

## Introductory Electroplating Course

### Course Outline

The 12 week Basic Electroplating course is now available for you in a two-day training program. This practical, two-day training program is designed to give you a better understanding of the basic principles and practices of electroplating.

### Who Should attend

Our course is great for;

- Plating technicians and Operators
- Project managers and Engineers requiring a better understanding of plating operations
- Technical/Sales Representatives who sell into the electroplating industry

### Core Modules

**1.Principles of Electroplating:** Applications of Electroplating, Basic process sequences, principles of electrodeposition and basic circuitry and gnode types

**2.Equipment and Operational aspects:** Main types of electroplating plant, safety checks on equipment, setting operational procedures

**3.Pretreatment:** Basic necessity of cleaning, Types of soil, cleaning ingredients, electrolytic cleaning and pickling methods.

**4.Nickel Plating:**Basic solution formulations, selection of processes to meet specifications, operating conditions of nickel solutions, effect of impurities and use of nickel stakes.

**5.Chromium:** Formulations of chromium solutions, operational conditions, effects of variables on electrodisposition, effect of impurities and anode functions.

**6. Copper, Silver and Gold:** Uses, formulation - alkaline and acid. Control of solutions, operating conditions.

**7.Zinc Plating and Conversion Coatings:** Uses, formulation types and selection criteria, types of conversion coatings and their selections.

**Duration:** 2 Days (Thursdays and Fridays)

**Time:** 8.30am - 4.30pm

**Place:** Victoria and New South Wales

**Cost:** \$650 members \$795 non-members

Light lunch provided

For details of the next scheduled class in your state, and current pricing, please see the AISF website [www.aisf.org.au](http://www.aisf.org.au) or contact the AISF directly.

### Certificate awarded on completion



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**“Regular training gives your business a highly skilled workforce and a competitive advantage in the market.”**

**8.Effluent and Waste minimisation:** Necessity of treatment, environmental concerns, sources of waste, methods of minimisation, safe disposal of waste.

**9. Solution Maintenance:** Control necessities and why, shop sampling and testing, understanding laboratory reports and analysis

**10.Quality and OH&S aspects:** Quality for electroplating, assurance of quality, OH&S operational factors, recognition of risks and their removal.

In addition, special finishing topics can be discussed according to your specific business needs if required eg; anodising, organic coatings, special processes.

Advance notification of these additional topics is required.

### Examination