

**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 Hong Kong Polytechnic University
(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)
PolyU-36	BEng (Hons) Degree in Electrical Engineering (Full Time and Sandwich)	ACE	Eligible	
		BSS	Eligible	Remarks: please refer to the "Admission Requirements for the Building Services Discipline" from Downloads - Membership for the top-up requirements to be fulfilled before applying to the class of Member in Building Services Discipline.
		CAI	Eligible	
		ELL	Eligible	
		ENY	Eligible	
PolyU-37	BEng (Hons) Degree in Electrical Engineering (Full Time and Sandwich) under the Double Degree in Business Administration and Engineering	ACE	Eligible	
		BSS	Eligible	Remarks: please refer to the "Admission Requirements for the Building Services Discipline" from Downloads - Membership for the top-up requirements to be fulfilled before applying to the class of Member in Building Services Discipline.
		CAI	Eligible	
		ELL	Eligible	
		ENY	Eligible	
PolyU-39	BEng (Hons) Degree in Transportation Systems Engineering (Full Time and Sandwich)	ELL	Eligible	
		LTE	Eligible	
PolyU-40	BEng (Hons) Degree in Electronic and Information Engineering (Full Time and Sandwich)	ENS	Eligible	
		INF	Eligible	

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PolyU-41	BEng (Hons) Degree in Electronic and Information Engineering (Full Time and Sandwich) under the Double Degree in Business Administration and Engineering	ENS	Eligible	
		INF	Eligible	
PolyU-42	BEng (Hons) Degree in Industrial and Systems Engineering (Full Time and Sandwich)	ACE	Eligible	
		MIS	Eligible	
PolyU-43	BEng (Hons) Degree in Industrial and Systems Engineering (Full Time and Sandwich) under the Double Degree in Business Administration and Engineering	ACE	Eligible	
		MIS	Eligible	
PolyU-44	BEng (Hons) Degree in Product Engineering with Marketing (Full Time and Sandwich) (offered under the BEng (Hons) Scheme in Integrated Product Development)	ACE	Eligible	
		MIS	Eligible	
PolyU-45	BEng (Hons) Degree in Product Engineering with Marketing (Self-financed Mixed-mode)	ACE	Eligible	
		MIS	Eligible	
PolyU-46	BSc (Hons) Degree in Logistics Engineering with Management (Full Time and Sandwich)	LTE	Eligible	
PolyU-47	BEng (Hons) Degree in Mechanical Engineering (Full Time and Sandwich)	ACE	Eligible	

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PolyU-47 (continued)	BEng (Hons) Degree in Mechanical Engineering (Full Time and Sandwich)	BSS	Eligible	Remarks: please refer to the "Admission Requirements for the Building Services Discipline" from Downloads - Membership for the top-up requirements to be fulfilled before applying to the class of Member in Building Services Discipline.
		ENV	Eligible subject to condition(s)	Graduates of this programme would be required for individual assessment for Environmental Scheme "A" Training, that is subject to the proviso that they take the approved courses ("ME41003 - Principles of Sound and Vibration", "ME44004 - Heat and Mass Transfer", "ME49002 - Environmental Noise", "ME41002 - Noise Abatement and Control", "ME44001 - Air Conditioning for Indoor Thermal and Environmental Quality" and "ME44003 - Combustion and Pollution Control") and topic of major project* is related to environmental engineering. * 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.
		GAS	Eligible	
		MCL	Eligible	
		MIS	Eligible	
		MNA	Eligible	
PolyU-48	BEng (Hons) Degree in Mechanical Engineering (Full Time and Sandwich) under the Double Degree in Business Administration and Engineering	ACE	Eligible	

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PolyU-48 (continued)	BEng (Hons) Degree in Mechanical Engineering (Full Time and Sandwich) under the Double Degree in Business Administration and Engineering	BSS	Eligible	Remarks: please refer to the "Admission Requirements for the Building Services Discipline" from Downloads - Membership for the top-up requirements to be fulfilled before applying to the class of Member in Building Services Discipline.
		ENV	Eligible subject to condition(s)	Graduates of this programme would be required for individual assessment for Environmental Scheme "A" Training, that is subject to the proviso that they take the approved courses ("ME41003 - Principles of Sound and Vibration", "ME44004 - Heat and Mass Transfer", "ME49002 - Environmental Noise", "ME41002 - Noise Abatement and Control", "ME44001 - Air Conditioning for Indoor Thermal and Environmental Quality" and "ME44003 - Combustion and Pollution Control") and topic of major project* is related to environmental engineering. * 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.
		MCL	Eligible	
		MIS	Eligible	
		MNA	Eligible	
PolyU-50	BEng (Hons) Degree in Product Analysis and Engineering Design (Full Time and Sandwich) (offered under the BEng (Hons) Scheme in Integrated Product Development)	ACE	Eligible	
		MCL	Eligible	
		MIS	Eligible	

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PolyU-50 (continued)	BEng (Hons) Degree in Product Analysis and Engineering Design (Full Time and Sandwich) (offered under the BEng (Hons) Scheme in Integrated Product Development)	MNA	Eligible subject to condition(s)	Graduates of this programme would be eligible to join MNA Scheme "A" Training Given that (1) the Design and Individual Projects* must have a marine structure/ vehicle design theme and (2) to top-up with at least two subject areas in Principles of Naval Architecture, Marine Control Systems, Fluid Mechanics or Thermodynamic. * 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.
PolyU-52	BEng (Hons) Degree in Air Transport Engineering (2-year Top-up Full Time)	ACE	Eligible	
		LTE	Eligible	
		MIS	Eligible subject to condition(s)	This programme is eligible for Scheme "A" in Manufacturing, Industrial & Systems Discipline on condition that graduates must have taken the elective course "ISE 4016 - Data Management and Operational Research".
PolyU-53	BSc (Hons) Degree in Biomedical Engineering (Full Time)	BME	Eligible	
PolyU-54	BEng (Hons) Degree in Civil Engineering (Full Time) (including Structural Engineering Stream)	CVL	Eligible	
		ENV	Eligible subject to condition(s)	This programme is eligible for Scheme “A” in Environmental Discipline on condition that the graduates must have taken at least one of the following two elective courses: <ul style="list-style-type: none"> ■ “CSE 40461 - Water and Waste Water Treatment Techniques for Civil Engineering” ■ “CSE 40432 - Solid and Hazardous Waste Control”
		GEL	Eligible	

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PolyU-54 (continued)	BEng (Hons) Degree in Civil Engineering (Full Time) (including Structural Engineering Stream)	LTE	Eligible subject to condition(s)	This programme is eligible for Scheme “A” in Logistics & Transportation Discipline on condition that the graduates must have taken any two of the following courses: <ul style="list-style-type: none"> ■ “CSE 30312 - Transportation and Highway Engineering” ■ “CSE 40407 - Design of Transport Infrastructure” ■ “CSE 40408 - Traffic Surveys and Transport Planning”.
		STL	Eligible	
PolyU-56	BEng (Hons) Degree in Building Services Engineering (Full Time and Sandwich)	BSS	Eligible	Remarks: please refer to the "Admission Requirements for the Fire Discipline" from Downloads - Membership for the top-up requirements to be fulfilled before applying to the class of Member in Fire Discipline.
		ENV	Eligible	
		FRE	Eligible	
PolyU-57	BEng (Hons) Degree in Building Services Engineering (Full Time) (2-year Self-financed)	BSS	Eligible	Remarks: please refer to the "Admission Requirements for the Fire Discipline" from Downloads - Membership for the top-up requirements to be fulfilled before applying to the class of Member in Fire Discipline.
		ENV	Eligible	
		FRE	Eligible	
PolyU-58	BSc (Hons) Degree in Building Engineering and Management (Full Time)	BUD	Eligible	

Note:

1. Abbreviations of the HKIE Disciplines

ACE : Aircraft

BME : Biomedical

BSS : Building Services

BUD : Building

GAS : Gas

GEL : Geotechnical

INF : Information

LTE : Logistics & Transportation Engineering

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CAI : Control, Automation & Instrumentation	MAT : Materials
CML : Chemical	MCL : Mechanical
CVL : Civil	MIS : Manufacturing, Industrial & Systems <i>(renamed from Manufacturing & Industrial Engineering (MIE) with effect from Session 2020/2021)</i>
ELL : Electrical	
ENS : Electronics	MNA : Marine & Naval Architecture
ENV : Environmental	STL : Structural
ENY : Energy	
FRE : Fire	