

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 Requirement Booklet)			
4.	Exclusive Programme(s) & Programme Code(s)		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 Electronic Systems and Internet-of-Things with a Secondary Major in Artificial Intelligence and Data Analytics (46409-XAE)			
5.	Effective Year		For students admitted from 2025-26 onwards			
6.	Professional Recognition		N/A			
7.	Subject Code	Subject Title	Subject Offering Department/ Faculty	Level	Credit Value	Subject Nature (Compulsory /Elective)
	DSAI2201	Data Structure and Algorithms	DSAI	2	3	Elective
	EEE2011	Foundation Techniques in Artificial Intelligence	EEE	2	2	Elective
	EEE2012	Introduction to Internet of Things	EEE	2	2	Elective
	EIE2105	Digital and Computer Systems	EEE	2	3	Elective
	ENG2002	Computer Programming	FENG	2	3	Elective
	ENG2003	Information Technology	FENG	2	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
	EIE3129	IoT Security	EEE	3	3	Elective
	EIE3130	Network Security	EEE	3	3	Elective
	EIE3312	Linear System	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

DSAI4205	Big Data Analytics	DSAI	4	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
EIE4449	Optical Communication Systems and Networks	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.