

Why choose this course?

Certificate of Achievement in Concrete Technology

A Higher Education Level 4 Qualification with 45 credits



Concrete plug image courtesy of Sika.

Changing demands to the construction sector are driving a need for an even more competent and qualified workforce.

The Concrete Society in conjunction with the Institute of Quarrying, Institute of Asphalt and University of Derby Corporate have developed a qualification for the construction industry which supports this requirement. The **Certificate of Achievement in Concrete Technology** is aimed at technicians and technologists who are seeking formal recognition for their knowledge and experience. Technical Managers and support personnel, who need proficient and broader-based knowledge of the science of concrete and its properties, would also benefit from this qualification. For companies seeking to provide training paths and recognition of its workforce, it is an ideal qualification to enhance their profile within the industry.

The programme is delivered online in three e-modules, enabling participants to work at their own pace to meet specific assignment and examination dates and will be mentored by a dedicated tutor. The e-modules include key topics pertaining to modern methods of construction which cover:

- Introduction to Concrete
- Properties & Constituents
- Process & Quality

Assessment is made via assignment and the **Certificate of Achievement in Concrete Technology** is awarded on examination success by the University of Derby.

Module 1 Introduction to Concrete	Module 2 Properties and Constituents	Module 3 Process and Quality
<ul style="list-style-type: none"> • Properties of aggregates • Test methods • Cement and admixtures • Specifications and production • Test methods and quality control • Laboratory Health and Safety when sampling • Concrete mix design • Cement bound granular mixtures • Using concrete in construction 	<ul style="list-style-type: none"> • Health and Safety • Cements • Additions and admixtures • Aggregates and tests • Fresh/hardening concrete • Testing concrete • Durability of concrete • Standards/Specifications • Self compacting concrete • Environmental aspects 	<ul style="list-style-type: none"> • Mix design • Concrete production • Compaction and surface finish • Repairing concrete • Formwork and falsework • Precast concrete • Floor and ground slabs • Reinforced/Pre-stressed • Quality control • HBM for roads • Assessing construction

This qualification replaces the City & Guilds 5800 and 6290 series, which are being phased out during 2010/2011. This certificate is awarded at Level 4 with 45 credits.

Next step!

Register your interest in this programme now –

www.concrete.org.uk/education/CACT

