

List of Subjects Offered to Exchange/Short-term Non-local Study Students for Semester 1 (Fall) 2025/26

Department of Electrical and Electronic Engineering (EEE)

Subject Code	Subject Name	Credits	Eligible Student Type [see *]	Limitation [see **]	Eligible Student (Year 1) (Y/N)	Eligible Student (Year 2) (Y/N)	Eligible Student (Year 3) (Y/N)	Eligible Student (Year 4 or above) (Y/N)
BEng(Hons) in Electrical Engineering (46408-EE)								
BEng(Hons) in Transportation Systems Engineering (46408-TSE)								
EE2002	Circuit Analysis	3	Dept	46408-EE, 46408-TSE	N	Y	N	N
EEE2003	Transportation Engineering Fundamentals	2	Dept	46408-EE, 46408-TSE	N	Y	N	N
EE3001	Analogue and Digital Circuits	3	Dept	46408-EE	N	N	Y	Y
EE3002	Electromechanical Energy Conversion	3	Dept	46408-EE, 46408-TSE	N	N	Y	Y
EE3005	Systems and Control	3	Dept	46408-EE, 46408-TSE	N	N	Y	Y
EE3007	Computer System Principles	3	Dept	46408-EE	N	N	Y	Y
EE3008	Linear Systems and Signal Processing	3	Dept	46408-EE	N	N	Y	Y
EE3012	Transport Operations Modelling	3	Dept	46408-TSE	N	N	Y	Y
EE4003	Electrical Machines	3	Dept	46408-EE	N	N	Y	Y
EE4004	Power Systems	3	Dept	46408-EE, 46408-TSE	N	N	Y	Y
EE4007	Advanced Power Electronics	3	Dept	46408-EE, 46408-TSE	N	N	Y	Y
EE4012	Intelligent Buildings	3	Dept	46408-EE	N	N	Y	Y
EE4014	Intelligent Systems Applications in Electrical Engineering	3	Dept	46408-EE, 46408-TSE	N	N	Y	Y
BSc(Hons) in Artificial Intelligence and Information Engineering (46409-AIE)								
EIE1004	Introduction to Information and Artificial Intelligence Engineering	3	ALL	N/A	N	Y	Y	Y
EIE2105	Digital and Computer Systems	3	ALL	N/A	N	Y	Y	Y
EIE2112	Foundation Techniques in Artificial Intelligence	3	ALL	N/A	N	Y	Y	Y
EIE2113	Introduction to Internet of Things	3	ALL	N/A	N	Y	Y	Y
EIE3333	Data and Computer Communications	3	ALL	N/A	N	N	Y	Y
EIE3343	Computer Systems Principles	3	ALL	N/A	N	N	Y	Y
EIE3373	Microcontroller Systems and Interface	3	ALL	N/A	N	N	Y	Y
EIE4100	Computer Vision and Pattern Recognition	3	ALL	N/A	N	N	Y	Y
EIE4102	IP Networks	3	ALL	N/A	N	N	Y	Y
EIE4122	Deep Learning and Deep Neural networks	3	ALL	N/A	N	N	Y	Y
EIE4432	Web Systems and Technologies	3	ALL	N/A	N	N	Y	Y
EIE4435	Image and Audio Processing	3	ALL	N/A	N	N	Y	Y
BEng(Hons) in Electronic Systems and Internet-of-Things (46409-ESI)								
EIE1004	Introduction to Information and Artificial Intelligence Engineering	3	ALL	N/A	N	Y	Y	Y
EIE2110	Basic Circuit Analysis and Electronics	3	ALL	N/A	N	Y	Y	Y
EIE2113	Introduction to Internet of Things	3	ALL	N/A	N	Y	Y	Y

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EIE3123	Dynamic Electronic Systems	3	ALL	N/A	N	N	Y	Y
EIE3311	Computer System Fundamentals	3	ALL	N/A	N	N	Y	Y
EIE3312	Linear Systems	3	ALL	N/A	N	N	Y	Y
EIE3129	IoT Security	3	ALL	N/A	N	N	Y	Y
EIE3333	Data and Computer Communications	3	ALL	N/A	N	N	Y	Y
EIE3373	Microcontroller Systems and Interface	3	ALL	N/A	N	N	Y	Y
EIE4100	Computer Vision and Pattern Recognition	3	ALL	N/A	N	N	Y	Y
EIE4102	IP Networks	3	ALL	N/A	N	N	Y	Y
EIE4113	Wireless and Mobile Systems	3	ALL	N/A	N	N	Y	Y
EIE4122	Deep Learning and Deep Neural networks	3	ALL	N/A	N	N	Y	Y
EIE4432	Web Systems and Technologies	3	ALL	N/A	N	N	Y	Y
EIE4435	Image and Audio Processing	3	ALL	N/A	N	N	Y	Y
BSc(Hons) in Information Security (46409-INS)								
EIE1004	Introduction to Information and Artificial Intelligence Engineering	3	ALL	N/A	N	Y	Y	Y
EIE2105	Digital and Computer Systems	3	ALL	N/A	N	Y	Y	Y
EIE3129	IoT Security	3	ALL	N/A	N	N	Y	Y
EIE3130	Network Security	3	ALL	N/A	N	N	Y	Y
EIE3333	Data and Computer Communications	3	ALL	N/A	N	N	Y	Y
EIE3343	Computer Systems Principles	3	ALL	N/A	N	N	Y	Y
EIE4113	Wireless and Mobile Systems	3	ALL	N/A	N	N	Y	Y
EIE4114	Digital Forensics for Crime Investigation	3	ALL	N/A	N	N	Y	Y

Remarks:

* Eligible Student Type

'ALL' = open to all exchange/short-term non-local study students including those admitted to other departments

'Dept' = open to exchange/short-term non-local study students who are admitted to this department only

** Limitation

'N/A' = open to all exchange/short-term non-local study students

'(programme code and/or stream code)' = only open to exchange/short-term non-local study students who are enrolled in specific discipline/stream/programme