the Safety Director/Manager in industrial coating operations
- Explain the difference between a contractor's Corporate Safety Manual and a job-specific Safety Plan
- Recognize, evaluate and control hazardous chemicals in industrial coating operations
- Recognize, evaluate and control occupational hazards in industrial coating operations
- Analyze accident reports and the implementation of various prevention methods
- Explain the implementation of a site-specific safety and health plan by the on-site competent person



### Course Completion:

To receive a training Certificate of Completion and professional development hours (PDHs) students must successfully complete the entire course, including all workshops and knowledge checks.



### Prerequisites:

No prior training or experience is required.

## Intumescent Fireproofing Coating Application Specialist (FIRE APP) Course

This course is designed to provide basic, non-product specific, training to industrial applicators on the fundamentals of applying intumescent coatings for the purpose of passive fire protection. In addition to classroom learning and workshops, attendees will participate in hands-on application workshops throughout the course.

2.5 Day Course / 1.9 Continuing Education Units (CEUs)

English

In-Person Offerings Worldwide



### Who Should Attend:

Coating applicators and other personnel who are responsible for the application of intumescent fireproofing coatings should attend this course. It is recommended that attendees have an C12 or CAS certification or at least 3-5 years of experience with spray application of liquid protective coatings.



### Prerequisites:

No prior training or experience is required.



### Why Attend – Benefits Of Attending:

After attending this course you will be able to:

- Identify the different types of fire protection and fire protection materials.
- Recognize how different types of fires affect steel.
- Explain how intumescent coatings work.
- Describe the differences between thin and thick film intumescent coatings.
- Recognize requirements and guidelines stated in key technical documents.



### What This Course Covers:

- Basics of Fire Protection
- Intumescent Coatings
- Key Documents
- Surface Preparation
- Application
- Quality Control





## Lead Paint Worker Safety Course

This 1-day course provides training for workers on lead paint abatement and removal from steel structures. It starts with a review of basic information about lead and the human health hazards associated with it. The course continues with a review of 29 CFR 1926.62 and presents detailed information on the Respiratory Protection Standard (29 CFR 1910.134), that is incorporated by reference into the OSHA Interim Final Lead in Construction Industry Standard. The course then presents a review and update of Federal Government regulations involving lead, focusing on regulations promulgated by EPA. The course concludes with a review of control over emissions as presented in SSPC-Guide 6.

**1 Day / 5.0 Professional Development Hours (PDHs)**

**English**

**In-Person Offerings Worldwide**



### Who Should Attend:

Those assigned worker duties on any industrial deleading project who are: coatings inspectors who document contractor compliance, project managers and coating specifiers, containment superintendents, and design engineers.



### Why Attend – Benefits of Attending:

- After attending this course you will be able to:
- Describe the fundamentals of the OSHA Lead in Construction and Respiratory Protection Standards.
  - Discuss the fundamentals of applicable environmental protection regulations and best practices.
  - Recognize the hazards of exposure and appropriate ways to protect yourself from exposure during lead paint removal operations.



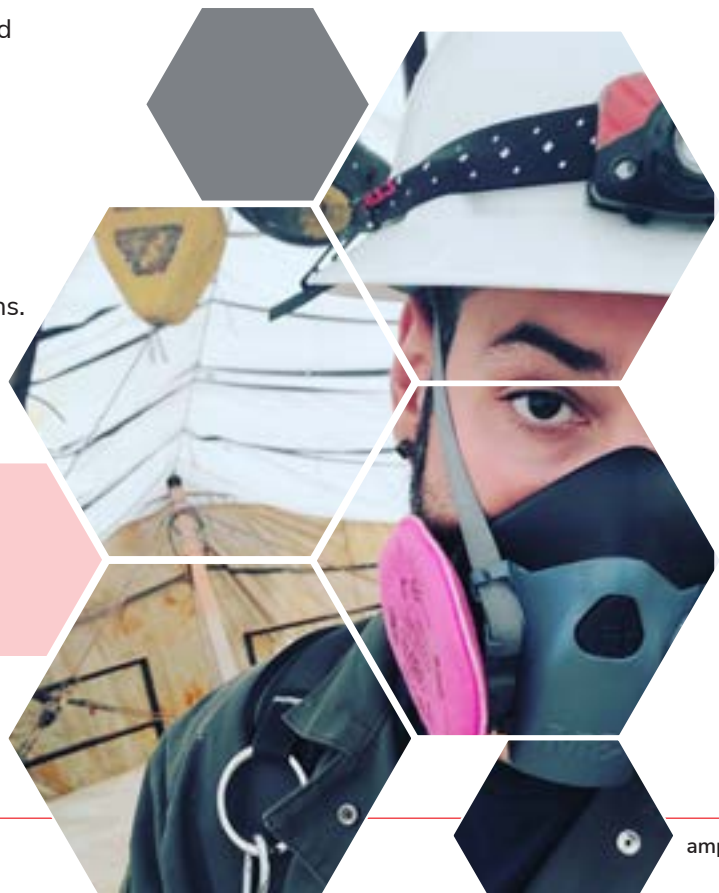
### What This Course Covers:

- Background information
- Worker protection from lead & other toxic metals
- Regulatory update
- Control of environmental releases



### Prerequisites:

No prior training or experience is required.





## Math for the Coatings Professional eCourse

Choose between imperial and metric versions (or do both!) to brush up on critical math skills needed to succeed in the coatings industry. By understanding essential functions and calculations, you'll be better able to do quick math in your head and perform tasks more accurately.

6 Hours / 6 Professional Development Hours (PDHs)

English

Online only eCourse



### Who Should Attend:

Anyone in the coating inspection industry who needs to understand the calculations and mathematical functions involved when working with coatings. The course is offer in both imperial and metric principles.



### Learning Objectives:

- Lesson 1: Math Principles (decimals, fractions, percentages, exponents, order of operations, etc.)
- Lesson 2: Basic Coating Calculations (area, volume, etc.)
- Lesson 3: Advanced Coating Calculations (theoretical and practical coverage, DFT, WFT, adding thinner)
- Lesson 4: On the Job Calculations (real-life scenarios)



### Course Completion:

Successful completion of the course is required to earn a certificate of course completion. Requirements are specific to each course and may include a combination of attendance, daily assessments, activities, quizzes, or knowledge checks.



### Prerequisites:

No prior training or experience is required.





## Quality Control Supervisor eCourse (QCS)

AMPP's Quality Control Supervisor (QCS) Course is a 10-hour interactive course, for the First-Line Supervisor. Maintaining the quality of the work performed during a coating project is central to its success. This course provides an overview of coatings project development and what policies, procedures and processes are necessary to achieve organization/ project objectives and prevent nonconformances.

The course includes workshop activities include interpreting the project specification and product data sheet information, developing a work plan and inspection plan, and reviewing inspection reports.

**10 Hours / 10 Professional Development Hours (PDHs)**

**English**

**Online only eCourse**



### Who Should Attend:

- Project managers, coating specifiers, contracting officers, plant and facility managers, coating inspectors, and technical service representatives in the industrial and marine coatings industry.
- SSPC (AMPP) Certified contractor personnel
- Technical Quality Managers (TQM), and inspectors employed by SSPC-QP 5 inspection firms.



### Learning Objectives:

- After attending this course, you will be able to:
- Explain the role and responsibilities of quality control supervisors within the quality management system.
  - Describe the purpose and different types of policies, processes and procedures typically contained within a quality control manual.
  - Explain how the quality control supervisor qualifies, trains, and assesses workers.
  - State the technical resources a contractor, the QCS and QC inspector should have on-hand both in the office and at the job site.



### Course Completion:

To receive a training Certificate of Completion and professional development hours (PDHs) students must successfully complete the entire course, including all workshops and knowledge checks.



### Prerequisites:

No prior training or experience is required.



## Surface Preparation & Paint Application for Shipboard Organizational Level Corrosion Control (SHIPBOARD) Course

The objective of this course is to support corrosion prevention and control during the lifecycle of the Department of Defense systems. The course familiarizes engineers with corrosion mitigation, coating application, and inspection practices through multiple workshops and problem-solving exercises.

2 Day Course | 0.7 Continuing Education Units (CEUs)

English

In-Person Offerings in United States



### Who Should Attend:

Personnel who must learn the proper hand and power tool surface preparation methods and brush and roller coating application methods for ships.



### Why Attend – Benefits Of Attending:

After attending this course you will be able to:

- Explain how paint/coatings are used to control corrosion.
- Recognize that NSTM 631 contains the instructions, requirements, and information for prevention of corrosion and deterioration of ships.
- Recognize the tools and methods described in the SSPC standards for hand-and power-tool cleaning.
- Recognize the demands of the environment on a coating.



### What This Course Covers:

- Corrosion basics
- Corrosion control process
- Solvent cleaning
- Applicable NSTM chapter 631 requirements
- Hand-tool cleaning to SSPC-SP 2
- Power-tool cleaning to SSPC-SP 3, 11, and 15
- Assessing surface cleanliness according to SSPC-VIS 3



## Supervisor/Competent Person Training for Deleading and Hazardous Coatings Removal (C3) Course

C3 contains specific discussions on protecting workers, compliance with environmental regulations, proper management of waste streams, operations that result in potential exposures to lead and other hazards, and associated control technology. It includes background information on the hazards of lead and other toxic metals as well as a review of the current legal and regulatory issues. The course also addresses developing programs to effectively control risks to workers, the public, and the environment.

4 Day Course / 3.0 Continuing Education Units (CEUs)

English

In-Person Offerings Worldwide



### Who Should Attend:

- Painting Contractors
- Competent Persons
- Specifying or project managers
- Environmental Health and Safety (EHS) personnel
- Engineers
- Consultants



### Why Attend – Benefits Of Attending:

After attending this course you will be able to:

- Identify sources of hazardous coatings and materials and the relative risks posed by industrial painting activities
- Describe the potential effects of hazardous coatings/materials
- Implement controls and work practices necessary to protect the public, environment, and workers during industrial hazardous coating removal activities



### What This Course Covers:

- Hazardous coatings and materials in industrial painting
- Legal and liability Issues
- Health effects of hazardous coatings and materials
- Identification of hazardous coatings/hazardous materials
- Air, soil, water/sediment, and dust regulations and monitoring strategies
- Worker protection from hazardous coatings/materials
- Respiratory protection and PPE



### Prerequisites:

No prior training or experience is required.

## Supervisor/Competent Person Training for Deleading and Hazardous Coatings Removal Refresher (C5) Course

This 1-day course provides a review of Competent Person duties and responsibilities in working with lead and other hazardous materials encountered in industrial coatings work. It also reviews relevant OSHA and EPA regulations.

1 Day Course / 0.8 Continuing Education Units (CEUs)

English

In-Person Offerings Worldwide



### Who Should Attend:

- Painting contractors
- Competent Persons
- Specifying or project managers
- Environmental Health and Safety (EHS) personnel
- Engineers
- Consultants



### Why Attend – Benefits of Attending:

After attending this course, you will be able to:

- Identify sources of hazardous coatings and materials and the relative risks posed by industrial painting activities
- Describe the potential effects of hazardous coatings/materials
- Implement controls and work practices necessary to protect the public, environment, and workers during industrial hazardous coating removal activities
- Apply procedures to measure and verify the continued adequacy of control options



### What this Course Covers:

- Competent person requirements
- Health effects / OSHA health standards
- EPA regulations
- Overview of containment and ventilation
- Regulatory update



### Prerequisites:

Successful completion of Supervisor/Competent Person Training for Deleading and Hazardous Coatings Removal (C3) Course



## Thermal Spray Applicator Training (THERMAL APP) Course

This course is designed to train and certify applicators in the application of thermal spray coatings to industrial substrates.

1 Day Course / 0.8 Continuing Education Units (CEUs)

English

In-Person Offerings Worldwide



### Who Should Attend:

Contractors, project supervisors, or craftworkers involved in applying thermal spray technology should take this course.



### Why Attend – Benefits Of Attending:

After attending this course you will be able to:

- Describe thermal spray coating (TSC) and its application and uses
- Recognize the three types of arc spray equipment and describe their components and the safety considerations required during operation
- Recognize the key items covered by SSPC CS-23/AWS C2.23M/ NACE No.12 Specification for Application of Thermal Spray Coatings (Metallizing) of Aluminum, Zinc and their Alloys, and Composites for the Corrosion Protection of Steel



### What is the next step?

Once you have taken and passed the Thermal Spray Applicator written exam you can move onto the Thermal Spray Applicator hands-on exam. To register for the Thermal Spray Applicator Certification Exam contact us.



### What This Course Covers:

- Unit 1 – Thermal Spray Process Overview
- Unit 2 – Arc Spray Safety and Equipment Components (or Flame Spray)
- Unit 3 – Overview of SSPC CS-23/ AWS C2.23M/NACE No.12
- Unit 4 – Surface Preparation Requirements
- Unit 5 – Operating Parameters and Quality Control



### Prerequisites:

No prior training or experience is required.

# FAQs

## What is the difference between Continuing Education Credits (CEUs) vs Professional Development Hours (PDHs)?

CEUs and PDHs are listed all throughout this catalog and on [ampp.org](http://ampp.org). Professional development hours (PDHs) are used to demonstrate continued knowledge on a subject, and many of our certifications require PDHs for renewal. Students earn one PDH for each hour of instruction. You will find that our eCourses and online learning opportunities are recognized PDHs.

Continuing Education Units (CEUs) are generally associated with our in-person courses. CEUs are awarded to AMPP courses, through our IACET accreditation. If a course is awarded CEUs, the content of the course has been vetted by IACET and must be meticulously maintained and monitored annually by our staff to sustain our accreditation. Students earn 1 CEU for every 10 instructional hours.

Both PDHs and CEUs showcase your knowledge and commitment to your professional development. Some credentials will require you to have PDHs and others will require CEUs. AMPP provides both so we can better serve you and aid in your continued success.

## What is an IACET accreditation?

IACET is the International Association for Continuing Education and Training. In obtaining this accreditation, we have demonstrated that we comply with the ANSI/IACET Standard which is recognized internationally as a standard of good practice for our continuing education and training programs. As a result of their Authorized Provider status, we are authorized to offer IACET CEUs for programs that qualify under the ANSI/IACET Standard.

## What are Delivery Modes?

A delivery mode is the way training instructions are delivered to you as a student. AMPP offers several delivery modes so that you can choose the one that fosters the best learning environment for you.

We offer eCourses that take place fully online with guided lessons, knowledge checks, interactivity and more. eCourses allow you to learn at your own pace whenever is convenient for you. All of our eCourses give you a full year of access to complete the course requirements for successful completion.

Virtual courses from AMPP offer a mixed media learning environment. We bring a live instructor to you through a virtual portal. Signing up for these courses is the same as an in-person course. They are scheduled in advance and often take up the same amount of time as a traditional in-person course would. This delivery mode allows AMPP to connect better with our world-wide audience in areas where travel can be made difficult. Engage with the instructor and your classmates as you would in a physical classroom but through the means of a virtual one.

In-person courses are our traditional delivery model. An instructor and the students go to one physical location to cover course materials, hands-on demonstrations, and more. This delivery mode is the most common for AMPP courses for many reasons – the most important being to give you the best educational experience we can provide.

## What is DoD Funding?

DoD Funding is funding the U.S. Department of Defense awards AMPP on an annual basis to be able to provide training to those in the armed forces free of charge. There are a few ways to access this funding if you qualify. Visit [ampp.org/dod-training](http://ampp.org/dod-training) for more information.

## How do I use the GSA training rates?

The General Services Administration (GSA) is an organization who manages United States federal property and provides contracting options for government agencies. Our contract with the GSA allows AMPP education and certification to be listed as a contract option to those who qualify under the GSA. To access this training option, you must be an active GSA card holder and you can register by proceeding to their website, [GSAadvantage.gov](http://GSAadvantage.gov), and finding AMPP as a contracted provider. Visit [ampp.org/GSA](http://ampp.org/GSA) for more information.

## Why is the Ethics Course a Requirement?

In 2020, AMPP created the Ethics for the Corrosion Professional Course to fulfill a growing need in the industry for guidance on ethics. As of January 2021, AMPP required the Ethics for the Corrosion Professional Course to be completed to obtain any AMPP certification to demonstrate our commitment to the integrity of the industry and those we serve. The course is available online, can be completed in under 2 hours, and adds infinite value to your AMPP certification. For more information about the course, why it's required, and frequently asked questions, visit [ampp.org/ethics-requirement](http://ampp.org/ethics-requirement).

## What are Exam Preparation Guides?

Exam preparation guides (EPG) are free downloadable PDFs to help you prepare for your certification exams. Each EPG contains exam topics, sample text questions, and more to help you best prepare for exam day. They can be downloaded from your certification portal, or from [ampp.org](http://ampp.org) on various program pages.

## What is the difference between Licensed Providers and Training Partners?

Licensed Providers, or Licensees, and Training Partners are organizations that work with AMPP to better provide training opportunities world-wide. They are both vetted by AMPP to be able to provide high quality training to you.

Where they differ is in their level of involvement planning the course, they are hosting. Partners help AMPP find a location, store equipment that AMPP provides, and supply materials for the classroom. Licensees do everything that a training partner would, as well as supply AMPP specified equipment and instruments for hands-on activities, instead of AMPP providing them.

The goal is that every course, whether offered through a training partner or a licensee, is administered in the same manner to ensure students all receive the same curriculum in the same way. We work with other companies in the industries we serve to offer more locations, and more frequent offerings than we could ever do on our own.

## How Do I Renew My Certification?

Renewing your hard-earned credential is simple and takes less than 10 minutes. By renewing you will avoid reinstatement fees or possible suspension of your certification. Certifications are eligible for renewal beginning 90 days prior to the expiration date.

All information regarding required professional development hours or work experience is available in your My Certification Portal. Login to see specifics for your credentials and submit forms inside of the portal.



# AMPP<sup>®</sup>

*The Global Leaders in Materials  
Protection and Performance*

[ampp.org](http://ampp.org)

Printed in Jan. 2024, this catalog offers a snapshot of course and certification information. Visit our website for the latest details, as updates may not be reflected in this print version.