



Andrew Newman
Development Manager
City & Guilds
1 Giltspur Street
London
EC1A 9DD

01 September 2015

Dear Andrew

City & Guilds Level 3 Advanced Technical Certificate in Engineering (601/4535/3)
City & Guilds Level 3 Advanced Technical Diploma in Engineering (540) – (601/4507/9)
City & Guilds Level 3 Advanced Technical Extended Diploma in Engineering (720) – (601/4506/7)

We feel the above qualifications are suitable for a young person between the ages of 16-19 studying full time and will give that young person an advantage when applying for a job or progressing onto an apprenticeship.

Celbius is a specialist ultrasound bioprocessing and biotechnology company based at Cranfield University. The technology is used to enhance fermentation for products such as bioethanol, renewable chemicals and pharmaceutical ingredients, and moreover can be employed in the extraction of valuable phytochemicals, biologically active and bioactive compounds from diverse biomass.

Our commitment to education and training is primarily aimed at the post-graduate level where we have Masters and PhD students working on company projects. However, as we expand we have every intention of taking on junior members of staff and training them accordingly in-house and via continuing part-time education. Indeed the endorsed qualification will be the basis for any individual looking into full-time study to degree level science, technology and engineering. These individuals will ideally have a good technical grounding in engineering and science and be capable of studying to degree level and beyond and as appropriate.

We believe that these qualifications offer the following benefits:

- Provides junior members of staff with valuable awareness and/or understanding of process engineering in relation to biorefining and biotechnology
- Offers staff the potential for progression and development in bioprocess, chemical process, chemical engineering and biotechnology sectors
- Awareness of new technologies and industries that will benefit the UK economy
- Developing the vocational skills and academic knowledge required for exploitation of emerging technologies.

We confirm that we consent to our organisation's name and logo being made publicly available on the DfE and City & Guilds websites.

Yours sincerely,

Dr Graham Ruecroft
Celbius Ltd
CUBIC, Building 45, Cranfield University
Bedfordshire MK43 0AL Tel:
07532 498336
graham.ruecroft@celbius.com