

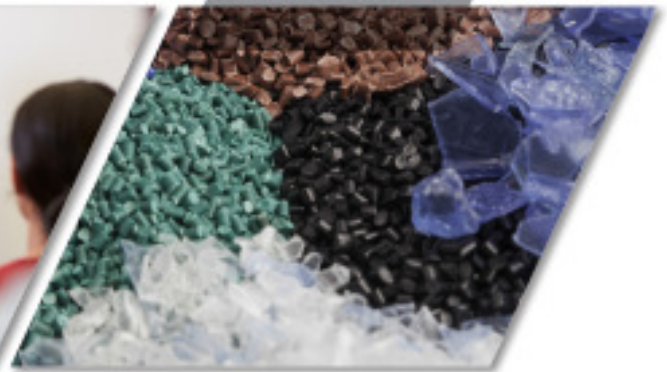
DDSP 2023

Diploma in Design and Specification of Plastics

INTRO



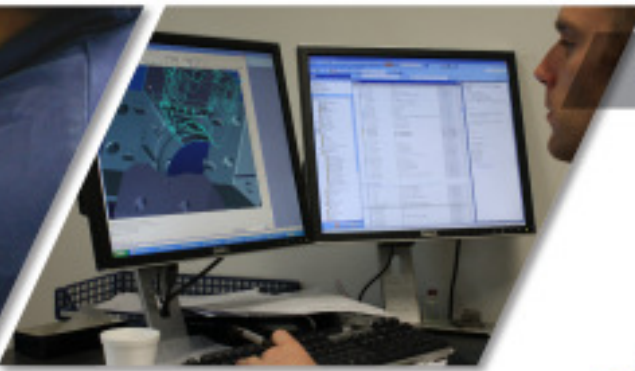
POLYMERS



PROCESSING



DESIGN



CHRISTCHURCH

Semester 1 2023

DDSP 2023 - CHRISTCHURCH

Diploma in Design & Specification of Plastics

Do you want to produce the best plastic parts possible? Join your colleagues and gain the essential knowledge provided by this industry-recognised plastics course. The Plastics New Zealand Diploma in Design and Specification of Plastics (DDSP) equips attendees to succeed in their careers within the Industry.

Plastic is an incredible material used extensively in the manufacture of a diverse range of products. This enables innovation and growth within many essential sectors of the NZ economy. It is a complex material with a wide range of functions, properties and manufacturing methods.

Whether you are a designer, specifier or processing technician you need an understanding of polymers and how they behave during processing. To avoid quality issues during manufacture you need to understand basic design fundamentals. To avoid negative environmental impacts, you need to consider best-practice design for the environment principles.

DDSP INTRODUCTION

Learn the jargon you need to work within the plastics industry. Introducing you to the NZ Industry, it will give you an overview of the fundamentals of plastic polymers, processing and the design process. This module provides the foundation for the remaining DDSP modules. It can also be completed as a stand-alone course.

Objectives.. Discover New Zealand's plastics Industry and its economic contributions.
Learn the essential steps involved in the design process for new products.
Find out how polymers are classified, their different properties, and typical applications for the most common plastics.
Explore the different types of plastic processing equipment.
Examine the environmental pros and cons around the use of plastics
Understand the basics of safe handling and use of plastics

Date..... Semester 1: Thursday 23rd February 2023, 9:00am – 4:30pm

Venue..... TBC, Christchurch.

Audience ... Suitable for anyone employed in the plastics industry and for those outside the industry needing to develop a basic understanding of plastics

"The DDSP has had a noticeable impact on the quality of the part designs produced by our engineers and a reduction in quality issues during manufacture."

DDSP POLYMERS

Discover the information you need to know to specify the right materials for your product. Learn how to properly troubleshoot production and quality issues. This module provides indepth information on the chemistry of polymers. Content includes different polymer families and how their configuration impacts their processing and end-use applications.

Objectives.. Learn about the molecular building blocks of polymers and how their morphology (shape) impacts their properties.
 Explore thermoplastics in-depth learn how crystallinity effects behaviour.
 Discover the types of testing used and how they are used to define polymers.
 Learn a comprehensive procedure to help you select materials successfully.
 Explore the main polymer families, their differences and applications.

Date..... Semester 1: Wednesday 22nd – Thursday 23rd March 2023, 9:00am – 4:30pm

Venue..... TBC, Christchurch

Audience ... This module is intended for those in plastics design, operational, production or technical sales roles within the plastics industry or those who specify the use of plastics materials for their organisation.

REGISTRATION

Semester 1 2023

Costs are GST Exclusive

- DDSP Introduction:Thursday 23rd February 2023....\$549 Members/\$685 Non-Members
- DDSP Polymers: .Wednesday 22nd–Thursday 23rd March 2023....\$749 Members/\$935 Non-Members

Name(s).....

Company

Address.....

Phone.....Email

Special dietary requirements:.....

Total amount paid \$ (If paying by credit card please add an additional 3%)

- Credit Plastics NZ bank account: ANZ. Auckland 01 1839 0035879 00
- Visa Mastercard Cheque enclosed Company invoice

Name on cardNumber on card

Expiry date/..... Signature