

T-LEVEL ENGINEERING & MANUFACTURING

MAINTENANCE, INSTALLATION AND REPAIR

Course content

In the first year of study, learners will cover core content which covers the underpinning knowledge, concepts and skills.

First Year Core topics include:

- Health and safety principles
- Engineering and manufacturing
- Mathematics and science for engineering and manufacturing
- Materials and their properties
- Mechanical principles
- Electrical and electronic principles
- Project and programme management
- Business, commercial and financial awareness.

In the second year of study, learners will focus on an occupational specialism from the below:

- Construction and operation of standard power conversion systems
- Application of component classification, numbering and referencing systems
- Skills to select and use tools, equipment, machinery and technology safely and effectively to complete maintenance, installation and repair activities

Entry requirements

5 GCSEs at grades 4-9 including English literature or language and maths

Career progression

Successful completion of this course can lead to higher level apprenticeships or employment with major engineering companies, or higher education at a University in a wide range of subjects such as engineering, marine engineering, mechanical engineering or electrical power.

New opportunities in Nuclear waste and decommissioning means that West Cumbria could enjoy £90billion of investment in energy related projects and nuclear decommissioning in the next 15 years.

“Leaders, the chief executive officer (CEO), and governors are highly ambitious for all pupils...they enable pupils to develop into well-rounded individuals who are ready for the world of work.”

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