

## L3 Diploma in Advanced Manufacturing Engineering (Development Knowledge)

### SIGTA Course Offer

#### Qualification Specification

This qualification provides learners with knowledge and understanding of a complex blend of skills, knowledge and occupational behaviours across Advanced Manufacturing Engineering disciplines. The qualification covers the advanced knowledge, understanding and skills that are required by someone working in the Advanced Manufacturing Engineering sector.

Awarding Body: **EAL**  
Qualification Code: **603/1353/5**

Total Qualification Time (Hours): **1200**  
Guided Learning Hours: **750**

#### Year One

##### Mandatory Units

EAL Code	Assessment Route Title
AMEDK3/001	Health and Safety in the Engineering Workplace
AMEDK3/002	Communications for Engineering Technicians
AMEDK3/003	Mathematics for Engineering Technicians

##### Selected Units

EAL Code	Assessment Route Title
AMEDK3/005	Mechanical Principles of Engineering Systems
AMEDK3/006	Electrical and Electronic Principles in Engineering
AMEDK3/023	Engineering Drawing for Technicians

#### Year Two

EAL Code	Assessment Route Title	Mechanical	Electrical/ Electronic	Maintenance
AMEDK3/004	Engineering Project	Y	Y	Y
AMEDK3/007	Properties and Applications of Engineering Materials	Y		
AMEDK3/008	Further Mechanical Principles of Engineering Systems	Y		
AMEDK3/009	Applications of Mechanical Systems in Engineering	Y		
AMEDK3/014	Further Mathematics for Engineering Technicians	O	O	O
AMEDK3/054	Engineering Inspection and Quality Control	O	O	O
AMEDK3/015	Engineering Maintenance Procedures and Techniques			Y
AMEDK3/016	Maintenance of Mechanical Systems			Y
AMEDK3/019	Three-Phase Motors and Drives		Y	Y
AMEDK3/062	Analogue Electronics		Y	
AMEDK3/068	Digital Systems		Y	

Note: Either AMEDK3/014 or AMEDK3/054 must be selected in year 2.

Additional units can be made available subject to demand and delivery resources.

