

**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)**

City 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	CityU-30	
Degree	BEng (Hons) Degree in Energy Science and Engineering (FT)	
JUPAS Programme Code	JS1051	
Accredited until intake year of	2027	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
BSS	This programme is eligible for Scheme “A” in Building Services (BSS) Discipline on condition that the graduates must have completed all elective courses listed as follows: i) "CA 3712 - Electrical Services" ii) "CA 3722 - HVAC Engineering" iii) "CA 3732 - Fire Engineering and Piped Services" iv) "CA 4718 - Power Electronics and Lighting Controls" v) "CA 4737 - Fire Science and Modelling" / “CA 4738 - Fire Engineering Approach” vi) "SEE 2001 - Electromagnetic Principles for Energy Engineers" vii) "SEE 3102 - Power Plant Engineering" viii) "SEE 3103 - Energy Efficiency for Buildings" ix) "SEE 4024 / ADSE 4024 - Project Management"	From 2019 Intake Up to 2027 Intake
ENV	N/A	From 2018 Graduates Up to 2022 Intake

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Scheme “A” Ref No	CityU-30	
Degree	BEng (Hons) Degree in Energy Science and Engineering (FT)	
JUPAS Programme Code	JS1051	
Accredited until intake year of	2027	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
ENV (<i>cont’d</i>)	This programme is eligible for Scheme "A" in Environmental (ENV) Discipline on condition that the graduates must have completed "SEE 4216 - Combustion and Air Pollution Control".	From 2023 Intake Up to 2027 Intake
ENY	N/A	From 2018 Graduates Up to 2027 Intake

Scheme “A” Ref No	CityU-31	
Degree	BEng (Hons) Degree in Civil and Structural Engineering (FT)	
JUPAS Programme Code	--	
Accredited until intake year of	--	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
CVL	N/A	From 2018 Graduates Up to 2015 Intake
STL	<p>Graduates of this programme are eligible for Structural (STL) Scheme "A" Discipline on condition that they have completed any one of following courses:</p> <p>(i) "CA 4644 - Wind and Earthquake Engineering", (ii) "CA 4682 - Advanced Geotechnical and Foundation Engineering", or (iii) "CA 4516 - Final Year Project*", which must be in structural engineering.</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>	From 2018 Graduates Up to 2015 Intake

Eligibility to HKIE Scheme “A” Training for 2018 Graduates onwards*
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Scheme “A” Ref No	CityU-32	
Degree	BEng (Hons) Degree in Building Services Engineering (FT)	
JUPAS Programme Code	--	
Accredited until intake year of	--	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
ACE	This programme is eligible for Scheme “A” in Aircraft (ACE) Discipline on condition that the graduates must have completed "CA 4717 - Electrical Engineering Practices".	From 2018 Graduates Up to 2015 Intake
BSS	N/A	From 2018 Graduates Up to 2015 Intake
ENY	This programme is eligible for Scheme "A" in Energy (ENY) Discipline on condition that the graduates must have completed the elective module of "CA 4717 - Electrical Engineering Practices".	From 2018 Graduates Up to 2015 Intake
FRE	N/A 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.	From 2018 Graduates Up to 2015 Intake

Scheme “A” Ref No	CityU-33	
Degree	BEng Degree in Construction Engineering and Management (FT) (%)	
JUPAS Programme Code	--	
Accredited until intake year of	2015(9)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
BUD	N/A	From 2018 Graduates Up to 2015 Intake

Eligibility to HKIE Scheme “A” Training for 2018 Graduates onwards*
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Scheme “A” Ref No	CityU-34	
Degree	BEng Degree in Electronic and Communication Engineering (FT) (%)	
JUPAS Programme Code	--	
Accredited until intake year of	--	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
CAI	N/A	From 2018 Graduates Up to 2019 Intake
ENS	N/A	From 2018 Graduates Up to 2019 Intake

Scheme “A” Ref No	CityU-34_1	
Degree	BEng Degree in Electronic and Electrical Engineering (FT) (%)	
JUPAS Programme Code	JS1205	
Accredited until intake year of	2028 (1)(80)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
CAI	N/A	From 2020 Intake Up to 2028 Intake
ENS	N/A	From 2020 Intake Up to 2028 Intake

Scheme “A” Ref No	CityU-35_0	
Degree	BEng Degree in Computer Engineering (FT)	
JUPAS Programme Code	--	
Accredited until intake year of	--	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
ENS	N/A	From 2018 Graduates Up to 2014 Intake
INF	N/A	From 2018 Graduates Up to 2014 Intake

Eligibility to HKIE Scheme “A” Training for 2018 Graduates onwards*
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Scheme “A” Ref No	CityU-35	
Degree	BEng Degree in Computer and Data Engineering (FT) (%)	
JUPAS Programme Code	JS1205	
Accredited until intake year of	2028 (57)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
ENS	N/A	2018 to 2019 Graduates
	This programme is eligible for Scheme "A" in Electronics (ENS) Discipline on condition that the graduates must have completed "EE 4316 - Mobile Data Networks".	From 2020 Graduates Up to 2028 Intake
INF	N/A	From 2018 Graduates Up to 2028 Intake

Scheme “A” Ref No	CityU-36	
Degree	BEng Degree in Information Engineering (FT) (%)	
JUPAS Programme Code	JS1205	
Accredited until intake year of	2028 (4)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
ENS	N/A	From 2018 Graduates Up to 2028 Intake
INF	N/A	From 2018 Graduates Up to 2028 Intake

Scheme “A” Ref No	CityU-37	
Degree	BEng Degree in Materials Engineering (FT) (%)	
JUPAS Programme Code	--	
Accredited until intake year of	--	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
ACE	N/A	2018 to 2019 Graduates
MAT	N/A	From 2018 Graduates Up to 2018 Intake

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Scheme “A” Ref No	CityU-37_1	
Degree	BEng Degree in Materials Science and Engineering (FT) (%)	
JUPAS Programme Code	JS1210	
Accredited until intake year of	2028 (11)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
MAT	N/A	From 2019 Intake Up to 2028 Intake

Scheme “A” Ref No	CityU-38	
Degree	BEng Degree in Mechatronic Engineering (FT) (%)	
JUPAS Programme Code	--	
Accredited until intake year of	2015 (69)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
ACE	N/A	From 2018 Graduates Up to 2015 Intake
CAI	N/A	From 2018 Graduates Up to 2015 Intake
ENS	N/A	From 2018 Graduates Up to 2015 Intake
MIS	This programme is eligible for Scheme "A" in Manufacturing, Industrial & Systems Engineering (MIS) Discipline on condition that the graduates must have completed an elective in one of the following: (i) "MBE 3050 - Design for Manufacturing and Manufacturing Systems", (ii) "MBE 3067 - Human Factors in Product Design", or (iii) "MBE 4044 - Digital Design and Manufacturing".	From 2018 Graduates Up to 2015 Intake

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Scheme “A” Ref No	CityU-39	
Degree	BEng Degree in Manufacturing Systems Engineering (FT) (%)	
JUPAS Programme Code	--	
Accredited until intake year of	2015 (5)(69)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
ACE	N/A	From 2018 Graduates Up to 2015 Intake
MIS	N/A	From 2018 Graduates Up to 2015 Intake

Scheme “A” Ref No	CityU-40	
Degree	BEng Degree in Nuclear and Risk Engineering (FT)	
JUPAS Programme Code	JS1207	
Accredited until intake year of	2028	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
ENY	Graduates of this programme are eligible for Energy (ENY) Scheme "A" Discipline on condition that they must have completed the elective course "MBE 4010 - Dynamics and Control".	2018 to 2019 Graduates
	N/A	From 2020 Graduates Up to 2028 Intake
NUE	N/A	From 2020 Graduates Up to 2028 Intake

Eligibility to HKIE Scheme “A” Training for 2018 Graduates onwards*
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Scheme “A” Ref No	CityU-41	
Degree	BEng Degree in Bioengineering (FT)	
JUPAS Programme Code	--	
Accredited until intake year of	--	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
BME	<p>The programme is eligible for Scheme "A" in Biomedical (BME) discipline subject to the following top-up conditions:</p> <p>Department's confirmation on the graduates' satisfactory completion of lectures concerning the following topics:</p> <p>(I) Human Resources Management (HRM), leadership and business operation and development</p> <p>(II) Medical equipment / device / system:</p> <ul style="list-style-type: none"> - practical based practice, operation and safety controls - life cycle management - project management and requirements - design and manufacturing standards - international standards - nomenclature systems - maintenance management - regulation and harmonization <p>The above top-up conditions should be fulfilled before completion of Scheme "A" training. The responsible experience towards Corporate Membership would only be counted after the conditions have been satisfied.</p>	2018 to 2019 Graduates
BME	N/A	From 2020 Graduates Up to 2017 Intake

Scheme “A” Ref No	CityU-41_1	
Degree	BEng Degree in Biomedical Engineering (FT)	
JUPAS Programme Code	JS1211	
Accredited until intake year of	2028 (79)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
BME	N/A	From 2018 Intake Up to 2028 Intake

Eligibility to HKIE Scheme “A” Training for 2018 Graduates onwards*
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Scheme “A” Ref No	CityU-42	
Degree	BEng Degree in Total Quality Engineering (FT) (%)	
JUPAS Programme Code	--	
Accredited until intake year of	2015 (70)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
MIS	N/A	From 2018 Graduates Up to 2015 Intake

Scheme “A” Ref No	CityU-43	
Degree	BEng Degree in e-Logistics and Technology Management (FT) (%)	
JUPAS Programme Code	--	
Accredited until intake year of	2015 (70)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
INF	<p>This programme is eligible for Scheme "A" in Information (INF) Discipline on condition that the graduates must have completed:</p> <p>(1) "MBE 3066 - Material Handling and Tracking Technologies Workshop", and</p> <p>(2) a project* with substantial IT content.</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>	From 2018 Graduates Up to 2015 Intake
LTE	N/A	From 2018 Graduates Up to 2015 Intake
MIS	<p>This programme is eligible for Scheme "A" in Manufacturing, Industrial & Systems Engineering (MIS) Discipline on condition that the graduates must have completed three credits of one of the following electives:</p> <p>(i) "SEEM 3034 - Work Design",</p> <p>(ii) "SEEM 3102 - Quality Engineering",</p> <p>(iii) "SEEM 3062 - Quality Engineering I", or</p> <p>(iv) "CS 3483 - Multimodal Interface Design".</p>	From 2018 Graduates Up to 2015 Intake

Eligibility to HKIE Scheme “A” Training for 2018 Graduates onwards*
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Scheme “A” Ref No	CityU-44	
Degree	BEng Degree in Industrial Engineering and Engineering Management (FT) (%)	
JUPAS Programme Code	--	
Accredited until intake year of	2015 (6)(70)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
MIS	N/A	From 2018 Graduates Up to 2015 Intake

Scheme “A” Ref No	CityU-45	
Degree	BEng Degree in Architectural Engineering (FT) (%)	
JUPAS Programme Code	JS1201	
Accredited until intake year of	2027 (12)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
BSS	N/A	From 2018 Graduates Up to 2027 Intake
ENY	N/A	From 2018 Graduates Up to 2027 Intake
FRE	N/A	From 2018 Graduates Up to 2021 Intake
	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. This programme is eligible for Scheme "A" in Fire (FRE) Discipline on condition that the graduates must have completed both the core courses and the following elective courses: "CA 4737 - Fire Science and Modelling", and "CA 4738 - Fire Engineering Approach".	From 2022 Intake Up to 2027 Intake

Eligibility to HKIE Scheme “A” Training for 2018 Graduates onwards*
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Scheme “A” Ref No	CityU-46	
Degree	BEng Degree in Civil Engineering (with streams in Structural Engineering / Infrastructure and Smart City) (FT) (%)	
JUPAS Programme Code	JS1201	
Accredited until intake year of	2027 (14) (81)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
BUD (for all streams)	N/A Remarks: please refer to the "Admission Requirements for the Building Discipline" from Downloads - Membership for the top-up requirements to be fulfilled before applying to the class of Member in Building Discipline.	From 2018 Graduates Up to 2021 Intake
CVL (for all streams)	N/A	From 2018 Graduates Up to 2027 Intake
GEL (for all streams)	N/A	From 2018 Graduates Up to 2027 Intake
LTE (Infrastructure and Urbanism Stream / Infrastructure and Smart City Stream)	This programme is eligible for Scheme "A" in Logistics & Transportation (LTE) Discipline on condition that the graduates must have completed "CA 2676 - Transportation Engineering" and "CA 3707 - Transportation Modelling" / "CA 3707 - Modelling for Smart Digital Infrastructure System".	From 2018 Graduates Up to 2027 Intake
STL (for Structural Engineering Stream only)	Graduates of this programme are eligible for Structural (STL) Scheme "A" Discipline on condition that they have completed any one of following courses: (i) "CA 4644 - Wind and Earthquake Engineering", (ii) "CA 4682 - Advanced Geotechnical and Foundation Engineering", or (iii) "CA 4516 - Final Year Project*", which must be in structural 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.	From 2018 Graduates Up to 2021 Intake
	N/A	From 2022 Intake Up to 2027 Intake

Eligibility to HKIE Scheme “A” Training for 2018 Graduates onwards*
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Scheme “A” Ref No	CityU-47	
Degree	BEng Degree in Environmental Science and Engineering (FT)	
JUPAS Programme Code	JS1051	
Accredited until intake year of	2027	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
BSS	<p>This programme is eligible for Scheme “A” in BSS Discipline on condition that the graduates must have completed all elective courses listed as follows:</p> <ul style="list-style-type: none"> i) "CA 3712 - Electrical Services" ii) "CA 3722 - HVAC Engineering" iii) "CA 3732 - Fire Engineering and Piped Services" iv) "CA 4718 - Power Electronics and Lighting Controls" v) "CA 4737 - Fire Science and Modelling"/ "CA 4738 - Fire Engineering Approach" vi) "SEE 2001 - Electromagnetic Principles for Energy Engineers" vii) "SEE 3103 - Energy Efficiency for Buildings" viii) "SEE 4024 / ADSE 4024 - Project Management" 	<p>From 2019 Intake</p> <p>Up to 2027 Intake</p>
ENV	N/A	<p>From 2017 Intake</p> <p>Up to 2022 Graduates</p>
	<p>This programme is eligible for Scheme "A" in Environmental (ENV) Discipline on condition that the graduates must have completed at least one of the following elective courses:</p> <ul style="list-style-type: none"> (i) "CA 3677 - Hydraulics and Hydrology", (ii) "SEE 4203 - Advanced Treatment and Management of Solid and Municipal Waste". 	<p>From 2023 Graduates</p> <p>Up to 2027 Intake</p>

Eligibility to HKIE Scheme “A” Training for 2018 Graduates onwards*
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Scheme “A” Ref No	CityU-48	
Degree	BEng Degree in Mechanical Engineering (FT)	
JUPAS Programme Code	JS1207	
Accredited until intake year of	2025 (71)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
ACE	N/A	From 2016 Intake Up to 2025 Intake
CAI	N/A	From 2016 Intake Up to 2025 Intake
MCL	N/A	From 2016 Intake Up to 2025 Intake
MIS	This programme is eligible for Scheme "A" in Manufacturing, Industrial & Systems Engineering (MIS) Discipline on condition that the graduates must have completed the following elective groups: Group 1: "SEEM 3102 - Quality Engineering" Group 2: "SEEM 4064 - Reliability Engineering" Group 3: "SEEM 4024 - Project Management" or "SEEM 4025 - Quality Systems and Management" or "SEEM 4043 / SEEM 4106 - Global Operations Management / Operations Management of Production and Service Systems"	First Cohort of Graduates (2020) only

Scheme “A” Ref No	CityU-49	
Degree	BEng Degree in Systems Engineering and Management (FT)	
JUPAS Programme Code	--	
Accredited until intake year of	2018 (72)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
LTE	N/A	From 2016 Intake Up to 2018 Intake
MIS	N/A	From 2016 Intake Up to 2018 Intake

Eligibility to HKIE Scheme “A” Training for 2018 Graduates onwards*
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Scheme “A” Ref No	CityU-50	
Degree	BEng Degree in Intelligent Manufacturing Engineering (FT)	
JUPAS Programme Code	JS1216	
Accredited until intake year of	Provisional	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
MIS	N/A	First Cohort of Graduates (2025) only

Scheme “A” Ref No	CityU-51	
Degree	BSc Degree in Data and Systems Engineering (FT)	
JUPAS Programme Code	JS1074	
Accredited until intake year of	2026 (92)	
Eligible Discipline(s)	Conditions (if applicable)	Applicability
INF	<p>This programme is eligible for Scheme "A" in Information (INF) Discipline on condition that the students must have completed the courses from at least three of the following groups:</p> <p>Group I: both elective courses: "CS 3342 - Software Design" and "CS 3343 - Software Engineering Practice";</p> <p>Group II: any 2 elective courses: (i) "SDSC 3018 - Introduction to Internet of Things", (ii) "SDSC 3019 - Introduction to Networked Life and Data Science", (iii) "CS 3201 - Computer Networks", (iv) "SDSC 4021 - Advanced Internet of Things";</p> <p>Group III: any 2 elective courses: (i) "CS 3273 - Data Protection and System Security", (ii) "CS 4286 - Internet Security and E-Commerce Protocols", (iii) "SDSC 3003 - Blockchain";</p> <p>Group IV: core course: "SDSC 3008 - Systems Dynamics and Control" and any one elective course: (i) "SDSC 4026 - Systems Modelling and Simulation", (ii) "SDSC 3027 - Smart Logistics and Transportation".</p>	<p>From 2019 Intake</p> <p>Up to 2026 Intake</p>

Note:

1. Abbreviations of the HKIE Disciplines

ACE : Aircraft	FRE : Fire
BME : Biomedical	GAS : Gas
BSS : Building Services	GEL : Geotechnical
BUD : Building	INF : Information
CAI : Control, Automation & Instrumentation	LTE : Logistics & Transportation Engineering
CML : Chemical	MAT : Materials

Eligibility to HKIE Scheme “A” Training for 2018 Graduates onwards*
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CVL : Civil
ELL : Electrical

ENS : Electronics
ENV : Environmental
ENY : Energy

MCL : Mechanical
MIS : Manufacturing, Industrial & Systems
*(renamed from Manufacturing & Industrial
Engineering (MIE) with effect from Session
2020/2021)*
MNA : Marine & Naval Architecture
NUE : Nuclear
STL : Structural