



# COATINGS**TECH** Online Course

## Delivering Excellence in Education to the Coatings Community

For over 100 years, The Toronto Society of Coatings Technology (TOSCOT) delivered in class courses to the Canadian coatings industry providing valuable knowledge and training to those looking to expand their horizons. In 2012, The Canadian Paint and Coatings Association took over the series of courses and has since been offering to students in Canada and around the world the opportunity to increase their coatings knowledge through The CoatingsTECH Online Course. The online diploma program provides those who work in the industry a solid foundation in coatings technology. With over 800 recent graduates of the program, CPCA is Delivering Excellence in Education to the Coating Community.

Work at your own pace with easy-to-use e-learning training to gain the knowledge you need today to advance your career in the coatings industry. Students receive valuation online training in three areas; theoretical concepts, industrial paint applications and sales and marketing.

## How it Works

Our online format is accessible and available to you at anytime. It is fully interactive and includes a combination of live-action video, high-end graphics and comprehensive testing at the mid-term and end of each semester. The Canada CoatingsTECH Online Course is available to both member and non-members.

This is an excellent opportunity for member companies to provide necessary skills training to retain staff and sustain effective staffing levels in a challenging human resources environment. ***The three courses may be of interest to you if you are:***

- An employee of a paint manufacturer in product development, sales or marketing
- Engaged in raw materials distribution to the coatings industry and wish to train new employees in the basics of coatings technology
- A paint contractor who needs to understand the qualities of the products you are using for your business
- Seeking a career in the paint and coatings industry
- Retail Sales staff seeking greater product knowledge to convey to your customers.

## Course Overview

The CoatingsTECH Online Course has three semesters (or courses). Students can choose to take any course that is of interest, however, all three courses must be completed to obtain your diploma, and each semester has a six month time limit for completion.

## The CoatingsTECH Advantage



*Job Enrichment  
& Life-learning*



*A Pathway  
to Promotion*



*Excel  
Professionally*



*Upgrade your Status  
in the Industry*



*Increased Trainee  
Retention & Production*



## Sales & Marketing

*Semester 1: Raw Materials Course*

Designed for those working in a non-technical role, such as the purchasing of raw materials, production scheduling or sales and marketing. The focus of this course is on how the raw materials in paint and coatings are used to formulate various types of protective and decorative coatings. The selection of materials, testing and manufacturing of trade sales paints are explored through the following topics:

- Review of Trade Sales Paint Resins and Coatings Calculations
- Dispersion Process and Equipment and Pigments and Tinting Systems
- Instrumental Colour Matching
- Special Formulating Know-how
- Manufacturing Methods and Exterior Durability
- Quality Control



## General Industry Knowledge

*Semester 2: Architectural Coatings*

Designed to provide the theoretical basics of coatings technology for young people who are just entering the industry, or those who have been working in the industry for some time but want to upgrade their status in the industry by earning a Diploma in Coatings Technology. The chemistry, manufacturing and testing of raw materials are discussed in this course, with an emphasis on how these products are delivered to the coatings industry and the choices available to the formulating chemist. The following topics are covered:

- Chemistry for Organic Coatings
- Oils and Varnishes/Alkyd Resins
- Solvents
- Coatings Additives
- Epoxy, Phenolics and Silicone Resins
- Acrylics, Urethanes and Cellulosics
- Water-borne Resins and Emulsions
- White and Extender Pigments
- Organic Pigments
- Black and Inorganic Pigments



## Dive Into Industry Coatings

*Semester 3: Industrial Coatings*

In view of the complexity of most industrial coatings, this course is recommended for industrial paint applicators who need to be able to appreciate the composition, performance capabilities and handling of the products they purchase and use. The third semester lectures covers the following topics:

- Review of Resins for Industrial Coatings
- Corrosion
- Surface Preparation and Primers
- Pigments, Dispersion and Equipment
- Automotive Coatings (OEM)
- Automotive Refinish Coatings
- Coil and General Industrial Coatings
- Environmental and Government Regulations
- Powder Coatings
- Application Methods and Equipment (powder)
- Application Methods and Equipment (liquid)
- Statistical Process and Quality

## How to Register

*Your Road to Excellence Starts with CPCA*

Registration and online training is done online. The cost per course is \$621.50 (HST included) for non-members. For CPCA member companies and their employees the cost for the course is \$339.00 (HST included).

**For more information visit:**

[www.canpaint.com/education-training/canada-coatingstech/](http://www.canpaint.com/education-training/canada-coatingstech/)

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REGISTER NOW



CANADIAN PAINT  
AND COATINGS  
ASSOCIATION

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DE L'INDUSTRIE DE LA PEINTURE  
ET DU REVÊTEMENT