

## How will you benefit?

SCAA's technical education programs are well accepted and valued by the coatings industry. Graduates can be assured of a solid grounding in the technology involved in the development and use of modern surface coatings

Having successfully completed the course, you will receive the **SCAA Certificate of Surface Coatings Technology by e-Learning**.

## Course structure

The course syllabus comprises 49 lessons, structured into 6 units. Students should complete all units and lessons in the given sequence.

Early units of the program provide coverage of the materials used in coating manufacture: polymers, pigments, solvents and additives. The later units build upon this foundation, covering the formulation and applications of surface coating products.

## Resources

Lesson content is provided via a set of two CD ROMs. In addition, it is strongly recommended that participants also purchase the reference texts, *Surface Coatings Vol 1 & 2* published by SCAA. These can be purchased via the Publications section of [www.scaa.asn.au](http://www.scaa.asn.au)

## Assessment

Formal assessment will be by 3 written exams, which follow completion of units 1, 3 and 6 respectively. These exams will be conducted in-person (ie not online), at a time and nearby location arranged in advance with the student. Upon exam completion, the Course Administrator will arrange marking by our Expert Panel.

## Course Fee, enrolment and payment

The course fee is \$2500 (or \$1750 for SCAA members - provide your member number when booking). The course is GST exempt, prices are in Australian dollars.

Enrol into this course at any time by phone, fax, post, or via the website. Please ensure you have met the required course prerequisites.

Payment is required at the time of enrolment. Visa, MasterCard, cheque or money order payments are accepted. Invoices may be issued where Company Purchase Orders accompany an enrolment form.

A tax invoice and CD ROMs will be issued once enrolment is confirmed.

## SCAA membership

Application for SCAA membership can be made at [www.scaa.asn.au](http://www.scaa.asn.au).

## Terms and conditions

Registrations cannot be completed, nor can the resources be supplied until the full course fee is received.

CD ROMs must be activated by participant within 30 days of booking date.

As prerequisites apply, substitute participants are not permitted.

Cancellation Policy: RMIT Training must be notified of request to cancel within 14 days of Booking Date. All cancellations will incur a \$100 cancellation fee. A refund will be issued once CD ROMs have been returned to RMIT Training. Cancellations will not be accepted once CD ROMs have been activated.

## For Further Information and to Enrol

[www.rmittraining.com/scaa](http://www.rmittraining.com/scaa)

**Phone:** +61 3 9925 8111

**Fax:** +61 3 9925 8134

**Email:** [enquiries@rmit.edu.au](mailto:enquiries@rmit.edu.au)

**Post:** PO Box 12058, A'Beckett Street, Melbourne VIC 8006

**In Person:** Level 3, 449 Swanston Street, Melbourne VIC 3000



# Surface Coatings Association Australia



## SCAA Certificate of Surface Coatings Technology by e-Learning



Delivered by RMIT Training

## About this course

The Surface Coatings Association Australia Inc (SCAA) has been the provider of technical education to the coatings industry for many years, mainly via classroom-based courses in Melbourne and Sydney.

SCAA has now developed its *Certificate of Surface Coatings Technology (S001001)* course into a self-paced, distance-learning format.

This course has been developed with assistance from the Australian Paint Manufacturers' Federation, and contributory funding by the NSW Department of Education and Training.

## Who should apply?

Technical staff, including laboratory chemists and sales staff, working in, or wishing to enter the paint, ink or other coatings related industries.

Participants are generally employed by: paint or ink manufacturers, raw material suppliers or manufacturers that use coatings.

## Course prerequisites and exemptions

Due to the level of technical content, the general requirement is a Degree or Diploma in Chemistry or an equivalent qualification.

Those without a tertiary qualification may apply, but must have successfully completed a Secondary Year 12 certificate including Chemistry, with a recommended minimum 5 years of relevant experience in the coatings or related industry.

Students will require access to a computer with the following minimum specifications: Pentium II computer, 600MHz processor, monitor capable of displaying a resolution of 800x600 pixels at 65K colour, audio card and CD-ROM drive. Operating systems: Windows NT, 2000 or XP.

A high level of English language ability is required. An example lesson can be viewed at [www.rmittraining.com/scaa](http://www.rmittraining.com/scaa)

Given the specialized nature of the course, exemptions will not be considered.

## Unit One: Polymers

Introduction to Polymer Science  
Vegetable Oils  
Varnish Resins, Oleoresinous Media  
Alkyd Technology  
Modified Alkyds  
Water Reducible Polymers  
Amino & Phenolic Resins  
Cellulosic Polymers  
Epoxyes, Curing Agents and Silicones  
Polyesters, Vinyls, Rubber, Tar and Olefins  
Acrylic Solution Polymers  
Latex Polymers – Part 1  
Latex Polymers – Part 2  
Polyurethane Resins

## Unit Two: Solvents & Additives

Solvents, Diluents and Thinners Part 1  
Solvents, Diluents and Thinners Part 2  
Introduction to Rheology  
Rheology Modifiers  
Surfactants  
Coating Additives

## Unit Three: Pigments & Colour

Colour Theory and Measurement  
Introduction to Pigments  
Inorganic Pigments  
Titanium Dioxide & Opaque Polymers  
Organic Pigments  
Anti Corrosive & Extender Pigments  
Dispersion Theory & Methods

## Unit Four: Coatings Types

Formulation Parameters  
Corrosion and Conversion Coatings  
Heavy Duty Protective Coatings  
Marine Paints  
Decorative Coatings – Introduction  
Decorative Coatings – Water based  
Decorative Coatings – Solvent based  
Decorative Coatings – Substrates, and Tinting Systems  
Wood Stains & Finishes  
Automotive Primers / Undercoats  
Automotive Top Coats  
Automotive Refinish Systems  
Industrial Coatings  
Coil Coatings  
Metal Container Coatings  
Powder Coatings

## Unit Five: Inks

Printing Ink Technology– Part 1  
Printing Ink Technology– Part 2

## Unit Six: Technical Management

Chemical Toxicology  
Occupational Health & Safety  
Analysis of Coatings  
Statistical Process & Quality Control