

Industrial Electrical Safety & Systems

This course is designed for industrial manufacturing and maintenance personnel, to support their understanding of industrial electrical systems, to allow them to work on industrial equipment, and to diagnose and repair electrical faults in production equipment.



For more information and to apply, visit
www.celtec.ie/iess



Course Learnings



Industrial Electrical Safety

Apply safe isolation, switching, and electrical safety procedures while understanding the health and safety legislation governing work on industrial electrical systems.



Industrial Electrical Systems

Develop a working knowledge of the construction, operation, and application of industrial electrical control systems used in manufacturing and maintenance environments.



Electrical Control and Maintenance

Build the skills required to maintain industrial electrical control systems effectively, ensuring reliable operation and compliance with industry best practice.



Fault Diagnosis and Repair

Develop the ability to systematically diagnose and repair electrical faults on industrial production equipment using logical fault-finding techniques.



Practical Industrial Competence

Gain the practical knowledge and confidence to work safely on industrial electrical equipment through hands-on training in real-world manufacturing and maintenance scenarios.



APPLY

2 October 2026

12 November 2026

AT A GLANCE



DURATION

5 Non-Consecutive
Classroom Days



LOCATION

CELTEC, Celbridge, Co.
Kildare, W23 HCK2



DELIVERY

Classroom Based



SUITABILITY

Those in employment in the
Kildare and Wicklow regions



COST

This course is partially funded
under the Skills To Advance
initiative for eligible applicants



COURSE REQUIREMENT

Applicants must have prior
technical experience or
knowledge and/or exposure to
an industrial electrical
environment



CERTIFICATION

QQI Level 6 Minor Award in
Electrical Principles (6N2049)