

ADVANCED MECHANICAL ENGINEERING (ONLINE) (JANUARY START)
(MSc/PgDip/PgCert)

63UH30B1/63UH30VX63UH30VZ

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

EG556E	Finite Element Methods (15 credit points)
EG55Q2	Engineering Risk and Reliability Analysis (15 credit points)
EG503G	Computational Fluid Dynamics (15 credit points)
EM501A	Advanced Composite Materials (15 credit points)

Year 2

EG556T	Mathematical Optimisation (15 credit points)
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Plus one from the following:

EG552V	Marine and Wind Energy (15 credit points)
EG55G9	Riser Systems and Hydrodynamics (15 credit points)

Plus two from the following:

EG501G	Fire and Explosion Engineering (15 credit points)
EG506F	Structural Vibrations (15 credit points)
EG5077	Project Management (15 credit points)

Year 3 (MSc candidates only)

EG555N	MSc Individual Project (60 credit points)
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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.