## -SQA-SCOTTISH QUALIFICATIONS AUTHORITY

## Hanover House 24 Douglas Street GLASGOW G2 7NG

## NATIONAL CERTIFICATE MODULE DESCRIPTOR

-Module Number-	0064317 -Session-1986-8		-Session-1986-87	
-Superclass-	KE			
-Title-	RESIST FILM PROCESSING			
-DESCRIPTION-				
Type and Purpose	A <u>specialist</u> module intended to introduce the principles of dry resist film processing.			
Preferred Entry Level	04316 Plating and Etching of Printed Circuits			
Learning Outcomes	The student should:			
	1.	select from manufacturers da resist for listed purposes;	ta, the appropriate	
	2.	know and apply the spectral s polymer (riston) materials;	sensitivity of photo	
	3.	know other methods in which applied;	other resists can be	
	4.	apply a photo resist onto a pr board.	epared laminated	
Content/ Context	Corresponding to the Learning Outcomes:			
	1.	selection to be made from a consideration of laminating temperature range, exposure requirements, resolving limitations and chemical etchant resist.		
	2.	the correct sources for expos the appropriate safe lights co and negative acting photo-po	ing photo-polymers, nditions and positive lymers.	

	3.	methods to include etch resists, photo-resists, plating resists, and solder resists in which photo-polymers can be used.	
	4.	clean smooth copper surface onto which the photo-polymer resist film is thermally pressed.	
Suggested Learning and Teaching Approaches	This module should be taught in a properly equipped laboratory with full access to:		
	(a)	hot and cold running water;	
	(b)	switched normal lighting and reduced red/orange. At all times examples of the skills being taught should be shown as a demonstration.	
Assessment Procedures	All learning outcomes must be validly assessed.		
	The student must be informed of the tasks which contribute to summative assessment. Any unsatisfactory aspects of performance should, if possible, be discussed with the student as and when they arise.		
	Acceptable performance in the module will be satisfactory achievement of the performance criteria specified for each learning outcome.		
	The following abbreviations are used below:		
	LO IA PC	Learning Outcome Instrument of Assessment Performance Criteria	
	LO1	IA Observation checklist.	
	PC	The student correctly selects material on request and in practical work throughout the module.	
	LO2	IA(1)Short answer item test.	
	PC	The student displays adequate knowledge of the content.	
	IA(2)Densiometric Tablet test.		
	PC	The student successfully produces:	
	(a)	a standard tablet;	
	(b)	a resolution test.	

- IA(3) Manufactured densiometric tablet.
- PC The student uses the densiometric tablet successfully and tests the resolution of the "riston" chosen using a standard resolution tool.
- LO3 IA Short answer item test.
- PC The student displays adequate knowledge of the content.
- LO4 IA Finished product.
- PC The student produces the completed article in which:
- (a) there is no creasing;
- (b) the riston is uniformly adhered;
- (c) there are no air bubbles;
- (d) there is no heat cracking or splitting of the riston.