

Engineering Council Examinations Timetable (May 2010)



The Engineering Council Certificate

To qualify for the award of the Engineering Council Certificate, passes must be gained in **six of the available units**. Four of the six units are compulsory, with the remaining two being chosen from a list of options. The entry requirement for the Engineering Council Certificate is passes in two 'A' levels (or their equivalent) in science subjects. All candidates must be registered prior to sitting any exam.

Note Candidates must complete 101 – 104, plus TWO from 105 – 108

<u>Unit</u>	<u>Exam Date & Time</u>	<u>Fee</u>
101 Mathematical techniques for engineering applications	17 May 2010 9:30 am – 12:30 pm	HK\$945
102 Properties of engineering materials	17 May 2010 2:00 pm – 5:00 pm	HK\$945
103 The principles of engineering science	18 May 2010 9:30 am – 12:30 pm	HK\$945
104 Engineering perspectives and skills	18 May 2010 2:00 pm – 5:00 pm	HK\$945
105 Mechanical and structural engineering	19 May 2010 9:30 am – 12:30 pm	HK\$945
106 Thermodynamic, fluid and process engineering	19 May 2010 2:00 pm – 5:00 pm	HK\$945
107 Electrical and electronic engineering	20 May 2010 9:30 am – 12:30 pm	HK\$945
108 Software and information systems engineering	20 May 2010 2:00 pm – 5:00 pm	HK\$945

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The Engineering Council Graduate Diploma

To qualify for the award of the Engineering Council Graduate Diploma, passes must be gained in **five technical units and a project**. The requirement for entry to the Engineering Council Graduate Diploma is successful completion of the Engineering Council Certificate or academic achievement deemed to be of an equivalent standard. All candidates must be registered prior to sitting any exam/project.

Note 1 Candidates may take either 203 or 204 but not both
(203 is designed to be most appropriate for mechanical or chemical engineers, 204 for civil engineers.)

Note 2 Candidates may take either 221 or 222 but not both.

Note 3 In addition to a project (232), candidates must complete five units from

- 201 – 203, 208 – 221 and 223 – 231, **or**
- 201 – 202, 204 – 221 and 223 – 231, **or**
- 201 – 203, 208 – 220 and 222 – 231, **or**
- 201 – 202, 204 – 220 and 222 – 231.

<u>Unit</u>	<u>Exam Date & Time</u>	<u>Fee</u>
201 Applied thermodynamics	20 May 2010 9:30 am – 12:30 pm	HK\$1315
202 The analysis of heat and mass transfer	19 May 2010 2:00 pm – 5:00 pm	HK\$1315
203 The analysis of the mechanics of fluids ^[note 1]	17 May 2010 2:00 pm – 5:00 pm	HK\$1315
204 Hydraulics and hydrology ^[note 1]	17 May 2010 2:00 pm – 5:00 pm	HK\$1315
208 Properties of materials for engineering applications	18 May 2010 9:30 am – 12:30 pm	HK\$1315
209 Mechanics of solids	19 May 2010 2:00 pm – 5:00 pm	HK\$1315
210 The analysis of engineering structures	19 May 2010 9:30 am – 12:30 pm	HK\$1315
211 The design of engineering structures	18 May 2010 2:00 pm – 5:00 pm	HK\$1315
213 Geotechnical engineering	19 May 2010 2:00 pm – 5:00 pm	HK\$1315
214 Engineering surveying	20 May 2010 9:30 am – 12:30 pm	HK\$1315
215 The analysis and design of electrical fields and circuits	18 May 2010 9:30 am – 12:30 pm	HK\$1315
216 Electrical machines and drives	20 May 2010 9:30 am – 12:30 pm	HK\$1315

Engineering Council Examinations Timetable (May 2010)



217	Electrical energy systems	18 May 2010	2:00 pm – 5:00 pm	HK\$1315
218	Electronic systems engineering	19 May 2010	9:30 am – 12:30 pm	HK\$1315
219	Telecommunication systems engineering	17 May 2010	2:00 pm – 5:00 pm	HK\$1315
220	Quality and reliability engineering	20 May 2010	9:30 am – 12:30 pm	HK\$1315
221	Analysis and design of manufacturing systems ^[note 2]	19 May 2010	9:30 am – 12:30 pm	HK\$1315
222	The management of construction projects ^[note 2]	18 May 2010	2:00 pm – 5:00 pm	HK\$1315
223	The management of engineering enterprises	24 May 2010	2:00 pm – 5:00 pm	HK\$1315
224	Advanced mathematical techniques for engineering applications	24 May 2010	9:30 am – 12:30 pm	HK\$1315
226	The technology of manufacturing processes	19 May 2010	2:00 pm – 5:00 pm	HK\$1315
227	Control systems engineering	21 May 2010	2:00 pm – 5:00 pm	HK\$1315
231	Computer systems engineering	20 May 2010	2:00 pm – 5:00 pm	HK\$1315
232	Project		N/A	HK\$4320

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The Engineering Council Postgraduate Diploma

Candidates aspiring to CEng registration may need to undertake further study as outlined in UK SPEC. The Engineering Council Postgraduate Diploma is the Engineering Council Examinations further learning to MEng standard. To qualify for the award of the Engineering Council Postgraduate Diploma, passes must be gained in **four technical units and a project**. All candidates must be registered prior to sitting any exam/project.

The requirement for entry to the Engineering Council Postgraduate Diploma is successful completion of the Engineering Council Graduate Diploma or achieving a BEng (Hons) degree accredited by a professional UK institution or by being exempted by a professional institution licensed by the Council to consider special cases through an Individual Case Procedure.

Note Candidates must complete 300 and 306, plus one unit from 301 – 305, plus two* units from graduate diploma range

- 201 – 203, 208 – 221 and 223 – 231, **or**
- 201 – 202, 204 – 221 and 223 – 231, **or**
- 201 – 203, 208 – 220 and 222 – 231, **or**
- 201 – 202, 204 – 220 and 222 – 231.

* These units must be different from the choices made in the Graduate Diploma

<u>Unit</u>		<u>Exam Date & Time</u>		<u>Fee</u>
300	Advanced engineering analysis	17 May 2010	9:30 am – 12:30 pm	HK\$1705
301	The analysis of compressible fluid flow	18 May 2010	9:30 am – 12:30 pm	HK\$1705
302	Computational mechanics using finite element method	24 May 2010	9:30 am – 12:30 pm	HK\$1705
303	Telecommunications engineering	17 May 2010	2:00 pm – 5:00 pm	HK\$1705
304	The technology of advanced manufacturing processes	18 May 2010	2:00 pm – 5:00 pm	HK\$1705
305	High performance computer systems engineering	20 May 2010	2:00 pm – 5:00 pm	HK\$1705
306	Project		N/A	HK\$6925