

Polymer Education and Training Provision Guide

Prepared by:
Scottish Plastics and Rubber Association



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Introduction

This report sets out specialist education and training in polymer science, engineering and technology, covering postgraduate programmes, undergraduate programmes, sub-degree programmes, N/SVQ provision and short courses. Flexible learning, such as online learning, is also covered.

Providers are categorised as universities, FE Colleges and independent providers, the last category including plastics machinery suppliers and online providers.

The provision concentrates on programmes and courses which are focused on polymer science, engineering and technology; but there are a number of Materials courses which have polymer specific modules.

At some universities it is possible for students to enrol on a single module, with pro rata fees, and timetables are generally organised so that attendance is required on only one day per week. Consequently this opens up further possibilities for Continuing Professional Development on a day-release basis. Many providers have indicated that they will consider short courses on demand, on topics not officially listed.

The fees quoted for postgraduate programmes are for UK or EU students. Fees for overseas students are higher. For students enrolling for only part of the postgraduate programme, leading to Postgraduate Certificate and Postgraduate Diploma awards rather than the full MSc, fees are reduced accordingly.

For some university programmes bursaries are available to offset part of the fees. Government funding may be available for N/SVQ provision. Fees for short courses are generally quoted as the fee per student. Where courses are conducted at customer premises, the figure quoted would be a block fee, independent of the number of students, plus expenses.

The report covers providers in England, Wales, Scotland and Northern Ireland but students and employers may also be interested in courses in the Republic of Ireland, at Athlone Institute of Technology, Sligo Institute of Technology and First Polymer Training Skillnet, Athlone. Machinery Suppliers run courses in English in Continental Europe, for example Husky in Luxembourg and Netstal in Switzerland. Other non-UK companies in the database are the online providers, A. Routsis Associates, Paulson Training Programs, Rauwendaal Extrusion Engineering.

*All information is correct at the time of print and is subject to change.
Please contact the individual organisation to check programme availability and cost.*

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Universities

FE Colleges

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Machinery Suppliers

Short Courses and Online Learning

Materials Programmes with Minor

Polymer Content

Republic of Ireland Providers

Table 1. Universities

Universities	Postgraduate	Degree	Sub-degree	N/SVQ	Short Courses	Flexible
University of Brighton						
Edinburgh Napier University						
Glyndwr University						
Leeds University						
London Metropolitan University						
Loughborough University						
The University of Manchester						
Queen's University, Belfast						
Sheffield University						
University of Surrey						
University of Ulster						
University of Wolverhampton						

Table 2. FE Colleges

FE Colleges	Postgraduate	Degree	Sub-degree	N/SVQ	Short Courses	Flexible
Burton College						
Polymer Training and Innovation Centre, Wolverhampton College						
South East Regional College						
Telford College of Arts and Technology						
Trafford College						
The College of West Anglia						
Walsall College						
West Nottinghamshire College						

Table 3. Independent Providers

Independent Providers	Postgraduate	Degree	Sub-degree	N/S/VQ	Short Courses	Flexible
Autodesk Ltd						
Blow It All Ltd						
G&A Moulding Technology Limited						
Independent Polymer Technology Ltd ,						
IPS International Ltd						
iSmithers Rapra						
Plastic Training Solutions						
Polybridge Training Ltd						
PSC Associates						
Solutions 4 polymers Ltd						
A. Routsis Associates						
Paulson Training Programs						
Rauwendaal Extrusion Engineering						

Table 4. Machinery Suppliers

Machinery Suppliers	Postgraduate	Degree	Sub-degree	N/S/VQ	Short Courses	Flexible
Arburg Ltd						
Demag Hamilton Ltd						
Engel UK Ltd						
Krauss-Maffei (UK) Ltd						
Negri Bossi UK Ltd						
Sandretto Ltd						

Table 5. Short Courses and Online Learning

	Plastics Materials	Rubber Materials	Injection Moulding	Blow Moulding	Rotational moulding	Extrusion	Thermoforming	Simulation Analysis	Applications	Polymer Science
Universities and Colleges										
University of Brighton										
Glyndwr University										
London Metropolitan University										
Loughborough University										
Queen's University, Belfast										
Sheffield University										
University of Surrey										
PTIC, Wolverhampton College										
Independent Providers										
Autodesk Ltd										
Blow It All Ltd										
G&A Moulding Technology										
Independent Polymer Technology										
iSmithers Rapra										
Plastic Training Solutions										
Polybridge Training Ltd										
PSC Associates										
Solutions 4 polymers Ltd										
Machinery Suppliers										
Arburg Ltd										
Demag Hamilton Ltd										
Engel UK Ltd										
Krauss-Maffei (UK) Ltd										
Negri Bossi UK Ltd										
Sandretto Ltd										
Online Providers										
A. Routsis Associates										
Paulson Training Programs,										
Rauwendaal Extrusion Engineering										

Table 6. University Materials Programmes with Minor Polymer Content

Aberdeen University
Aston University
Birmingham University
Cambridge University
Heriot Watt University, Edinburgh
Imperial College, University of London
Liverpool University
Nottingham University
Plymouth University
Queen Mary College, University of London
The Open University

Table 7. Republic of Ireland Providers

Athlone Institute of Technology
Sligo Institute of Technology
First Polymer Training Skillnet, Athlone

Appendix 2

2.1	Postgraduate Programmes
2.2	Degree Programmes
2.3	Sub-Degree Programmes
2.4	N/SVQ Provision
2.5	Short Courses
2.6	Flexible Learning

2.1 Postgraduate Programmes

Edinburgh Napier University				
Address:	School of Engineering & Built Environment 10 Colinton Road Edinburgh EH10 5DT	Contact Name: Position:	Colin Hindle Lecturer in Polymer Technology	
Telephone: Fax: Email: Website:	0131 455 2264 www.napier.ac.uk	Telephone: Email:	0131 455 2622 c.hindle@napier.ac.uk	
	Programme Name	Qualification	Duration	Fees
1.	Polymer Engineering	MSc	1y F/T; 3y P/T	£3750
2.	Advanced Materials Engineering	MSc	1y F/T; 3y P/T	£3750

Glyndwr University				
Address:	Materials Science Research Centre Plas Coch Mold Road Wrexham LL11 2AW	Contact Name: Position:	Professor Peter A. Williams Director of Materials Science Research Centre	
Telephone: Fax: Email: Website:	01978 290 666 www.glyndwr.ac.uk	Telephone: Email:	01978 293083 p.a.williams@newi.ac.uk	
	Programme Name	Qualification	Duration	Fees
1.	Polymer Science & Technology	MRes	1y F/T 2-3y P/T;	£3492

Leeds University				
Address:	Department of Colour Science School of Physics and Astronomy, LS2 9JT	Contact Name: Position:	Prof Long Lin Professor of Reprographic Science and Technology	
Telephone: Fax: Email: Website:	0113 343 6543 info@irc.leeds.ac.uk www.chem.leeds.ac.uk	Telephone: Email:	0113 343 6785 l.lin@leeds.ac.uk	
	Programme Name	Qualification	Duration	Fees
1.	Polymer and Surface Coating Technology	MSc		£3466

London Metropolitan University				
Address:	London Metropolitan Polymers Centre BR105 Tower Building 166-220 Holloway Road London N7 8DB	Contact Name: Position:	Dr Matthew Philip Academic Leader, 41-71 Commercial Rd, London E1 1LA	
Telephone: Fax: Email: Website:	020 7423 0000 020 7320 1830 polymers@londonmet.ac.uk www.londonmet.ac.uk/polymers	Telephone: Email:	020 7320 1829 m.philip@londonmet.ac.uk	
	Programme Name	Qualification	Duration	Fees
1.	Polymer Science & Engineering	MSc	1y F/T; 2-3y P/T	£5400
2.	Plastic Product Design	MSc	1y F/T; 2-3y P/T	£5400
3.	Plastic Product Design & Management	MSc	1y F/T; 2-3y P/T	£5400
4.	Plastic Product Design & Marketing	MSc	1y F/T; 2-3y P/T	£5400

Loughborough University				
Address:	Department of Materials Loughborough Leicestershire LE11 3TU	Contact Name: Position:	Martin White Graduate Development Officer	
Telephone: Fax: Email: Website:	01509 223 331 01509 223 949 materials@lboro.ac.uk www.lboro.ac.uk	Telephone: Email:	01509 223 592 m.e.white@lboro.ac.uk	
	Programme Name	Qualification	Duration	Fees
1.	Polymer Technology	MSc	1y F/T; 3-5y P/T	F/T: £4,750; P/T : £7,510
2.	Polymer Technology	PG Dip	3-5y P/T	£6360
3.	Polymer Technology	PG Cert	1-2y P/T	£3180

The University of Manchester				
Address:	School of Material Manchester M13 9PL	Contact Name:	Dr Arthur Wilkinson	
		Position:	Senior Lecturer in Polymer & Composites Processing	
Telephone:	0161 306 4826	Telephone:	0161 306 5691	
Fax:		Email:	Arthur.Wilkinson@manchester.ac.uk	
Email:				
Website:	www.manchester.ac.uk/mate rials			
	Programme Name	Qualification	Duration	Fees
1.	Polymer Materials Science & Engineering	MSc	1y F/T; 3-5 y P/T	£3500

Queen's University, Belfast				
Address:	School of Mechanical and Aerospace Engineering Ashby Building Stranmillis Road Belfast BT9 5AH	Contact Name:	Director of Education	
		Position:	Lecturer, School of Mechanical and Aerospace Engineering	
Telephone:	028 9097 4147	Telephone:	028 9097 4117	
Fax:	028 9097 4148	Email:	mechaero@qub.ac.uk	
Email:	mechaero@qub.ac.uk			
Website:	www.qub.ac.uk/mechaero			
	Programme Name	Qualification	Duration	Fees
1.	Polymer Engineering	MSc	1y F/T	£3390
2.	Polymer Engineering	Diploma	9m F/T	£3390

Sheffield University				
Address:	The Polymer Centre Brook Hill Sheffield S3 7MP	Contact Name:	Shelagh Cowley	
		Position:	Training & Events Manager	
Telephone:	0114 222 9537	Telephone:	0114 222 9520	
Fax:	0114 222 9357	Email:	s.h.cowley@sheffield.ac.uk	
Email:				
Website:	www.polymercentre.org.uk			
	Programme Name	Qualification	Duration	Fees
1.	Polymers for Advanced Technologies	MSc	1y F/T	£3640
2.	Polymer and Polymer Composites Science & Engineering	MSc(Eng)	1y F/T	£3660
3.	Polymer Composites and Engineering Integrated Studies	MSc(Eng)	1y F/T	£4460

University of Ulster				
Address:	School of Engineering Jordanstown Campus Shore Road Newtonabbey, Co Antrim BT37 0QB	Contact Name: Position:	Dr Davide Mariotti Reader/Course Director	
Telephone: Fax: Email: Website:	 www.ulster.ac.uk	Telephone: Email:	02890 366 083 d.mariotti@ulster.ac.uk	
	Programme Name	Qualification	Duration	Fees
1.	Advanced Composites & Polymers	MSc	1y F/T; 3 y P/T	£3582
2.	Advanced Composites & Polymers	PgDip		

University of Wolverhampton				
Address:	Department of Engineering and Technology Telford Campus Telford Shropshire TF2 9NT	Contact Name: Position:	Prof Kevin Kibble Professor of Materials Engineering	
Telephone: Fax: Email: Website:	01902 321720 www.wlv.ac.uk/eat	Telephone: Email:	01902 322 706 k.a.kibble@wlv.ac.uk	
	Programme Name	Qualification	Duration	Fees
1.	Polymer Engineering Design	MSc/PgDip/PgC	1y F/T; 2-3y P/T	£3949

2.2 Degree Programmes

Edinburgh Napier University			
Address:	School of Engineering & Built Environment 10 Colinton Road Edinburgh EH10 5DT	Contact Name: Position:	Colin Hindle Lecturer in Polymer Technology
Telephone: Fax: Email: Website:	0131 455 2264 www.napier.ac.uk	Telephone: Email:	0131 455 2622 c.hindle@napier.ac.uk

	Programme Name	Qualification	Duration	Fees
1.	Polymer Engineering	Beng (Hons)	4y F/T; 6y P/T	
2.	Polymer Engineering	Beng	3y F/T; 5y P/T	
3.	Product Design Engineering	BSc (Hons)	4y F/T	
4.	Product Design Engineering	BSc	3y F/T	

London Metropolitan University			
Address:	London Metropolitan Polymers Centre BR105 Tower Building 166-220 Holloway Road London N7 8DB	Contact Name: Position:	Dr Matthew Philip Academic Leader, 41-71 Commercial Rd, London E1 1LA
Telephone: Fax: Email: Website:	020 7423 0000 020 7320 1830 polymers@londonmet.ac.uk www.londonmet.ac.uk/polymers	Telephone: Email:	020 7320 1829 m.philip@londonmet.ac.uk

	Programme Name	Qualification	Duration	Fees
1.	Polymer Engineering	BEng	3/4y F/T; 4y P/T	
2.	Product Design	BSc/BA	3/4y F/T; 4y P/T	
3.	Polymer Technology	FDS	2y F/T; 4y P/T (DL)	£6400

Burton College			
Address:	Lichfield Street Burton upon Trent DE14 3RL	Contact Name: Position:	Peter Dukes
Telephone: Fax: Email: Website:	01283 494 400 www.burton-college.ac.uk	Telephone: Email:	peter.dukes@burton-college.ac.uk

	Programme Name	Qualification	Duration	Fees
1.	Polymer Technology	FDS	P/T	

2.3 Sub-Degree Programmes

London Metropolitan University				
Address:	London Metropolitan Polymers Centre BR105 Tower Building 166-220 Holloway Road London N7 8DB	Contact Name: Position:	Dr Matthew Philip Academic Leader, 41-71 Commercial Rd, London E1 1LA	
Telephone: Fax: Email: Website:	020 7423 0000 020 7320 1830 polymers@londonmet.ac.uk www.londonmet.ac.uk/polym ers	Telephone: Email:	020 7320 1829 m.philip@londonmet.ac.uk	
	Programme Name	Qualification	Duration	Fees
1.	Polymer Technology (Polyflex)	Univ Cert	DL	

South East Regional College				
Address:	BANGOR CAMPUS 3 Castle Park Road Bangor, Co Down N Ireland BT20 4TD	Contact Name: Position:	Kieran McKenna	
Telephone: Fax: Email: Website:	0289 127 6755 0289 127 6601 www.serc.ac.uk	Telephone: Email:	0289 127 6755 kmckenna@serc.ac.uk	
	Programme Name	Qualification	Duration	Fees
1.	Polymer Processing & Materials Technology	National Certificate	2y F/T	

Trafford College				
Address:	Talbot Road Stretford Manchester M32 0XH	Contact Name: Position:	David Starmer Lecturer	
Telephone: Fax: Email: Website:	0161 886 7070 www.trafford.ac.uk	Telephone: Email:	0161 886 7066 david.starmer@trafford.ac.uk	
	Programme Name	Qualification	Duration	Fees
1.	Polymer Science & Technology	HNC	2y P/T	

2.4 N/SVQ Provision

Polymer Training and Innovation Centre				
Address:	City of Wolverhampton College Trevithick House Stafford Park 4 Telford TF3 3BA	Contact Name:	Charmaine Bowers Operations Manager	
Telephone:	01952 610101	Telephone:	01952 610101	
Fax:	01952 273 744	Email:	bowersc@wolvcoll.ac.uk	
Email:	PTIC@wolvcoll.ac.uk			
Website:	www.wolvcoll.ac.uk/polymer			
	Programme Name	Qualification	Duration	Fees
1.	Polymer Processing & Related Operations	NVQ Level 1		
2.	Polymer Processing & Related Operations	NVQ Level 2		
3.	Polymer Processing & Related Operations	NVQ Level 3		

Telford College of Arts and Technology				
Address:	Haybridge Road Wellington Telford TF1 2NP	Contact Name:	Dale Kynaston	
Telephone:	+44 (0)1952 642 200	Telephone:	01952 642334	
Fax:		Email:	dale.kynaston@tcat.ac.uk	
Email:				
Website:	www.tcat.ac.uk			
	Programme Name	Qualification	Duration	Fees
1.	Polymer Processing & Related Operations	NVQ Level 1		
2.	Polymer Processing & Related Operations	NVQ Level 2		
3.	Polymer Processing & Related Operations	NVQ Level 3		

The College of West Anglia				
Address:	CWA Business The Priory Centre, Priory Road Downham Market Norfolk PE38 9JS	Contact Name: Position:	Emma Goodwin Employer Gateway Coordinator	
Telephone: Fax: Email: Website:	01553 691 001 cwabusiness@col- westanglia.ac.uk www.cwatraining.co.uk	Telephone: Email:	01553 691 001 egoodwin@col-westanglia.ac.uk	
	Programme Name	Qualification	Duration	Fees
1.	Polymer Processing & Related Operations	NVQ Level 2		

Walsall College				
Address:	Wisemore Campus Littleton Street West Walsall WS2 8ES	Contact Name: Position:	Steve Saunders	
Telephone: Fax: Email: Website:	01922 657000 01922 657083 info@walsallcollege.ac.uk www.walsallcollege.ac.uk	Telephone: Email:	01922 657000 ssaunders@walsallcollege.ac.uk	
	Programme Name	Qualification	Duration	Fees
1.	Polymer Processing & Related Operations	NVQ Level 1		
2.	Polymer Processing & Related Operations	NVQ Level 2		
3.	Polymer Processing & Related Operations	NVQ Level 3		

West Nottinghamshire College				
Address:	The Engine, Sovereign House Sovereign Way Mansfield Nottinghamshire NG18 4LQ	Contact Name: Position:	Kanchan Sanyal Business Development Manager	
Telephone: Fax: Email: Website:	01623 627 191 www.wnc.ac.uk	Telephone: Email:	01623 627 191 et 8329 kanchan.sanyal@wnc.ac.uk	
	Programme Name	Qualification	Duration	Fees
1.	Polymer Processing & Related Operations	NVQ Level 1		
2.	Polymer Processing & Related Operations	NVQ Level 2		

IPS International Ltd				
Address:	Northbank House, Sir Thomas Langley Road Medway City Estate Rochester Kent ME2 4DU	Contact Name: Position:	Don McDonald Director	
Telephone: Fax: Email: Website:	01634 298 800 theoffice@ips-international.com www.ips-international.com	Telephone: Email:	01634 298800 theoffice@ips-international.com	
	Programme Name	Qualification	Duration	Fees
1.	Polymer Processing & Related Operations	NVQ level 2		
2.	Sign Making	NVQ level 2		

Plastic Training Solutions				
Address:	73 Churchill Drive Marske-by-the-Sea Redcar TS11 6AY	Contact Name: Position:	Ian Francis Owner	
Telephone: Fax: Email: Website:	01642 481 323 www.plasticstrainingsolutions.co.uk	Telephone: Email:	07769 251 679 info@plasticstrainingsolutions.co.uk	
	Programme Name	Qualification	Duration	Fees
1.	Polymer Processing & Related Operations	NVQ Level 1		
2.	Polymer Processing & Related Operations	NVQ Level 2		
3.	Polymer Processing & Related Operations	NVQ Level 3		

Solutions 4 polymers Ltd				
Address:	Mablen House 45 New Road Burntwood Staffordshire WS7 0BN	Contact Name: Position:	Andy Barnard Managing Director	
Telephone: Fax: Email: Website:	01543 674 525 www.s4pltd.co.uk	Telephone: Email:	07773 373 127 andy@s4pltd.co.uk	
	Programme Name	Qualification	Duration	Fees
1.	Polymer Processing & Related Operations	NVQ Level 1		
2.	Polymer Processing & Related Operations	NVQ Level 2		
3.	Polymer Processing & Related Operations	NVQ Level 3		

2.5 Short Courses

- 3.5.1 Universities
- 3.5.2 Colleges
- 3.5.3 Independent Providers
- 3.5.4 Machinery Suppliers

2.5.1. Universities

University of Brighton				
Address:	Collaborative Training Centre Cockcroft Building Moulsecoomb Brighton BN2 3EN	Contact Name:	Barbara Gretton CPD Manager	
Telephone:	01273 642305	Telephone:	01273 642204	
Fax:	01273 642444	Email:	b.m.gretton@brighton.ac.uk	
Email:	ctc@brighton.ac.uk			
Website:	www.brighton.ac.uk/ctc			
	Programme Name	Qualification	Duration	Fees
1.	Engineering and High Performance Polymers	Cert attend	3 days	£750 +VAT
2.	Commodity Thermoplastics, Injection Mould and Component design	Cert attend	3 day	£750 +VAT

Glyndwr University				
Address:	Materials Science Research Centre Plas Coch Mold Road Wrexham LL11 2AW	Contact Name:	Professor Peter A. Williams Director of Materials Science Research Centre	
Telephone:	01978 290 666	Telephone:	01978 293083	
Fax:		Email:	p.a.williams@newi.ac.uk	
Email:				
Website:	www.glyndwr.ac.uk			
	Programme Name	Qualification	Duration	Fees
1.	Industrial Water Soluble Polymers			
2.	Industrial Applications of Rheology			

London Metropolitan University				
Address:	London Metropolitan Polymers Centre BR105 Tower Building 166-220 Holloway Road London N7 8DB	Contact Name: Position:	Dr Matthew Philip Academic Leader, 41-71 Commercial Rd, London E1 1LA	
Telephone: Fax: Email: Website:	020 7423 0000 020 7320 1830 polymers@londonmet.ac.uk www.londonmet.ac.uk/polym ers	Telephone: Email:	020 7320 1829 m.philip@londonmet.ac.uk	
	Programme Name	Qualification	Duration	Fees
1.	Plastics Product Design and Manufacture	leads to MSc	5 d +DL	£885
2.	Plastics Properties & Materials Selection	leads to MSc	5 d +DL	
3.	Principles of Polymer Science	leads to MSc	5 d +DL	£885
4.	Computer design Rheology	leads to MSc	5 d +DL	£885
5.	Injection Moulding Design	leads to MSc	5 d +DL	£885
6.	Rubber Compound Design	leads to MSc	5 d +DL	£885
7.	Rubber Processing & Product Manufacture	leads to MSc	5 d +DL	£885
8.	Product Development and Recycling	Cert attend		
9.	Introduction to Plastics Technology	Cert attend		
10.	Introduction to Rubber Technology	Cert attend		

Loughborough University				
Address:	Department of Materials Loughborough Leicestershire LE11 3TU	Contact Name: Position:	Martin White Graduate Development Officer	
Telephone: Fax: Email: Website:	01509 223 331 01509 223 949 materials@lbro.ac.uk www.lboro.ac.uk	Telephone: Email:	01509 228 592 m.e.white@lboro.ac.uk	
	Programme Name	Qualification	Duration	Fees
1.	Plastics:Processing and Properties		5 days	£1090
2.	The Science and Technology of PVC		5 days	£1090
3.	Rubber Compounding and Processing		5 days	£1090
4.	Adhesive Bonding		4 days	£1090
5.	Materials Sustainability & the Environment		5 days	£1090
6.	Packaging Materials:Plastics		5 days	£1090

Queen's University, Belfast			
Address:	Polymer Processing Research Centre Ashby Building, Stranmillis Road, BELFAST BT9 5AH	Contact Name: Position:	Denise Price Business Manager
Telephone: Fax: Email: Website:	028 9097 4700 www.qub.ac.uk/pprc	Telephone: Email:	d.price@qub.ac.uk

	Programme Name	Qualification	Duration	Fees
1.	Introduction to Polymer Materials	Cert attend	2 days	
2.	Introduction to Rheology of Polymer Melts	Cert attend	1 day	
3.	Single Screw Extrusion	Cert attend		
4.	Twin Screw Extrusion and Compounding	Cert attend		
5.	Blown Film Extrusion	Cert attend	3 days	
6.	Tube and Pipe Extrusion	Cert attend	3 adys	
7.	Multilayer Extrusion of Film and Sheet	Cert attend		
8.	Profile Extrusion	Cert attend		
9.	Sheet Extrusion and Thermoforming	Cert attend	2 days	
10	Calendering	Cert attend		
11	Rotational moulding		3 days	
12	Injection Moulding	Cert attend	2 days	
13	Tensile and Flexural Analysis	Cert attend		

Sheffield University			
Address:	The Polymer Centre Dainton Building Brook Hill Sheffield S3 7HF	Contact Name: Position:	Shelagh Cowley Training and Events Manager
Telephone: Fax: Email: Website:	0114 222 9537 0114 222 9359 www.polymercentre.org.uk	Telephone: Email:	0114 222 9520 s.h.cowley@sheffield.ac.uk

	Programme Name	Qualification	Duration	Fees
1.	Polymer Science and Technology		10 days	£2250
2.	Basic Polymer Science Pt I		1 day	£330
3.	Basic Polymer Science Pt II		1 day	£330
4.	Polymer Chemistry		1 day	£330
5.	Polymer Engineering		1 day	£330
6.	Polymer Physics		1 day	£330
7.	Composites		1 day	£330
8.	Organic Electronics		1 day	£330
9.	Polymeric Biomaterials		1 day	£330
10	Introduction to Polymer Nanotechnology		1 day	£330
11	Polymer Dynamics and Macromolecular Rheology		1 day	£330

University of Surrey				
Address:	Faculty of Engineering and Physical Sciences Guildford GU2 7XH	Contact Name: Position:	Miss Jenna Maher PG Teaching Support	
Telephone: Fax: Email: Website:	 www.surrey.ac.uk	Telephone: Email:	01483 689 378 advancedmaterialsmisc@surrey.ac.uk	
	Programme Name	Qualification	Duration	Fees
1.	Polymers: Science, Engineering and Applications		5 days	£1220
2.	Introduction to Composite Materials		5 day	£1220

2.5.2. Colleges

Polymer Training and Innovation Centre				
Address:	City of Wolverhampton College Trevithick House Stafford Park 4 Telford TF3 3BA	Contact Name: Position:	Charmaine Bowers Operations Manager	
Telephone: Fax: Email: Website:	01952 610101 01952 273 744 PTIC@wolvcoll.ac.uk www.wolvcoll.ac.uk/polymer	Telephone: Email:	01952 610101 bowersc@wolvcoll.ac.uk	
	Programme Name	Qualification	Duration	Fees
1.	Polymer Industry Appreciation	PTIC Cert	1 day	£195
2.	Injection Moulding Appreciation	PTIC Cert	2 day	£445
3.	Injection Moulding Part 1	PTIC Cert	1 day	£245
4.	Injection Moulding Part 2	PTIC Cert	4 days	£795
5.	Injection Moulding Part 3	PTIC Cert	5 days	£995
6.	Safe Mould Change Option	PTIC Cert	1 day	£245
7.	Advanced Processing Technology (Injection Moulding)	PTIC Cert	4.5 days	£1045
8.	SMED Injection Moulding	PTIC Cert	1 day	£195
9.	Mould Mounting	PTIC Cert	2 days	£495
10.	Blow moulding Technology Part 2	PTIC Cert	4 day	£795
11.	Blow Moulding Technology Part 3	PTIC Cert	5 days	£995
12.	Blown Film Technology Part 2	PTIC Cert	4 days	POA
13.	Blown Film Technology Part 3	PTIC Cert	5 days	POA
14.	Extrusion Technology Part 2	PTIC Cert	4 days	POA
15.	Extrusion Technology Part 3	PTIC Cert	5 days	POA

2.5.3. Independent Providers

Autodesk Ltd				
Address:	1 Meadow Gate Avenue Farnborough Hampshire GU14 6FG	Contact Name: Position:	Eric Henry Technical Sales	
Telephone: Fax: Email: Website:	01252 456 600 01252 456 602 moldflow.info@autodesk.com www.autodesk.com	Telephone: Email:	01252 456 600 eric.henry@autodesk.com	
	Programme Name	Qualification	Duration	Fees
1.	Moldflow Insight Basic	Cert attend	4 day	£1760
2.	Moldflow Insight Performance	Cert attend	2 day	£880
3.	Moldflow Insight Advanced	Cert attend	1 day	£440

Blow It All Ltd				
Address:	Sabrina House 20 King Charles Way Bridgnorth Shropshire WV16 4JY	Contact Name: Position:	Nick Thacker Owner	
Telephone: Fax: Email: Website:	01746 768 811 admin@blowitall.com www.blowitall.co.uk	Telephone: Email:	01746 768 811 admin@blowitall.com	
	Programme Name	Qualification	Duration	Fees
1.	Extrusion Blow Moulding		2-5 days	£795 + VAT per day +expenses
2.	Rigid Plastics - caps and bottles		2-5 days	£795 + VAT per day +expenses

G&A Moulding Technology Limited				
Address:	26 Tresham Road Orton Southgate Peterborough PE2 6SG	Contact Name: Position:	Pat Goff Director	
Telephone: Fax: Email: Website:	01733 232211 01733 231902 mail@gandamoulding.co.uk www.gandamoulding.co.uk	Telephone: Email:	01733 232211 patgoff@gandamoulding.co.uk	
	Programme Name	Qualification	Duration	Fees
1.	Mould Mounting		3 day	£475
2.	Fundamentals of Injection Moulding		4 day	£895
3.	Melt Preparation and Plasticisation		3 day	£695
4.	Process Control Technology		3 day	£695
5.	Materials Technology		3 day	£695
6.	High Performance Moulding		4 days	£895
7.	Hot Runner		3 day	£895
8.	Design for Manufacture		3 day	£895

Independent Polymer Technology Ltd ,				
Address:	Unit F4, Halesfield 23, Telford, Shropshire, TF7 4NY	Contact Name: Position:	Dr Joanne Waterson Director	
Telephone: Fax: Email: Website:	01952 588 591 enquiries@ipolytech.com www.ipolytech.com	Telephone: Email:	01952 588 591 jwaterson@ipolytech.com	
	Programme Name	Qualification	Duration	Fees
1.	Introduction to Polymer Technology		2 day	£390
2.	Polymer Basics		1 day	£195

iSmithers Rapra				
Address:	Shawbury Shrewsbury Shropshire SY4 4NR	Contact Name: Position:	Gill Tunnicliffe Business Manager, Training	
Telephone: Fax: Email: Website:	+44 (0) 1939 252412 training@ismithers.net www.ismithersd.net	Telephone: Email:	1939 252408 gtunnicliffe@ismithers.net	
	Programme Name	Qualification	Duration	Fees
1.	Introduction to Plastics Technology		2 day	£525
2.	Introduction to Rubber Technology		2 day	£525
3.	Plastics Materials & Products		2 day	£525
4.	Introduction to Silicone Elastomers		1 day	£325
5.	Polyurethanes: Science, Applications, Technology		2 day	£525
6.	Thermoplastic Elastomers		2 day	£525
7.	Plastics Injection Moulding Technology		2 day	£525
8.	Plastics Injection Mould Design		2 day	£525
9.	Exploring Plastics Extrusion		2 day	£525
10.	Coextrusion: Sheet and Film		1 day	£325
11.	Coextrusion: Pipe and Blow Moulding		1 day	£325
12.	Plastic Product Design		2 day	£525
13.	Principles of Rubber Bonding		2 day	£2 day
14.	Plastic Medical Materials & Processing Technology		2 day	£525

Plastic Training Solutions				
Address:	73 Churchill Drive Marske-by-the-Sea Redcar TS11 6AY	Contact Name: Position:	Ian Francis Owner	
Telephone: Fax: Email: Website:	01642 481 323 www.plasticstrainingsolutions.co.uk	Telephone: Email:	07769 251 679 info@plasticstrainingsolutions.co.uk	
	Programme Name	Qualification	Duration	Fees
1.	Injection Moulding Processing	N/SVQ Levels 1-3	up to 5 day	negotiable

Polybridge Training Ltd				
Address:	42 Linley View Drive Bridgnorth Shropshire WV16 4RT	Contact Name: Position:	David Jeavons Director	
Telephone: Fax: Email: Website:	01746 761 875 01746 761 875 info@polybridgetraining.co.uk www.polybridgetraining.co.uk	Telephone: Email:	07774 732 129 info@polybridgetraining.co.uk	
	Programme Name	Qualification	Duration	Fees
1.	Injection Moulding Process & Design		3 day	£730
2.	Injection Moulding Design & Procurement		2 day	£550
3.	Injection Moulding Theory & Practice		2 day	£550
4.	Understanding Process technology		2 day	£550
5.	Injection Moulding Working Safely		1 day	£125

PSC Associates				
Address:	9 Saffron Court Shoreham-by-sea West Sussex BN43 6JF	Contact Name: Position:	Peter Cracknell	
Telephone: Fax: Email: Website:	01273 885 914	Telephone: Email:	01273 885 914 peter.cracknell3@ntlworld.com	
	Programme Name	Qualification	Duration	Fees
1.	Injection Moulding Design	NVQ 2 to postgrad	3 day	£1950*
2.	Plastic Part Design	introductory	2 day	£1300
3.	Plastic Part Design	NVQ 2	3 day	£1950
4.	Plastics Materials Selection	NVQ 2 to postgrad	3 day	£1950
5.	Plastic Part Design, Mould Design & Material Selection	introductroy	5 day	£3250
6.	Engineering & High Performance Polymers	postgrad	3 day	£1950
7.	Commodity Themoplastics, Mould & Part design	introductory	3 day	£1950
8.	Plastic Product Design Troubleshootong	NVQ 2	2 day	£1300
9.	Medical Plastics	introductory	3 day	£1950
10.	Commodity Thermoplastics	NVQ 2	2 day	£1300
11.	Injection Moulding Technology	NVQ 2 to postgrad	2 day	£1300
12.	Vacuum Forming Technology	NVQ 2	2 day	£1300
13.	Advanced Level Plastic Part design	postgrad	3 day	£1950
14.	Plastics Workshop Risk Assessment	NVQ 2	2 day	£1300

*Tutor fee for course on customer premises; travel and subsistence additional

Solutions 4 Polymers Ltd				
Address:	Mablen House 45 New Road Burntwood Staffordshire WS7 0BN	Contact Name: Position:	Andy Barnard Managing Director	
Telephone: Fax: Email: Website:	01543 674 525 www.s4pltd.co.uk	Telephone: Email:	07773 373 127 andy@s4pltd.co.uk	
	Programme Name	Qualification	Duration	Fees
1.	Polymer Processing & Related Operations	N/SVQ		POA
2.	Injection Moulding	bespoke		POA
3.	Blow Moulding			POA
4.	Extrusion			POA
5.	Thermoforming			POA
"	Packaging			POA
!"	Composites			POA

2.5.4. Machinery Suppliers

Arburg Ltd				
Address:	Tachbrook Drive Warwick CV34 6RH	Contact Name: Position:	Robin Hambrook Service Manager	
Telephone: Fax: Email: Website:	01926 457 000 01926 457 030 uk@arburg.co.uk www.arburg.com	Telephone: Email:	01926 457 031 robin_hambrook@arburg.com	
	Programme Name	Qualification	Duration	Fees
1.	Machine Setting		2 day	£325
2.	SELOGICA Familiarisation		1 day	£145
3.	Material selection and Processing		2 day	£325
4.	Service Course		2 day	£325

Demag Hamilton Ltd				
Address:	Accent House Triangle Business Park Wendover Road Stoke Mandeville, Bucks HP22 5BL	Contact Name: Position:	Dave Nash Training and Project Manager	
Telephone: Fax: Email: Website:	01296 739500 01296 739501 www.demag-hamilton.co.uk	Telephone: Email:	01296 739500 training.uk@dpg.com	
	Programme Name	Qualification	Duration	Fees
1.	ERGOTECH Machine Setting		2.5 day	£495
2.	Optimisation of ERGOTECH Machines		2.5 day	£495
3.	Moulding Defects: Recognition and Rectification		2 day	£395
4.	Processing for Quality		5 day	£880
5.	Materials technology		5 day	£880
6.	Appreciation of Injection Moulding		2 day	£395
7.	Introduction to Two-Shot moulding		3 day	POA
8.	Maintenance course		5 day	£880

Engel UK Ltd				
Address:	Apollo Way CV34 6RW	Contact Name: Position:	Mike Madden Training Manager	
Telephone: Fax: Email: Website:	01926 335 000 01926 336 677 euk@engel.at www.engelglobal.com/uk	Telephone: Email:	01926 334 000 service.uk@engel.at	
	Programme Name	Qualification	Duration	Fees
1.	Engel Operator Basic		2 day	£480
2.	Engel Operator Advanced		2 day	£440
3.	Engel Robot Basic		2 day	£440
4.	Engel Robot Advanced		2 day	£440
5.	Engel Control Basic		2 day	£440
6.	Engel Control Advanced		2 day	£440
7.	Engel Control:Electric Machines		2 day	£440
8.	Engel hydraulics		2 day	£440

Krauss-Maffei (UK) Ltd				
Address:	Europa Boulevard Gemini Business Park Warrington Cheshire WA5 7TR	Contact Name: Position:	Roger Ewers Training Manager	
Telephone: Fax: Email: Website:	01925 644 100 01925 234 284 info@kraussmaffei.co.uk www.kraussmaffei.co.uk	Telephone: Email:	01925 644 100 training@kraussmaffei.co.uk	
	Programme Name	Qualification	Duration	Fees
1.	Machine Familiarisation		3 day	£715
2.	Control Systems		3 day	£715
3.	Machine Maintenance		3 day	£715
4.	Introduction to Robots		2 day	£475
5.	Robot Programming		2 day	£475
6.	Hydraulics		2 day	£475

Negri Bossi UK Ltd				
Address:	Unit 2 Titan Business Centre, Spartan Close Tachbrook Park Warwick CV34 6RR	Contact Name: Position:	Ian Thorp Training Officer	
Telephone: Fax: Email: Website:	01926 420303 01926 338271 sales@negribossi.co.uk www.negribossi.co.uk	Telephone: Email:	01926 420303 ianT@negribossi.co.uk	
	Programme Name	Qualification	Duration	Fees
1.	Machine Familiarisation and Basic Setting		2 day	£450 / 980*
2.	Machine and Process Optimisation		2 day	£450 / 980*
3.	Cambio Machine Maintenance and Diagnostics		2 day	POA
4.	Vector Machine Maintenance and Diagnostics		2 day	POA

*Higher fee for courses on customer premises

Sandretto Ltd				
Address:	Leigh Road, Haynes Way Swift Valley Ind Estate Rugby CV21 1DS	Contact Name: Position:	Sue Montgomery	
Telephone: Fax: Email: Website:	01788 544 221 01788 542 195 info@sandretto.co.uk www.sandretto.co.uk	Telephone: Email:	01788 544 221 welcome@sandretto.co.uk	
	Programme Name	Qualification	Duration	Fees
1.	Machine Familiarisation & Setting		2 day	£300

2.6 Flexible Learning

A. Routsis Associates, Inc.				
Address:	275 Donohue Rd., Suite 1 Dracut, MA USA 1826	Contact Name: Position:	Andy Routsis President	
Telephone: Fax: Email: Website:	978 957 0700 978 957 1860 info@traininteractive.com www.traininteractive.com	Telephone: Email:	andyr@traininteractive.com	
	Programme Name	Qualification	Duration	Fees
1.	Injection Moulding (17 programmes)			\$97 - \$497
2.	Extrusion (4 programmes)			\$197 - \$597
3.	Blow Moulding (3 programmes)			\$197 - \$497
4.	Mould and Part Design (2 programmes)			\$597 - \$797

London Metropolitan University				
Address:	London Metropolitan Polymers Centre BR105 Tower Building 166-220 Holloway Road London N7 8DB	Contact Name: Position:	Dr Matthew Philip Academic Leader, 41-71 Commercial Rd, London E1 1LA	
Telephone: Fax: Email: Website:	020 7423 0000 020 7320 1830 polymers@londonmet.ac.uk www.londonmet.ac.uk/polym ers	Telephone: Email:	020 7320 1829 m.philip@londonmet.ac.uk	
	Programme Name	Qualification	Duration	Fees
1.	Manufacture & Design for Polymer Products (IGDS)	MSc		
2.	Polymer Technology	FDS		
3.	Polymer Technology (Polyflex)	University Certificate		

Paulson Training Programs, Inc.				
Address:	3 Inspiration Lane PO Box 366 Chester, Connecticut USA 6412	Contact Name: Position:	Larry Mercugliano International Sales Manager	
Telephone: Fax: Email: Website:	info@paulsontraining.com www.paulsontraining.com	Telephone: Email:	larrym@paulsontraining.com	
	Programme Name	Qualification	Duration	Fees
1.	Injection Moulding (19 programmes)	operators to engineers		\$2195 - \$6895
2.	Extrusion (10 programmes)	technicians to engineers		\$2195 - \$8795
3.	Blow Moulding (1 programme)	technicians to engineers		\$6595
4.	Polymer Materials (10 programmes)	technicians to engineers		\$545

Rauwendaal Extrusion Engineering, Inc.				
Address:	10556 Combie Rd # 6677 Auburn CA 95602-8908 USA	Contact Name:	Sietske Rauwendaal	
Telephone:	530.269.1082	Telephone:		
Fax:		Email:	sietske@rauwendaal.com	
Email:				
Website:	www.rauwendaal.com			
	Programme Name	Qualification	Duration	Fees
1.	Introduction to Injection Moulding (2 sessions)			\$750
2.	Injection Moulding and Plastic Properties (3 sessions)			\$1100
3.	Statistical Process Control for Injection Moulding (6 sessions)			\$2200
4.	ITX Interactive Extrusion Training (7 sessions)			\$750 per session

For more information on
Cogent visit our website:
www.cogent-ssc.com

or contact us on: 01925 515 200

Cogent SSC, Unit 5, Mandarin Court,
Centre Park, Warrington WA1 1GG