

ADVANCED CHEMICAL ENGINEERING (ONLINE) (SEPTEMBER START) (MSc/PgDip/PgCert)

63UH81B1/63UH81VX/63UH81VZ

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

Content: 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)
EG557H	Advanced Process Control (15 credit points)

Year 2

Two from the following:

EG501G	Fire and Explosion Engineering (15 credit points)
EG503G	Computational Fluid Dynamics (15 credit points)
EG50S3	Safety and Risk Management (15 credit points)

Plus two from the following:

EG551E	Applied Risk Analysis and Management (15 credit points)
EG557B	Critical Minerals for Energy Transition and Sustainability (15 credit points)
EG55Q5	Human Factors Engineering (15 credit points)

(MSc candidates only)

EG59F2	MSc Individual Project (60 credit points) (continues into Year 3)
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Year 3 (MSc candidates only)

EG59F2	MSc Individual Project (60 credit points) (continued from Year 2)
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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.