



ACA

TRAINING PROGRAM

2024

The Australasian Corrosion Association Inc.



Register

AMPP Cathodic Protection Level 1 Tester (CP1)

The **AMPP Cathodic Protection Tester** course is the first of AMPP's Cathodic protection series, covering both theoretical and practical CP techniques. This course although not essential to move on to the 2nd, 3rd and 4th CP courses is a great foundation for success in your CP career.

Who should attend

- CP Systems Supervisor
- CP Field Personnel
- CP Technician
- CP Data Analysts

Prerequisites

- Ethics for the Corrosion Professional
- 6 months of CP work experience

Recommended:

- ACA Corrosion Technology Course (CTC)
- Basic knowledge of galvanic and impressed current CP systems.
- Cathodic Protection Fundamentals: Math and Electricity eCourse

Highlights

- Basics of CP theory
- Polarity relation to flow and metal corrosion activity
- Test identifying shorts & continuity tests in CP systems
- Field tests & reading
- CP components
- Read shunts
- Surveys effectiveness of a CP system
- Use, maintenance & precautions for reference cells
- Basic location mapping
- Report preparation & record keeping
- Safety specific to CP
- Recall code requirements related to CP
- In class practical
- Esteemed lecturer feedback
- Digital & hard copy course materials
- Catering
- Pearson VUE CBT Exam
- My Certification Portal - AMPP

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Fees

Starting from AUD\$4,865



Duration

5 days



**Register**

AMPP Cathodic Protection Level 2 Technician (CP2)

The **AMPP 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.

Who should attend

- CP Field Personnel
- CP Engineers
- CP Testers
- CP Tester Supervisors
- Experienced CP professionals
- Anyone who intends to teach CP1

Prerequisites

- Ethics for the Corrosion Professional
- Competent algebra and geometry
- Understanding of Electrochemistry
- Clear knowledge of Corrosion theory
- Basic electrical laws, series, and parallel circuits
- Cathodic protection fundamentals, criteria, sacrificial and impressed current equipment
- Stray current interference
- Voltmeters, ammeters, shunts, ohmmeters, reference electrodes, isolation and soil resistivity

Highlights

- Troubleshoot rectifier component parts
- Perform CP field tests & evaluate results
- Verify stray current interference & method(s) to mitigate interference
- Conduct & interpret current measurements
- Interpret voltage (IR) free readings, polarization formation & decay tests
- Maintain records, data plotting & analysis
- Purpose & uses of corrosion coupon test stations
- Esteemed lecturer feedback
- Digital & hard copy course materials
- Catering
- Pearson VUE CBT Exam
- My Certification Portal - AMPP

Recommended:

- ACA Corrosion Technology Course (CTC)
- AMPP Cathodic Protection Tester (CP1)
- Cathodic Protection Fundamentals: Math and Electricity eCourse

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Fees

Starting from AUD\$4,865



Duration

5 days





Register

AMPP Cathodic Protection Level 3 Technologist (CP3)

The **AMPP Cathodic Protection Technologist** course builds on the technology presented in the AMPP CP2 Technician course with a strong focus on interpretation of CP data, trouble shooting and mitigation of problems that arise in both galvanic and impressed current systems.

Who should attend

- CP Field Personnel
- CP Engineers
- CP Testers
- CP Tester Supervisors

Prerequisites

- Ethics for the Corrosion Professional
- Proven algebra, trigonometry and geometry knowledge
- Demonstrated scientific and mathematic background
- Strong of Electrochemistry understanding
- Established knowledge of Corrosion theory
- Comprehensive understanding of electrical laws, series, and parallel circuits
- Proven Cathodic protection fundamentals, criteria, sacrificial and impressed current equipment
- Experience with Stray current interference
- Familiarity of Voltmeters, ammeters, shunts, ohmmeters, reference electrodes, isolation and soil resistivity

Highlights

- Mathematical expression of concepts
- Factors that affect polarization
- AMPP criteria for CP
- Errors in data collection/CP measurements
- Current distribution for a CP system
- Advanced cathodic protection testing
- Corrective action for CP system
- Interference testing
- Simplistic forms of galvanic & impressed current CP
- Esteemed lecturer feedback
- Digital & hard copy course materials
- Online delivery
- Pearson VUE CBT Exam
- My Certification Portal - AMPP

Recommended:

- 3-5 years CP work experience
- AMPP Cathodic Protection Technician (CP2)
- Basic knowledge of galvanic and impressed current CP systems.
- ACA Corrosion Technology Course (CTC)
- Cathodic Protection Fundamentals: Math and Electricity eCourse

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Fees

Starting from A\$4,865.00.



Duration

5 days.





Register

AMPP Cathodic Protection Level 4 Specialist (CP4)

The **AMPP 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.

Who should attend

- Experienced CP Personnel
- Accomplished CP Engineers
- Skilled CP Designers
- Leaders in CP

Prerequisites

- Ethics for the Corrosion Professional
- 2 years post high school training from math or science technical/trade school
- 6+ years CP work experience (4+ in responsible charge)

or

- Bachelors/ Advanced degree in physical science or engineering
- 4+ years advanced CP work experience (4+ in responsible charge)

Highlights

- Corrosion & cathodic protection electrochemistry review
- Development & application of CP system performance evaluation criteria
- Detailed presentation & review of more than 25 CP design examples or cases covering buried and submerged pipelines, below and above ground storage tanks, oil or gas wells, marine applications, water storage or treatment facilities, and reinforced concrete structures
- Theoretical & practical exams for AMPP CP4-Specialist certification
- All course materials provided
- Online course

Recommended:

- Engineering-in-Training registration or equivalent
- Professional engineer's license
- AMPP Cathodic Protection Technologist (CP3)

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Fees

Starting from AUD\$4,422



Duration

5 days.





Private Training

The ACA offers all of our esteemed training courses privately so your businesses training requirements can be addressed in the most effective way.

Are you having trouble getting your staff to our public training courses?

Are you located too far from a capital city?

Do you have 10-24 staff you need to have trained?

Do you have a large meeting room at your disposal?

You might find it makes a lot more sense to have your staff trained on-site through a private course!

To enquire about a quote or to request more detail please email training@corrosion.com.au or phone our head office on **(03) 8608 7900**.

We will find a solution that fits your company best!





Who we are

The Australasian Corrosion Association is a not-for-profit, membership Association which disseminates information on corrosion and its prevention or control by providing training, seminars, conferences, research, publications, and other activities.

We partner with AMPP, ACRA, GAA, and other organisations to deliver world-class courses in Australasia. We take great pride in supporting long-serving members of our industry wanting to gain a qualification and enhance their knowledge in the industry as well as new students looking to explore a new field of study and improve their career prospects.

Our instructors hold the highest level of qualification to deliver training courses within multiple industries, such as Engineering, Construction, Manufacturing, Marine/Maritime, Oil and Gas, and Mining.

Head to membership.corrosion.com.au/training and get started.

Boost your career with an ACA Training Course!





The Australasian Corrosion Association Inc.

Partnered

**HDG
ACRA
CPAT
MIC**

AMPP

**CIP1 CIP2 CIP3
CP1 CP2 CP3 CP4
CCI1 CCI2
CUI
CWS (C6, C7, C12)**

ACA

**CSS
CTC**