ADVANCED CHEMICAL ENGINEERING (ONLINE – SEPTEMBER START - PART TIME) (MSc/PgDip/PgCert)

63UH81B1/63UH81VX/63UH81VZ

Duration: MSc 27 months part-time; PgDip 24 months part-time; PgCert 12 months part-time

Content: This programme emphasises the application of advanced techniques and packages to solve complex engineering problems. It offers students a broad range of subjects across the mechanical engineering disciplines in order to work in various industrial sectors.

Candidates shall be required to attend the following designated programme of courses:

Year 1

EG506D Separation and Product Purification (15 credit points)
EX501A Air and Water Pollution Control (15 credit points)
EG556Q Catalyst and Reactor Design (15 credit points)
EG55Q4 Process Design Layout and Materials (15 credit points)

Year 2

Select any two courses from the following:

EG503C Loss of Containment (15 credit points)
EG503G Computational Fluid Dynamics (15 credit points)
EG50S3 Safety and Risk Management (15 credit points)

Select any two courses from the following:

EG551E Applied Risk Analysis and Management (15 credit points)
EG551Z Process Plant, Equipment and Operations (15 credit points)
EG55Q5 Human Factors Engineering (15 credit points)

Year 3

EG59F2 MSc Individual Project (60 credit points)

Assessment: By a combination of written examination and course work as prescribed for each course. In addition MSc candidates must submit a dissertation on their individual project, and may be required to undergo an oral examination. The Degree of MSc shall not be awarded to a candidate who fails to achieve a CGS Grade of D3 or above in the individual project, irrespective of their performance in other courses.