Full-time 4-year Undergraduate Degrees - Minor Programme

1.	**Title of Minor Programme & Programme Code**	Minor in Artificial Intelligence and Information Engineering (46409-YAI)
2.	**Offering Department(s) in Full & in Abbreviation**	Department of Electrical and Electronic Engineering (EEE)
3.	**Requirement for Claiming the Minor Award**	Attained 18 credits from the subjects listed under section 7, of which at least 9 credits are at level 3 or above. (Note: Students should observe the pre-requisites requirement when choosing the subjects. Such information is available from the BEng (Hons)/BSc (Hons) Scheme in Information and Artificial Intelligence Engineering (46409) Scheme Programme Booklet)
4.	**Exclusive Programme(s) & Programme Code(s)**	BSc (Hons) in Information and Multimedia Technologies (46403) BSc (Hons) in Artificial Intelligence and Information Engineering (46409-AIE) BEng (Hons) in Electronic Systems and Internet-of-Things (46409-ESI) BSc (Hons) in Information Security (46409-INS) BEng (Hons) in Internet-of-Things with a Secondary Major in Artificial Intelligence and Data Analytics (46409-XAI)
5.	**Effective Year**	For students admitted from 2022-23 onwards
6.	**Professional Recognition**	N/A

7.	Subject Code	Subject Title	Subject Offering Department/ Faculty	Level	Credit Value	Subject Nature (Compulsory /Elective)
	EIE2105	Digital and Computer Systems	EEE	2	3	Elective
	EIE2112	Foundation Techniques in Artificial Intelligence	EEE	2	3	Elective
	EIE2113	Introduction to Internet of Things	EEE	2	3	Elective
	ENG2002	Computer Programming	FENG	2	3	Elective
	EIE3103	Digital Signals and Systems	EEE	3	3	Elective
	EIE3109	Mobile Systems and Application Development	EEE	3	3	Elective
	EIE3112	Database System	EEE	3	3	Elective
	EIE3124	Fundamentals of Machine Intelligence	EEE	3	3	Elective
	EIE3127	Artificial Intelligence of Things	EEE	3	3	Elective
	EIE3130	Network Security	EEE	3	3	Elective
	EIE3320	Object-Oriented Design and Programming	EEE	3	3	Elective
	EIE3333	Data and Computer Communications	EEE	3	3	Elective
	EIE3343	Computer Systems Principles	EEE	3	3	Elective
	EIE3360	Integrated Project	EEE	3	3	Elective
	EIE4100	Computer Vision and Pattern Recognition	EEE	4	3	Elective
	EIE4102	IP Networks	EEE	4	3	Elective
	EIE4104	Mobile Networking	EEE	4	3	Elective

EIE4105	Multimodal Human Computer Interaction Technology	EEE	4	3	Elective
EIE4108	Distributed Systems and Cloud Computing	EEE	4	3	Elective
EIE4121	Machine Learning in Cyber-security	EEE	4	3	Elective
EIE4122	Deep Learning and Deep Neural Networks	EEE	4	3	Elective
EIE4123	Healthcare Technology	EEE	4	3	Elective
EIE4428	Multimedia Communications	EEE	4	3	Elective
EIE4431	Digital Video Production and Broadcasting	EEE	4	3	Elective
EIE4432	Web Systems and Technologies	EEE	4	3	Elective
EIE4435	Image and Audio Processing	EEE	4	3	Elective

Remark:

i. Please note that the subject pre-requisite requirements of the BSc(Hons) in Artificial Intelligence and Information Engineering (46409-AIE) will also apply to this Minor in AIE programme. For details of the subject pre-requisites of the 46409 programme, please refer to the 46409 programme booklet which is available at the departmental website at
https://www.polyu.edu.hk/eee/study/information-for-current-students/programme-documents/.

ii. For detailed syllabus and subject pre-requisite/co-requisite/exclusion requirement, please visit the following AR subject registration website:

http://www.polyu.edu.hk/student > Subject Registration > Subject Information

iii. The above requirements and list of subjects are subject to review and changes which the Department can decide to make from time to time. Students will be informed of the changes as and when appropriate.

September 2023