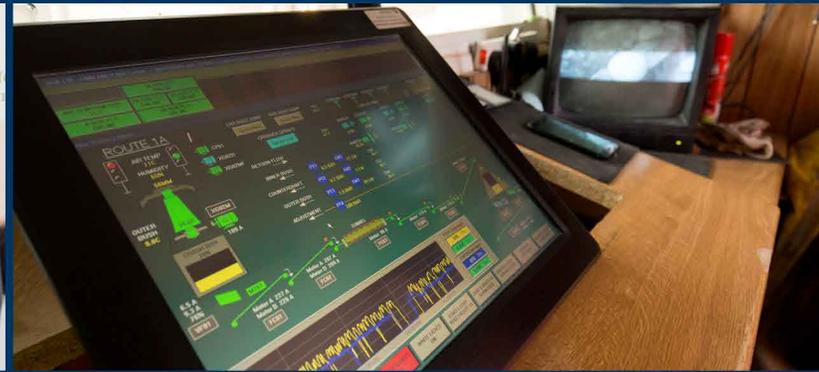


## Centre for Mineral Products

# Higher Apprenticeship in Mineral Products Technology



Professional Development



# Higher Apprenticeship in Mineral Products Technology

## How long does it take?

Three years of part time study

## How is it studied?

It's work based - learners study online and at workshops at the University of Derby

## Entry Requirements?

As a minimum we would require GCSE Maths, English and Science at grades A to C and A levels in any two subjects, or equivalent qualifications or experience.

## Start date?

September

“This programme brings enthusiastic young people into the sector and gives them the training and skills they need to become the next generation of supervisors, managers and leaders”

**Senior Vice President – Tarmac  
Martin Riley**

## About the programme

Higher Apprenticeships are an excellent way of developing and motivating the workforce to maximise the potential of a business. Apprentices benefit from a completely tailored path to higher qualifications, and the business benefits too:

- Improved bottom line
- Fill any skills gaps
- Motivate staff
- Shape the workforce
- Develop leaders and managers of the future.

Aimed at attracting young people into the industry, the Higher Apprenticeships in Mineral Products Technology has been designed in partnership with industry organisations and leading professional bodies.

It combines practical skill development with higher education qualifications developing competence in the real-life environment of the workplace and preparing apprentices for future management and leadership roles.

The following sector specific pathways are available within the Higher Apprenticeship in Mineral Products Technology:

- Mineral Extractives
- Asphalt and Pavement
- Cement
- Concrete
- Clay



## What you'll study

The first year of study provides apprentices with a solid foundation for their career. They will study these generic modules:

- Personal Learning and Thinking Skills  
Introduction to the Mineral Products
- Industry

In the second year, apprentices study three modules. The generic module “First Line Supervisory Management” and two technical modules relevant to their sector specialism.

### Mineral Extractives

- Introduction to Extractives Technology
- Minerals Processing

### Asphalt and Pavement

- Introduction to Asphalt Technology
- Pavement Management and design

### Cement

- Introduction to Cement Technology
- Raw Materials Processing

### Concrete

- Introduction to Concrete Technology
- Concrete constituents and types

### Clay

- Evaluation and investigation
- Winning and Preparation

In the third year apprentices study a further three modules. The generic “Work Based Study” module and two technical modules relevant to their sector specialism:

### Mineral Extractives

- Minerals Management
- Blasting Operations

### Asphalt and Pavement

- Pavement Solutions
- Contracts Management

### Cement

- Process Engineering
- Clinker Processing

### Concrete

- Concrete in Construction
- Durable Concrete Structures

### Clay

- Forming
- Drying and Firing

During the programme apprentices will work to achieve the level 4 QCF Diploma in Health, Safety and Environmental Management (SHE4).

## Employer Support

Apprentices work alongside experienced staff to gain job-specific skills, whilst also studying at the University of Derby. Study is blended, most is work based, supported by online learning and project weeks at the University and in the field. This approach reduces time away from the workplace and ensures that learners can continue to study wherever they are.

## Continuing professional development

On completion of the Higher Apprenticeship, apprentices can choose to continue their studies and progress to achieve a full honours degree.

## Contact us

### Centre for Mineral Products

Enterprise Centre  
Bridge Street  
Derby  
DE1 3LD

T: +44 (0)1332 597959

E: [mineralproducts@derby.ac.uk](mailto:mineralproducts@derby.ac.uk)

