

**THE HONG KONG INSTITUTION OF ENGINEERS  
SCHEME “A” GRADUATE TRAINING**

**Eligibility to HKIE Scheme “A” Training for 2016 and 2017 Graduates  
of Engineering Programmes Accredited by the HKIE  
The Chinese University of Hong Kong  
(Curriculum under “3+3+4” Academic Structure)**

Remarks:

- The “3+3+4” academic structure was implemented in the higher education sector in September 2012. Under the new academic structure, students would receive six-year secondary education and four-year higher education.
- More information is available from the Membership Section on the admission requirements for respective Disciplines.

Ref No	Programme (Curriculum under “3+3+4” academic structure)	Discipline	Eligibility for 2016 & 2017 graduates only	Conditions (if applicable)
CUHK-10	BEng (Hons) in Biomedical Engineering (Full Time) (including the programme under the Double Degree in Engineering and Business Administration)	BME	Eligible	
CUHK-11	BEng (Hons) in Electronic Engineering (Full Time) (including the programme under the Double Degree in Engineering and Business Administration)	CAI	Eligible	
		ENS	Eligible	
		INF	Eligible subject to condition(s)	This programme is eligible for Scheme "A" in INF Discipline on condition that the students must have taken two of the following three elective courses: Group A: Data structure and algorithms "CSCI 2100 - Data Structures" Group B: Software engineering "CSCI 2120 - Introduction to Software Engineering" Group C: Network computing "IERG 3310 - Computer Networks"
CUHK-12	BEng (Hons) in Information Engineering (Full Time) (including the programme under the Double Degree in Engineering and Business Administration)	ACE	Eligible	
		ENS	Eligible	
		INF	Eligible	
CUHK-13	BEng (Hons) in Mechanical and Automation Engineering (Full Time) (including the programme under the Double Degree in Engineering and Business Administration)	ACE	Eligible	

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CUHK-13 (continued)	BEng (Hons) in Mechanical and Automation Engineering (Full Time) (including the programme under the Double Degree in Engineering and Business Administration)	CAI	Eligible subject to condition(s)	This programme is eligible for Scheme "A" in Control, Automation and Instrumentation (CAI) Discipline on condition that the students must have completed the Final Year Project courses ("MAEG 4998 – Final Year Project I" & "MAEG 4999 – Final Year Project II") on a project* related to Control, Automation and Instrumentation.  * Project details such as the topic and abstract should be submitted with the trainee registration (Form TD2). Each case shall be referred to the Panel for final review and decision.
		ENS	Eligible subject to condition(s)	This programme is eligible for Scheme “A” in Electronics Discipline on condition that graduates must have taken at least two elective modules that are appropriate to Electronics Discipline, they are 1) ENGG2020 Digital Logic and Systems, 2) ELE3230 Microprocessors and Computer Systems, 3) ELEG3101 Medical Instrumentation and Sensors.
		ENY	Eligible	
		MCL	Eligible	

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CUHK-13 (continued)	BEng (Hons) in Mechanical and Automation Engineering (Full Time) (including the programme under the Double Degree in Engineering and Business Administration)	MIS	Eligible subject to condition(s)	Graduates of this programme are eligible for Manufacturing, Industrial & Systems Engineering Scheme "A" on condition that graduates must have taken at least 4 elective modules that are appropriate to Manufacturing & Industrial Discipline, like "MAEG4010 - Computer-Integrated Manufacturing", "MAEG5100 - Advanced Engineering Design and Optimization", "SEEM2440 - Engineering Economics", "SEEM3500 - Quality Control and Management" and "MGNT4090 - Technology and Innovation Management".
CUHK-14	BEng (Hons) in Energy Engineering (Full Time) (including the programme under the Double Degree in Engineering and Business Administration)	ENV	Eligible subject to condition(s)	This programme is eligible for Scheme “A” in Environmental Discipline on condition that the graduates must have taken the following four core / non-core electives: <ul style="list-style-type: none"> <li>■ “MAEG4030 - Heat Transfer”</li> <li>■ “ENSC4240 - Environmental Impact Assessment”</li> <li>■ “GRMD4202 - Hydrology and Water Resources”</li> <li>■ “MAEG3030 - Fluid Mechanics”</li> </ul>
		ENY	Eligible	
CUHK-15	BEng (Hons) in Systems Engineering and Engineering Management (Full Time) (including the programme under the Double Degree in Engineering and Business Administration)	INF	Eligible	
		LTE	Eligible subject to condition(s)	Graduates of this programme are eligible for Scheme "A" in LTE Discipline on condition that the Logistics and Supply Chain Management stream is taken.

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Ref No	Programme (Curriculum under “3+3+4” academic structure)	Discipline	Eligibility for 2016 & 2017 graduates only	Conditions (if applicable)
CUHK-15 <i>(continued)</i>	BEng (Hons) in Systems Engineering and Engineering Management (Full Time) (including the programme under the Double Degree in Engineering and Business Administration)	MIS	Eligible subject to condition(s)	This programme is eligible for Scheme “A” in Manufacturing, Industrial & Systems Engineering Discipline on condition that graduates must have chosen to specialise in either Logistics and Supply Chain Management (LSCM) stream or Service Engineering and Management (SEM) stream, and must have taken the elective course "SEEM 3500 - Quality Control and Management".
CUHK-16	BEng (Hons) in Computer Engineering (FT) (including the programme under the Double Degree in Engineering and Business Administration)	ENS	Eligible	
		INF	Eligible	

Note:

1. Abbreviations of the HKIE Disciplines

ACE : Aircraft	GAS : Gas
BME : Biomedical	GEL : Geotechnical
BSS : Building Services	INF : Information
BUD : Building	LTE : Logistics & Transportation Engineering
CAI : Control, Automation & Instrumentation	MAT : Materials
CML : Chemical	MCL : Mechanical
CVL : Civil	MIS : Manufacturing, Industrial & Systems <i>(renamed from Manufacturing &amp; Industrial Engineering (MIE) with effect from Session 2020/2021)</i>
ELL : Electrical	MNA : Marine & Naval Architecture
ENS : Electronics	STL : Structural
ENV : Environmental	
ENY : Energy	
FRE : Fire	