

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

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.

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

Phone: +61 3 9925 8111

Fax: +61 3 9925 8134

Email: 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

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