



Innovation  
Manufacturing  
Engineering  
Technology

## Level 3 Advanced Apprenticeships

### COMPOSITES TECHNICIAN



#### KNOWLEDGE & SKILLS

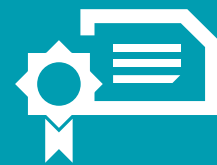
Our Composites Technician apprenticeship is designed for those who provide technical support to engineers within a Composites Manufacturing environment. Apprentices will develop knowledge & skills in the disciplines of design, mould tool making and preparation, part lay-up, curing, testing, inspection, repair and material science, by completing a range of mandatory and optional units.



1 day per  
week/block  
release study

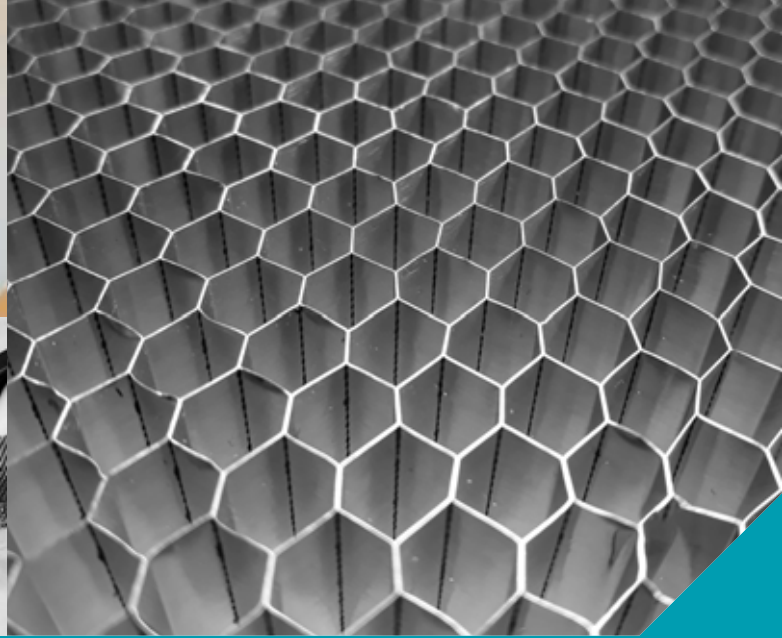


36 months



BTEC Level 3 Diploma  
in Composites Engineering  
  
NVQ Level 3 Composites  
Engineering (QCF)

On completion, eligible to apply for Engineering Technician (EngTech) status with the Institute of Materials (IOM3) and/or the Institution of Mechanical Engineers (IMechE).



### MANDATORY UNITS :

- Health and Safety in the Engineering Workplace
- Engineering Drawing for Technicians
- Principles of Working Effectively and Efficiently within Composites Engineering
- Business Improvement Techniques
- Composite Materials
- Composites Manufacturing Processes
- Composites Engineering Product Design and Manufacture
- Defects, Detection and Repair Processes in Composites Mouldings
- Composites Engineering Project



### OPTIONAL UNITS INCLUDE :

- Making Composite Parts Using Prepreg Materials
- Wet Layup Techniques
- Making Composite Parts Using Resin Infusion Techniques (VRTM and RTM)
- Mathematics for Engineering Technicians
- Mechanical Principles of Engineering Systems
- Computer-aided Drafting in Engineering
- Applications of Computer Numerical Control in Engineering



### HOW IS IT ASSESSED?

Assessment is completed both in the workplace and at iMET across the duration of the apprenticeship. Following an end-point assessment interview, successful candidates will be awarded the relevant qualifications.



### WHAT ARE THE ENTRY REQUIREMENTS?

Candidates must be in possession of a minimum of four GCSEs including English, Maths and Science. Candidates must also be a in relevant job role and attend an interview.



### COSTS

These will vary according to the company size and age of apprentice and only applies to employers. Apprentice candidates do not pay apprenticeship course fees.



### HOW IS IT DELIVERED?

A combination of technical teaching, project work and research assignments will be delivered at iMET alongside competency-based training completed in the workplace.



### ELIGIBILITY

Apprentice candidates should not be on any other Government-funded training; must hold a contract of employment of at least 30 hours per week and must not be self-employed. Residency conditions apply and apprenticeship candidates must be at least 16 years old.



### NEXT STEPS

Apprenticeships are available to both existing and new members of staff. Please contact us to discuss your requirements on 01480 379279 or by emailing [hello@imet.co.uk](mailto:hello@imet.co.uk).