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**CHILL DARÁ AGUS CHILL MHANTÁIN**

**KILDARE AND WICKLOW**  
EDUCATION AND TRAINING BOARD

## Manufacturing Technician Traineeship



-  @kwetbtraining
-  @kwetbtrainingservices
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[www.kwetbmarinehouse.ie](http://www.kwetbmarinehouse.ie)

# Manufacturing Technician Traineeship

- **Location:** Celbridge, Co. Kildare
- **Duration:** 42 weeks, full time, blended learning (classroom & online) plus 10 weeks working in-company
- **Objective:** To develop operational competence in the broad field of maintenance of industrial mechanical and electrical systems
- **Prior Knowledge:** No technical knowledge is assumed prior to course start
- **Accreditation:** QQI Level 6 Major Award in Maintenance Skills Technology

## Modules Include

- **Electrical Principles (6N2049)**  
Covers the principles underpinning the functioning of electrical circuits to understand and work safely with electric circuits.
- **Programmable Logic Controllers (6N5370)**  
Covers how to program and locate faults in a programmable logic controller (PLC)
- **Mechanical Maintenance Skills (6N5372)**  
Covers how to perform fault finding and repair tasks for mechanical maintenance.
- **Electronics (6N5374)**  
Covers how to design and build complex electronic circuits.
- **Industrial Electrical Systems (6N5377)**  
Covers how to diagnose industrial faults and to carry out repairs/replacements safely.
- **Mathematics for Information Technology (5N18396)**  
Covers a broad range of mathematical skills and tools to a wide variety of contexts.
- **Communications (6N1950)**  
Covers how to communicate verbally and non-verbally in a comprehensive range of everyday tasks and in work-related tasks.
- **Work Experience (6N1946)**  
Allows a learner participate in the workplace for a limited time, carrying out work-related tasks autonomously and/or in a supervisory capacity.
- **Control Systems (C&G)**  
Covers how robotics, PLC's and control systems integrate to provide a complex automated control system in the field of automation.

