

ACA/ACRA Corrosion & Protection of Reinforced Concrete

Duration 2 days

Description This course will provide a solid foundation of knowledge about the corrosion of both reinforcement and concrete, so that those working in this field can reach more effective solutions in the prevention and remediation of this ever-growing problem.

This course will provide essential training for Asset Managers, Port Engineers, Bridge Maintenance Managers, Building Managers, Heritage Structure Engineers, Plant Engineers, Consulting Engineers, Architects, Specialist Contractors, Construction Material Suppliers, Asset Condition Inspectors and Overseers.

Who Should Attend? This course will provide essential training for Asset Managers, Port Engineers, Bridge Maintenance Managers, Building Managers, Heritage Structure Engineers, Plant Engineers, Consulting Engineers, Architects, Specialist Contractors, Construction Material Suppliers, Asset Condition Inspectors and Overseers.

Course Highlights

- The Characteristics of Cement and Concrete
- Concrete Deterioration Mechanisms
- Corrosion of Reinforcement in Concrete
- Survey and Diagnosis of Concrete
- On-site Measurements
- Laboratory Measurements
- Repair and protection of Reinforced Concrete
- Repair of Damaged concrete
- Cathodic Protection (CP)
- Further Electrochemical Methods
- Preventive Measures for New Concrete

Prerequisites Some industry experience is an advantage.

Please Note: This course may be attended without examination. For those wishing to gain points towards ACA Certification, there is an optional case history exam. This exam is to be completed within a 3 week period after the course. A Certificate for the course will be forwarded to those students who have passed the exam, and a certificate of attendance issued otherwise.