

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

**Eligibility to HKIE Scheme “A” Training for 2018 Graduates onwards*
of Engineering Programmes Accredited by the HKIE
(Curriculum under “3+3+4” Academic Structure)**

The Chinese University of Hong Kong

Remarks:

- (i) 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.
- (ii) Please refer to the separate document titled “Accreditation Notes of the HKIE Accredited Engineering Degree Programmes” under “Related Notes” for the notes of the HKIE accredited engineering degree programmes.
- (iii) More information is available from the Membership Section on the admission requirements for respective Disciplines.

* The eligibility results align with accreditation status granted by the HKIE. For details of applicable graduates / intake year, please refer to individual case for details.

Scheme “A” Ref No	CUHK-10	
Degree	BEng (Hons) Degree in Biomedical Engineering (FT) (including the programme under the Double Degree in Engineering and Business Administration) (^)	
JUPAS Programme Code	JS4401	
Accredited until intake year of	Provisional(59) (+3)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
BME	N/A	2018 to 2019 Graduates
ENS	N/A	2018 to 2019 Graduates

Scheme “A” Ref No	CUHK-11	
Degree	BEng (Hons) Degree in Electronic Engineering (FT) (including the programme under the Double Degree in Engineering and Business Administration) (^)	
JUPAS Programme Code	JS4401	
Accredited until intake year of	Provisional(59) (+3)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
CAI	N/A	2018 to 2019 Graduates
ENS	N/A	2018 to 2019 Graduates

Eligibility to HKIE Scheme “A” Training for 2018 Graduates onwards*
The Chinese University of Hong Kong

Scheme “A” Ref No	CUHK-11	
Degree	BEng (Hons) Degree in Electronic Engineering (FT) (including the programme under the Double Degree in Engineering and Business Administration) (^)	
JUPAS Programme Code	JS4401	
Accredited until intake year of	Provisional(59) (+3)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
INF	This programme is eligible for Scheme "A" in Information (INF) Discipline on condition that the students must have completed two of the following three elective courses: (i) "CSCI 2100 - Data Structures" (ii) "CSCI 2120 - Introduction to Software Engineering" (iii) "IERG 3310 - Computer Networks"	2018 to 2019 Graduates

Scheme “A” Ref No	CUHK-12	
Degree	BEng (Hons) Degree in Information Engineering (FT) (including the programme under the Double Degree in Engineering and Business Administration) (^)	
JUPAS Programme Code	JS4401	
Accredited until intake year of	Provisional(59) (+3)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
ACE	N/A	2018 to 2019 Graduates
ENS	N/A	2018 to 2019 Graduates
INF	N/A	2018 to 2019 Graduates

Scheme “A” Ref No	CUHK-13	
Degree	BEng (Hons) Degree in Mechanical and Automation Engineering (FT) (including the programme under the Double Degree in Engineering and Business Administration) (^)	
JUPAS Programme Code	JS4401	
Accredited until intake year of	Provisional(59) (+3)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
ACE	N/A	2018 to 2019 Graduates

Eligibility to HKIE Scheme “A” Training for 2018 Graduates onwards*
The Chinese University of Hong Kong

Scheme “A” Ref No	CUHK-13	
Degree	BEng (Hons) Degree in Mechanical and Automation Engineering (FT) (including the programme under the Double Degree in Engineering and Business Administration) (^)	
JUPAS Programme Code	JS4401	
Accredited until intake year of	Provisional(59) (+3)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
CAI	<p>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.</p> <p>* 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.</p>	2018 to 2019 Graduates
ENS	N/A	2018 to 2019 Graduates
ENY	<p>This programme is eligible for Scheme "A" in Energy (ENY) Discipline on condition that the graduates must have completed at least one of the following elective groups:</p> <p>Group 1: "MAEG 4030 - Heat Transfer" or "MAEG 4080 - Introduction to Combustion"</p> <p>Group 2: "EEEN 4050 - Energy Storage Devices and Systems"</p> <p>Group 3: "EEEN 2020 - Renewable Energy Technologies" or "EEEN 4020 - Solar Energy and Photovoltaic Technology"</p> <p>Group 4: "EEEN 3010 - Building Automation and Control"</p> <p>Group 5: "EEEN 4030 - Nuclear Energy and Risk Assessment" or "EEEN 4060 - Energy Distribution"</p>	2018 to 2019 Graduates

Eligibility to HKIE Scheme “A” Training for 2018 Graduates onwards*
The Chinese University of Hong Kong

Scheme “A” Ref No	CUHK-13	
Degree	BEng (Hons) Degree in Mechanical and Automation Engineering (FT) (including the programme under the Double Degree in Engineering and Business Administration) (^)	
JUPAS Programme Code	JS4401	
Accredited until intake year of	Provisional(59) (+3)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
MCL	<p>This programme is eligible for Scheme "A" in Mechanical (MCL) Discipline on condition that the graduates must have completed any TWO of the following elective groups:</p> <ol style="list-style-type: none"> 1) "EEN 3030 - Engineering Materials" 2) "MAEG 3040 - Mechanical Design" 3) "MAEG 3060 - Introduction to Robotics" 4) "MAEG 4010 – Computer-integrated Manufacturing" 5) "MAEG 4020 - Finite Element Modelling and Analysis" or "MAEG 5130 – Computational Mechanics" <p>Remarks: For those students who do not satisfy the above requirements, their case shall be referred to the Panel for final review and decision.</p>	2018 to 2019 Graduates
MIE	<p>This programme is eligible for Scheme "A" in Manufacturing & Industrial Engineering (MIE) Discipline on condition that the graduates must have completed:</p> <ol style="list-style-type: none"> 1) Year 3 core subject of "MAEG 3020 - Manufacturing Technology", and 2) At least 3 elective modules that are appropriate to Manufacturing & Industrial Discipline: "MAEG 3920 - Engineering Design and Applications", "MAEG 4010 - Computer-Integrated Manufacturing", "MAEG 4070 - Engineering Optimization", "MAEG5 100 - Advanced Engineering Design and Optimization", and "SEEM 3500 - Quality Control and Management". 	2018 to 2019 Graduates

Eligibility to HKIE Scheme “A” Training for 2018 Graduates onwards*
The Chinese University of Hong Kong

Scheme “A” Ref No	CUHK-14	
Degree	BEng (Hons) Degree in Energy Engineering (FT)	
JUPAS Programme Code	JS4401	
Accredited until intake year of	2015	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
ENV	<p>This programme is eligible for Scheme "A" in Environmental (ENV) Discipline on condition that the graduates must have completed at least two electives from the following five categories (the two electives selected cannot come from the same category):</p> <p>Category 1: "ENSC 4240 - Environmental Impact Assessment" or "GRMD 4204 - Environmental Planning and Assessment"</p> <p>Category 2: "ESSC 4240 - Air Pollution Science and Engineering"</p> <p>Category 3: "GRMD 4202 - Hydrology and Water Resources"</p> <p>Category 4: "MAEG 3030 - Fluid Mechanics"</p> <p>Category 5: "MAEG 4030 - Heat Transfer"</p>	<p>From 2018 Graduates</p> <p>Up to 2015 Intake</p>
ENY	<p>This programme is eligible for Scheme "A" in Energy (ENY) Discipline on condition that the graduates must have completed at least two of the following elective groups:</p> <p>Group 1: "MAEG 3030 - Fluid Mechanics"</p> <p>Group 2: "MAEG 4030 - Heat Transfer" or "MAEG 4080 - Introduction to Combustion"</p> <p>Group 3: "ENER 4050 - Energy Storage Devices and Systems"</p> <p>Group 4: "EEEN 3010 - Building Automation and Control"</p> <p>Group 5: "ENER 4030 - Nuclear Energy and Risk Assessment" or "ENER 4060 - Energy Distribution"</p> <p>Group 6: "MAEG 3050 - Introduction to Control Systems"</p>	<p>From 2018 Graduates</p> <p>Up to 2015 Intake</p>

Eligibility to HKIE Scheme “A” Training for 2018 Graduates onwards*
The Chinese University of Hong Kong

Scheme “A” Ref No	CUHK-15	
Degree	BEng (Hons) Degree in Systems Engineering & Engineering Management (FT) (including the programme under the Double Degree in Engineering and Business Administration) (^)	
JUPAS Programme Code	JS4401	
Accredited until intake year of	Provisional(59) (+3)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
INF	N/A	2018 to 2019 Graduates
LTE	Graduates of this programme are eligible for Scheme "A" in Logistics & Transportation (LTE) Discipline on condition that the Logistics and Supply Chain Management stream is completed.	2018 to 2019 Graduates
MIE	This programme is eligible for Scheme “A” in Manufacturing & Industrial Engineering (MIE) Discipline on condition that graduates must take in either Logistics and Supply Chain Management (LSCM) stream or Service Engineering and Management (SEM) stream, and must have completed at least 1 course in each of the following three areas: i) Process / System Design; ii) Industrial Engineering; and iii) Engineering Management	2018 to 2019 Graduates

Scheme “A” Ref No	CUHK-16	
Degree	BEng (Hons) Degree in Computer Engineering (FT) (including the programme under the Double Degree in Engineering and Business Administration) (^)	
JUPAS Programme Code	JS4401	
Accredited until intake year of	Provisional(59) (+3)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
ENS	N/A	2018 to 2019 Graduates
INF	N/A	2018 to 2019 Graduates

Eligibility to HKIE Scheme “A” Training for 2018 Graduates onwards*
The Chinese University of Hong Kong

Scheme “A” Ref No	CUHK-17	
Degree	BEng (Hons) Degree in Energy and Environmental Engineering (FT) (including the programme under the Double Degree in Engineering and Business Administration) (^)	
JUPAS Programme Code	JS4401	
Accredited until intake year of	Provisional(59)(67) (+3)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
ENV	<p>This programme is eligible for Scheme "A" in Environmental (ENV) Discipline on condition that the graduates must have completed at least two electives from the following five categories (the two electives selected cannot come from the same category):</p> <ul style="list-style-type: none"> Category 1: "ENSC 4240 - Environmental Impact Assessment" or "GRMD 4204 - Environmental Planning and Assessment" Category 2: "ESSC 4240 - Air Pollution Science and Engineering" Category 3: "GRMD 4202 - Hydrology and Water Resources" Category 4: "MAEG 3030 - Fluid Mechanics" Category 5: "MAEG 4030 - Heat Transfer" 	2018 to 2019 Graduates
ENY	<p>This programme is eligible for Scheme "A" in Energy (ENY) Discipline on condition that the graduates must have completed at least two of the following elective groups:</p> <ul style="list-style-type: none"> Group 1: "MAEG 3030 - Fluid Mechanics" Group 2: "MAEG 4030 - Heat Transfer" or "MAEG 4080 - Introduction to Combustion" Group 3: "ENER 4050 - Energy Storage Devices and Systems" Group 4: "EEEN 3010 - Building Automation and Control" Group 5: "ENER 4030 - Nuclear Energy and Risk Assessment" or "ENER 4060 - Energy Distribution" Group 6: "MAEG 3050 - Introduction to Control Systems" 	2018 to 2019 Graduates