

BEng (Hons) Fire Engineering

3rd intake in 2008

University of Central Lancashire

Supported by: The Institution of Fire Engineers (HK Branch)



Programme code : 82924

Duration & study mode : 2 - 3 years (part-time)

Programme Aim & Objective

This programme is concerned with the study of fire development and prevention and the means by which its consequence may be reduced to a minimum in both human, environmental and finance terms and emphasizes Fire Engineering in the context of the Built Environment, particularly its applications to buildings and infrastructure. The level of this programme is appropriate to those who will eventually hold senior management positions within the fire-related professions. The programme is delivered by regular part-time evening mode by local academics and industry practitioners.

Modules

Foundamental Modules

- Fire Protection 1
- Engineering Analysis 3
- Accidents & Catastrophes
- Enclosure Fire Dynamics
- Fire Protection 2
- Project Management
- Fire Science Dissertation
- Environment and Safety Law
- Probabilistic Risk Assessment
- Design Project 2
- Design Project 3

For Route 1 & 3 only

- Computer Aided Engineering

For Route 2 & 3 only

- Fire & Built Environment
- Introduction to Combustion & Fire
- Fluid Dynamics of Fire

For Route 3 only

- Management of Occupational Health and Safety
- Construction Technology 1
- Engineering Design Practice
- Law & Management
- Energy Transfer and Thermofluids
- Engineering Analysis 2
- IT & CAD

Entry

There are three entry points for eligible applicants with different qualification:

- **Route 1** (student only have to complete 180 credits in 2 years)
Holder of FDSc in Fire Safety Engineering (or equivalent qualification)
- **Route 2** (student only have to complete 230 credits in 2 years)
Holder of Higher Diploma / Associate Degree / HND (or equivalent qualification) in relevant discipline such as building, building services, electrical and mechanical engineering with mathematics course studied; OR Holder of a Higher Diploma in a relevant discipline other than the above listed who can demonstrate competence of Mathematics and have a minimum of 3 years of experience in a relevant profession
- **Route 3** (student have to complete 360 credits in 3 years)
HNC holders in relevant disciplines such as building, building services, electrical and mechanical engineering with mathematics course studies; OR Corporate member of the Institute of Fire Engineering (IFE); OR Mature students* of age 21 or above by the commencement of the programme who have relevant work experience can also apply for admission to this programme.

Applicants whose qualification were not taught and assessed in English may be required to demonstrate an English proficiency equivalent to IELTS 6.0.

**Interview will be arranged for mature applicants*

Special Features

- The BEng (Hons) Fire Engineering is approved by the Energy Institute's Accreditation and Approval Panel as a suitable exemplifying qualification for membership of the Energy Institute at the grade of Member.
- Students can also receive academic support by fire safety engineering professionals of CityU.
- Laboratories in CityU or other institutions will be used for practical experiments.

Teaching

100% qualified local academics and industry practitioners

Fee : HK\$4,500 per 10 credits

Commencement : September 2008

Website : www.cityu.edu.hk/ce/fire

Enquiries : (Tel) 2784 3225

(Email) gracec@cityu.edu.hk