

# BTEC National Diploma and National Certificate in Polymer Processing and Materials Technology

advancing learning, changing lives

## National

**QAN Number:** Certificate: 100/2997/7; Diploma: 100/2996/5

**Current accreditation from:** 1 May 2003 to 30 April 2008

**Current certification end date:** 31 August 2011

For accreditation information, please visit the QCA openQUALS page by clicking here: [Diploma](#) and [Certificate](#).

This BTEC National Certificate is recognised as a Technical Certificate, please [click here](#) for further information.

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### Who is this BTEC for?

The Level 3 BTEC National Diploma in Polymer Processing and Materials Technology is for learners wishing to enter a career as a polymer technician in the area of plastic or rubber related industries.

The Level 3 BTEC National Certificate in Polymer Processing and Materials Technology is suitable for polymer technicians, adult learners looking for a specialist work-related qualification to confirm and extend their work experience if they are or have been employed in the sector or those wishing to change career or move into a particular area of employment following a career break.

### Who will offer this BTEC?

- FE, training providers, specialist schools with a vocational focus

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### BTEC National Certificate Structure

#### Core Units

The candidate is required to complete all four core units.

Introductory Science for Polymer Technicians  
Mathematics and Statistics for Polymer Technicians  
ICT and MIS in the Polymer Industry  
Basic Polymer Technology

#### Specialist Units

Select two units from either Group A or Group B and six units from Group C:

### **Group A**

Plastics Materials  
Plastics Processing

### **Group B**

Rubber Technology  
Rubber Products and Specialist Elastomers

### **Group C**

Engineering Studies for Polymer Technicians  
Polymer Technology Investigations  
Polymer Science  
Polymer Process Engineering  
Health, Safety and Welfare  
Quality Assurance and Control

## **BTEC National Diploma Structure**

### **Core Units**

The candidate is required to complete all six core units.

Introductory Science for Polymer Technicians  
Mathematics and Statistics for Polymer Technicians  
ICT and MIS in the Polymer Industry  
Data Analysis  
Basic Polymer Technology  
Engineering Studies for Polymer Technicians

### **Specialist Units**

Select two units from either Group A or Group B and ten units from Group C:

### **Group A**

Plastics Materials  
Plastics Processing

### **Group B**

Rubber Technology  
Rubber Products and Specialist Elastomers

### **Group C**

Polymer Workplace Practices  
Polymer Technology Investigations  
Polymer Science  
Polymer Process Engineering  
Engineering Drawing  
Engineering Design  
CAD  
Further Mathematics for Technicians  
Health, Safety and Welfare  
Quality Assurance and Control  
Polymer Practical Techniques  
Industrial Applications of Organic Chemistry  
Practical Chemical Analysis

# denotes a unit assessed via an Integrated Vocational Assignment (IVA).

## Unit Combinations

For the BTEC National Certificate the candidate is required to complete all four core units and eight specialist units (two from either Group A or Group B and six from Group C).

For the BTEC National Diploma the candidate is required to complete all six core and twelve specialist units (two from either Group A or Group B and ten from Group C).

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## Specification and Guides

- Specification (BN013394)

These materials can be ordered from:

Edexcel Publications

Adamsway

Mansfield, Notts. NG18 4FN

Tel: 01623 467 467

Email: [publications@linneydirect.com](mailto:publications@linneydirect.com)

Electronic versions of this can be downloaded from the Edexcel website. To access please see: <http://www.edexcel.org.uk/quals/nat/science/cert/5155>

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## Student Progression

A BTEC National develops learners' skills and understanding of work within a vocational context. BTEC National Certificates and Diplomas offer direct progression on to BTEC Higher National programmes, BTEC Foundation Degree Programmes and beyond. BTEC Nationals are now recognised by higher education institutions and attract UCAS points. To view the UCAS Tariff points chart for BTEC qualifications please [click here](#).

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## Getting Approval

For information on how to get approval please visit the following link:

<http://www.edexcel.org.uk/sfc/feschools/centre-recog/nqf>

or alternatively call customer service on 0870 240 9800

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## Contact us

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