

Learners will follow a core module that will develop:

All students will develop a general understanding of construction, including:

- health and safety
- the science behind building design, surveying and planning
- making accurate and appropriate measurements
- construction methods
- building regulations and standards
- data management and information standards in construction
- relationship management and customer service
- how the Internet of Things (IoT) impacts construction
- digital engineering techniques
- mathematical techniques to solve construction problems
- construction design principles and processes
- the construction industry and its role in the economy
- sustainability and the environmental impact of construction
- business, commerce and corporate social responsibility

They will also learn about topics specific to design, surveying and planning, including:

- project management
- budgeting and resource allocation
- procurement
- risk management

Pathway:

In addition to the core content, learners will also study the following specialisms:

- surveying and design for construction and the built environment

LDE UTC will offer learners a unique learning experience through practical real-life projects which will be led by industry experts. Learners will be taught by teachers who have industry experience and are well established classroom practitioners.

Our learners have the opportunity to join additional societies to widen their skillset and knowledge.