

## Full-time 4-year Undergraduate Degrees - Minor Programme

<ol> <li>Offering Department(s) in Full &amp; in Abbreviation</li> <li>Requirement for Claiming the Minor Award</li> <li>Attained 18 credits from the subjects listed under section 7, of which at least 9 credits are at level 3 or above. (Note: Student should observe the pre-requisites requirement when choosin the subjects. Relevant information is available from the 4247 Programme Booklet)</li> <li>Exclusive Programme(s) &amp; Programme Code(s)</li> <li>Effective Year</li> <li>For students admitted from 2017/18 onwards</li> <li>Students taking the Minor in EIE programme may not satisf the academic requirements for Corporate Membership of the Hong Kong Institution of Engineers (HKIE).</li> <li>Subject Code</li> <li>Subject Title</li> <li>Subject Level</li> <li>Credit</li> <li>Subject Nature</li> </ol>	1.		Programme & Programme Code			nformatio	n Fnainee	ring (42470-YFI)		
Abbreviation Requirement for Claiming the Minor Award Attained 18 credits are at level 3 or above. (Note: Student should observe the pre-requisites requirement when choosin the subjects. Relevant information is available from the 4247 Programme Booklet)  4. Exclusive Programme(s) & Programme Code(s)  5. Effective Year For students admitted from 2017/18 onwards  6. Professional Recognition Students taking the Minor in EIE programme may not satisf the academic requirements for Corporate Membership of the Hong Kong Institution of Engineers (HKIE).  7. Subject Code Subject Title Requirement for Claiming the Minor in EIE programme may not satisf the academic requirements for Corporate Membership of the Hong Kong Institution of Engineers (HKIE).  7. Subject Code Subject Title Subject Offering Department/Faculty Subject Note: Students admitted from 2017/18 onwards  Subject Note: Students admitted from 2017/18 onwards  Subject Note: Students admitted from 2017/18 onwards  Requirement for Colombia and Information Engineering (HKIE).  7. Subject Code Subject Title Subject Note: Students admitted from 2017/18 onwards  Subject Note: Students admitted from 2017/18 onwards  Requirement for Colombia and Elective  EIE2100 Basic Circuit Analysis EIE 2 3 Elective  EIE2100 Basic Circuit Analysis EIE 2 3 Elective  EIE3100 Analogue Circuit Fundamentals EIE 3 3 3 Elective  EIE3101 EIE3101 Computer System Fundamentals EIE 3 3 3 Elective  EIE3111 Computer System Fundamentals EIE 3 3 3 Elective  EIE3311 Computer System Fundamentals EIE 3 3 3 Elective  EIE3331 Communication Fundamentals EIE 3 3 3 Elective  EIE3331 Communication Fundamentals EIE 3 3 3 Elective  EIE3333 Data and Computer Communications EIE 4 3 3 Elective  EIE4100 Power System Fundamentals EIE 4 3 3 Elective  EIE4100 Power System F		Title of Minor Programme & Programme Code Offering Department(s) in Full & in						- '		
which at least 9 credits are at level 3 or above. (Note: Student should observe the pre-requisites requirement when choose the subjects. Relevant information is available from the 4247 Programme Booklet)  4. Exclusive Programme(s) & Programme Code(s)  5. Effective Year For students admitted from 2017/18 onwards  6. Professional Recognition  Students taking the Minor in EIE programme may not satisf the academic requirements for Corporate Membership of the Hong Kron Institution of Engineeries (HKIE).  7. Subject Code Subject Title Subject Offering Department/ Faculty  AMA2111 Mathematics I AMA 2 3 Elective EIE2100 Basic Circuit Analysis EIE 2 3 Elective EIE2211 Logic Design EIE 2 3 Elective EIE2211 Logic Design EIE 2 3 Elective ENG2002 Computer Programming FENG 2 3 Elective ENG2003 Information Technology FENG 2 3 Elective EIE3100 Analogue Circuit Fundamentals EIE 3 3 3 Elective EIE3110 Database System EIE 3 3 3 Elective EIE3112 Computer Systems Fundamentals EIE 3 3 3 Elective EIE3112 Database System EIE 3 3 3 Elective EIE3112 Database System EIE 3 3 3 Elective EIE3112 Database System EIE 3 3 3 Elective EIE3112 Computer Systems Fundamentals EIE 3 3 3 Elective EIE3112 Database System Fundamentals EIE 3 3 3 Elective EIE3112 Database System Fundamentals EIE 3 3 3 Elective EIE3112 Database System Fundamentals EIE 3 3 3 Elective EIE3112 Database System Fundamentals EIE 3 3 3 Elective EIE3112 Database System Fundamentals EIE 3 3 3 Elective EIE3112 Database System Fundamentals EIE 3 3 3 Elective EIE3112 Database System Fundamentals EIE 3 3 3 Elective EIE3112 Database System Fundamentals EIE 3 3 3 Elective EIE3112 Database System Fundamentals EIE 3 3 3 Elective EIE3112 Database System Fundamentals EIE 3 3 3 Elective EIE3112 Database System Fundamentals EIE 3 3 3 Electi			. ,	,g ( <b>L.L</b> )						
Code(s)  Effective Year For students admitted from 2017/18 onwards Students taking the Minor in EIE programme may not satisf the academic requirements for Corporate Membership of the Hong Kong Institution of Engineers (HKIE).  T. Subject Code AMA2111 Mathematics I AMA2112 Mathematics II AMA2112 Mathematics II EIE2100 Basic Circuit Analysis EIE EIE2102 Basic Electronics EIEE EIE221 Computer Programming ENG2002 Computer Programming EIE3100 Analogue Circuit Fundamentals EIE3109 Mobile Systems and Application Development EIE3112 Database System EIE3123 Dynamic Electronic Systems EIE3335 Integrated Analogue and Digital Circuits EIE3331 Computer Systems EIE 3 3 3 Elective EIE3333 Data and Computer Communications EIE 3 3 3 Elective EIE3333 Data and Computer Communications EIE 4 3 3 Elective EIE3333 Data and Computer Communications EIE 4 3 3 Elective EIE3333 Detain And Pattern Recognition EIE 4 3 Elective EIE3333 Data and Computer Communications EIE 4 3 Elective EIE4100 Computer Vision and Pattern Recognition EIE 4 3 Elective EIE4100 Robitic Networking EIE4104 Mobile Networking EIE4105 Rective Networking EIE4106 Rective Networking EIE4107 Rective Networking EIE4108 Rective Networking EIE4108 Rective Networking EIE4108 Rective Networking EIE4108 Rective Networking EIE4109 Rective Networking EIE4100 Rectiv	3.	Requirement fo	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. Relevant information is available from the 42470 Programme Booklet)							
Students taking the Minor in EIE programme may not satisf the academic requirements for Corporate Membership of the Hong Kong Institution of Engineers (HKIE).  7.   Subject Code   Subject Title   Subject   Coffering Department/ Faculty   Credit Value (Compulsory /Elective)    AMA2111	4.			BEng (Hons) in Electronic and Information Engineering (42470)						
the academic requirements for Corporate Membership of th Hong Kong Institution of Engineers (HKIE).  7. Subject Code  Subject Title  Subject Offering Department/ Faculty  AMA2111  Mathematics I  AMA2112  Mathematics II  AMAA  AMAA  AMAA  AMAA  Bilective  Bile2100  Basic Circuit Analysis  Bile 2  Basic Electronics  Bile 2  Basic Electronics  Bile 2  Bilective  Bile2211  Logic Design  Bile 2  Bilective  ENG2002  Computer Programming  Bile 3  Bilective  Bile3100  Analogue Circuit Fundamentals  Bile 3  Bilective  Bile3100  Analogue Circuit Fundamentals  Bile 3  Bilective  Bile3112  Database System  Bile 3  Bilective  Bile3123  Dynamic Electronic Systems  Bile 3  Bilective  Bile3311  Computer System Fundamentals  Bile 3  Bilective  Bile3312  Linear Systems  Bile 3  Bilective  Bile3331  Communication Fundamentals  Bile 3  Bilective  Bile3333  Data and Computer Communications  Bile 4  Bilective  Bile4100  Mobile Networking  Bile 4  Bilective  Miltimodal Human Computer Interaction  Bile 4  Bilective  Bilective  Miltimodal Human Computer Interaction  Bile 4  Bilective	5.	Effective Year		For students admitted from 2017/18 onwards						
AMA2111 Mathematics I AMA2112 Mathematics II AMA2112 Mathematics II AMA2112 Mathematics II AMA2112 Mathematics II AMA2112 Basic Circuit Analysis EIEE 2 3 Elective EIE2100 Basic Electronics EIEE 2 3 Elective EIE2211 Logic Design EIEE 2 3 Elective ENG2002 Computer Programming ENG2003 Information Technology EIE3100 Analogue Circuit Fundamentals EIEE 3 3 Elective EIE3100 Analogue Circuit Fundamentals EIE 3 3 Elective EIE3112 Database System EIE3112 Database System EIE3312 Dynamic Electronic Systems EIE3313 Dynamic Electronic Systems EIE3311 Computer System Fundamentals EIE 3 3 Elective EIE3311 Computer System Fundamentals EIE 3 3 Elective EIE3312 Linear System Fundamentals EIE 3 3 Elective EIE3313 Computer System Fundamentals EIE 3 3 Elective EIE3311 Computer System Fundamentals EIE 3 3 Elective EIE3312 Linear System Fundamentals EIE 3 3 Elective EIE3331 Communication Fundamentals EIE 3 3 Elective EIE3333 Data and Computer Communications EIE 4 3 Elective EIE4100 Computer Vision and Pattern Recognition EIE 4 3 Elective EIE4101 Mobile Networking EIE 4 3 Elective EIE4104 Mobile Networking EIE 4 3 Elective EIE4105 Multimodal Human Computer Interaction Technology EIE4105 Multimodal Human Computer Interaction Technology	6.	Professional Recognition			Students taking the Minor in EIE programme may not satisfy the academic requirements for Corporate Membership of the Hong Kong Institution of Engineers (HKIE).					
AMA2112 Mathematics II AMA 2 3 Elective  EIE2100 Basic Circuit Analysis EIE 2 3 Elective  EIE2102 Basic Electronics EIE 2 3 Elective  EIE2211 Logic Design EIE 2 3 Elective  ENG2002 Computer Programming FENG 2 3 Elective  ENG2003 Information Technology FENG 2 3 Elective  ENG2003 Information Technology FENG 2 3 Elective  EIE3100 Analogue Circuit Fundamentals EIE 3 3 Elective  EIE3109 Mobile Systems and Application Development EIE 3 3 Elective  EIE3112 Database System EIE 3 3 Elective  EIE3123 Dynamic Electronic Systems EIE 3 3 Elective  EIE3305 Integrated Analogue and Digital Circuits EIE 3 3 Elective  EIE3311 Computer System Fundamentals EIE 3 3 Elective  EIE3312 Linear Systems EIE 3 3 Elective  EIE3320 Object-oriented Design and Programming EIE 3 Elective  EIE3333 Data and Computer Communications EIE 3 Elective  EIE4100 Computer Vision and Pattern Recognition EIE 4 3 Elective  EIE4102 IP Networks EIE 4 3 Elective  EIE4104 Mobile Networking EIE 4 3 Elective  EIE4105 Multimodal Human Computer Interaction EIE 4 3 Elective  EIE4105 Multimodal Human Computer Interaction EIE 4 3 Elective	7.	Subject Code	Subject Title		Offering Department/	Level		Subject Nature (Compulsory /Elective)		
EIE2100Basic Circuit AnalysisEIE23ElectiveEIE2102Basic ElectronicsEIE23ElectiveEIE2211Logic DesignEIE23ElectiveENG2002Computer ProgrammingFENG23ElectiveENG2003Information TechnologyFENG23ElectiveEIE3100Analogue Circuit FundamentalsEIE33ElectiveEIE3109Mobile Systems and Application DevelopmentEIE33ElectiveEIE3112Database SystemEIE33ElectiveEIE3123Dynamic Electronic SystemsEIE33ElectiveEIE3305Integrated Analogue and Digital CircuitsEIE33ElectiveEIE3311Computer System FundamentalsEIE33ElectiveEIE3312Linear SystemsEIE33ElectiveEIE3320Object-oriented Design and ProgrammingEIE33ElectiveEIE3333Data and Computer CommunicationsEIE33ElectiveEIE4100Computer Vision and Pattern RecognitionEIE43ElectiveEIE4104Mobile NetworkingEIE43ElectiveEIE4105Multimodal Human Computer Interaction TechnologyEIE43Elective		AMA2111	Mathematics I		AMA	2	3	Elective		
EIE2102 Basic Electronics  EIE 2 3 Elective  EIE2211 Logic Design EIE 2 3 Elective  ENG2002 Computer Programming FENG 2 3 Elective  ENG2003 Information Technology FENG 2 3 Elective  EIE3100 Analogue Circuit Fundamentals EIE 3 3 Elective  EIE3109 Mobile Systems and Application Development EIE 3 3 Elective  EIE3112 Database System EIE 3 3 Elective  EIE3123 Dynamic Electronic Systems EIE 3 3 Elective  EIE3305 Integrated Analogue and Digital Circuits EIE 3 3 Elective  EIE3311 Computer System Fundamentals EIE 3 3 Elective  EIE3312 Linear Systems EIE 3 3 Elective  EIE3312 Computer System Fundamentals EIE 3 3 Elective  EIE3313 Communication Fundamentals EIE 3 Elective  EIE3320 Object-oriented Design and Programming EIE 3 Elective  EIE3331 Communication Fundamentals EIE 3 Elective  EIE4100 Computer Vision and Pattern Recognition EIE 4 3 Elective  EIE4102 IP Networks EIE 4 3 Elective  EIE4104 Mobile Networking EIE 4 3 Elective  EIE4105 Multimodal Human Computer Interaction EIE 4 3 Elective  EIE4105 Multimodal Human Computer Interaction EIE 4 3 Elective		AMA2112	Mathematics II		AMA	2	3	Elective		
EIE2211 Logic Design EIE 2 3 Elective ENG2002 Computer Programming FENG 2 3 Elective ENG2003 Information Technology FENG 2 3 Elective EIE3100 Analogue Circuit Fundamentals EIE 3 3 Elective EIE3109 Mobile Systems and Application Development EIE 3 3 Elective EIE3112 Database System EIE 3 3 Elective EIE3123 Dynamic Electronic Systems EIE 3 3 Elective EIE3124 Dintegrated Analogue and Digital Circuits EIE 3 3 Elective EIE3305 Integrated Analogue and Digital Circuits EIE 3 3 Elective EIE3311 Computer System Fundamentals EIE 3 3 Elective EIE3312 Linear Systems EIE 3 3 Elective EIE3312 Communication Fundamentals EIE 3 3 Elective EIE3331 Communication Fundamentals EIE 3 Elective EIE3331 Communication Fundamentals EIE 3 Elective EIE4333 Data and Computer Communications EIE 3 Elective EIE4100 Computer Vision and Pattern Recognition EIE 4 3 Elective EIE4102 IP Networks EIE 4 3 Elective EIE4104 Mobile Networking EIE 4 3 Elective EIE4105 Multimodal Human Computer Interaction Technology		EIE2100	Basic Circuit Analysis		EIE	2	3	Elective		
ENG2002 Computer Programming FENG 2 3 Elective ENG2003 Information Technology FENG 2 3 Elective EIE3100 Analogue Circuit Fundamentals EIE 3 3 Elective  EIE3109 Mobile Systems and Application Development EIE 3 3 Elective  EIE3112 Database System EIE 3 3 Elective  EIE3123 Dynamic Electronic Systems EIE 3 3 Elective  EIE3305 Integrated Analogue and Digital Circuits EIE 3 3 Elective  EIE3311 Computer System Fundamentals EIE 3 3 Elective  EIE3312 Linear Systems EIE 3 3 Elective  EIE3312 Computer System Fundamentals EIE 3 3 Elective  EIE3320 Object-oriented Design and Programming EIE 3 3 Elective  EIE3331 Communication Fundamentals EIE 3 3 Elective  EIE3333 Data and Computer Communications EIE 3 3 Elective  EIE4100 Computer Vision and Pattern Recognition EIE 4 3 Elective  EIE4102 IP Networks EIE 4 3 Elective  EIE4104 Mobile Networking EIE 4 3 Elective  EIE4105 Multimodal Human Computer Interaction Technology		EIE2102	asic Electronics		EIE	2	3	Elective		
ENG2003 Information Technology FENG 2 3 Elective  EIE3100 Analogue Circuit Fundamentals EIE 3 3 Elective  EIE3109 Mobile Systems and Application Development EIE 3 3 Elective  EIE3112 Database System EIE 3 3 Elective  EIE3123 Dynamic Electronic Systems EIE 3 3 Elective  EIE3305 Integrated Analogue and Digital Circuits EIE 3 3 Elective  EIE3311 Computer System Fundamentals EIE 3 3 Elective  EIE3312 Linear Systems EIE 3 3 Elective  EIE3312 Linear Systems EIE 3 3 Elective  EIE3320 Object-oriented Design and Programming EIE 3 3 Elective  EIE3331 Communication Fundamentals EIE 3 3 Elective  EIE3333 Data and Computer Communications EIE 3 3 Elective  EIE4100 Computer Vision and Pattern Recognition EIE 4 3 Elective  EIE4102 IP Networks EIE 4 3 Elective  EIE4104 Mobile Networking EIE 4 3 Elective  EIE4105 Multimodal Human Computer Interaction EIE 4 3 Elective		EIE2211	Logic Design		EIE	2	3	Elective		
EIE3100 Analogue Circuit Fundamentals EIE 3 3 Elective  EIE3109 Mobile Systems and Application Development EIE 3 3 3 Elective  EIE3112 Database System EIE 3 3 Elective  EIE3123 Dynamic Electronic Systems EIE 3 3 Elective  EIE3305 Integrated Analogue and Digital Circuits EIE 3 3 Elective  EIE3311 Computer System Fundamentals EIE 3 3 Elective  EIE3312 Linear Systems EIE 3 3 Elective  EIE3312 Linear Systems EIE 3 3 Elective  EIE3320 Object-oriented Design and Programming EIE 3 3 Elective  EIE3331 Communication Fundamentals EIE 3 3 Elective  EIE3333 Data and Computer Communications EIE 3 3 Elective  EIE4100 Computer Vision and Pattern Recognition EIE 4 3 Elective  EIE4102 IP Networks EIE 4 3 Elective  EIE4104 Mobile Networking EIE 4 3 Elective  EIE4105 Multimodal Human Computer Interaction EIE 4 3 Elective  EIE4105 Multimodal Human Computer Interaction EIE 4 3 Elective		ENG2002	Computer Programming		FENG	2	3	Elective		
EIE3109 Mobile Systems and Application Development  EIE 3 3 Elective  EIE3112 Database System EIE 3 3 Elective  EIE3123 Dynamic Electronic Systems EIE 3 3 Elective  EIE3305 Integrated Analogue and Digital Circuits EIE 3 3 Elective  EIE3311 Computer System Fundamentals EIE 3 3 Elective  EIE3312 Linear Systems EIE 3 3 Elective  EIE3320 Object-oriented Design and Programming EIE 3 3 Elective  EIE3331 Communication Fundamentals EIE 3 3 Elective  EIE3333 Data and Computer Communications EIE 3 3 Elective  EIE4100 Computer Vision and Pattern Recognition EIE 4 3 Elective  EIE4102 IP Networks EIE 4 3 Elective  EIE4104 Mobile Networking EIE 4 3 Elective  EIE4105 Multimodal Human Computer Interaction EIE 4 3 Elective  EIE4105 EIE6106		ENG2003	Information Technology		FENG	2	3	Elective		
EIE3109DevelopmentEIE33ElectiveEIE3112Database SystemEIE33ElectiveEIE3123Dynamic Electronic SystemsEIE33ElectiveEIE3305Integrated Analogue and Digital CircuitsEIE33ElectiveEIE3311Computer System FundamentalsEIE33ElectiveEIE3312Linear SystemsEIE33ElectiveEIE3320Object-oriented Design and ProgrammingEIE33ElectiveEIE3331Communication FundamentalsEIE33ElectiveEIE3333Data and Computer CommunicationsEIE33ElectiveEIE4100Computer Vision and Pattern RecognitionEIE43ElectiveEIE4102IP NetworksEIE43ElectiveEIE4104Mobile NetworkingEIE43ElectiveEIE4105Multimodal Human Computer Interaction TechnologyEIE43Elective		EIE3100	Analogue Circuit Fundamentals		EIE	3	3	Elective		
EIE3123 Dynamic Electronic Systems  EIE 3 3 Elective  EIE3305 Integrated Analogue and Digital Circuits  EIE 3 3 Elective  EIE3311 Computer System Fundamentals  EIE 3 3 Elective  EIE3312 Linear Systems  EIE 3 3 Elective  EIE3320 Object-oriented Design and Programming  EIE 3 3 Elective  EIE3331 Communication Fundamentals  EIE 3 3 Elective  EIE3333 Data and Computer Communications  EIE 3 3 Elective  EIE4100 Computer Vision and Pattern Recognition  EIE 4 3 Elective  EIE4102 IP Networks  EIE 4 3 Elective  EIE4104 Mobile Networking  EIE 4 3 Elective  EIE4105 Multimodal Human Computer Interaction  Technology		EIE3109			EIE	3	3	Elective		
EIE3305 Integrated Analogue and Digital Circuits EIE 3 3 Elective  EIE3311 Computer System Fundamentals EIE 3 3 Elective  EIE3312 Linear Systems EIE 3 3 Elective  EIE3320 Object-oriented Design and Programming EIE 3 3 Elective  EIE3331 Communication Fundamentals EIE 3 3 Elective  EIE3333 Data and Computer Communications EIE 3 3 Elective  EIE4100 Computer Vision and Pattern Recognition EIE 4 3 Elective  EIE4102 IP Networks EIE 4 3 Elective  EIE4104 Mobile Networking EIE 4 3 Elective  EIE4105 Multimodal Human Computer Interaction EIE 4 3 Elective		EIE3112	Database System		EIE	3	3	Elective		
EIE3311 Computer System Fundamentals EIE 3 3 Elective  EIE3312 Linear Systems EIE 3 3 Elective  EIE3320 Object-oriented Design and Programming EIE 3 3 Elective  EIE3331 Communication Fundamentals EIE 3 3 Elective  EIE3333 Data and Computer Communications EIE 3 3 Elective  EIE4100 Computer Vision and Pattern Recognition EIE 4 3 Elective  EIE4102 IP Networks EIE 4 3 Elective  EIE4104 Mobile Networking EIE 4 3 Elective  EIE4105 Multimodal Human Computer Interaction Technology		EIE3123	Dynamic Electronic Systems		EIE	3	3	Elective		
EIE3312 Linear Systems  EIE 3 3 Elective  EIE3320 Object-oriented Design and Programming  EIE 3 3 Elective  EIE3331 Communication Fundamentals  EIE 3 3 Elective  EIE3333 Data and Computer Communications  EIE 3 3 Elective  EIE4100 Computer Vision and Pattern Recognition  EIE 4 3 Elective  EIE4102 IP Networks  EIE 4 3 Elective  EIE4104 Mobile Networking  EIE 4 3 Elective  EIE4105 Multimodal Human Computer Interaction Technology		EIE3305	Integrated Analogue and Digital Circuits		EIE	3	3	Elective		
EIE3320 Object-oriented Design and Programming EIE 3 3 Elective  EIE3331 Communication Fundamentals EIE 3 3 Elective  EIE3333 Data and Computer Communications EIE 3 3 Elective  EIE4100 Computer Vision and Pattern Recognition EIE 4 3 Elective  EIE4102 IP Networks EIE 4 3 Elective  EIE4104 Mobile Networking EIE 4 3 Elective  EIE4105 Multimodal Human Computer Interaction Technology		EIE3311	Computer System Fundamentals		EIE	3	3	Elective		
EIE3331Communication FundamentalsEIE33ElectiveEIE3333Data and Computer CommunicationsEIE33ElectiveEIE4100Computer Vision and Pattern RecognitionEIE43ElectiveEIE4102IP NetworksEIE43ElectiveEIE4104Mobile NetworkingEIE43ElectiveEIE4105Multimodal Human Computer Interaction TechnologyEIE43Elective		EIE3312	Linear Systems		EIE	3	3	Elective		
EIE3333Data and Computer CommunicationsEIE33ElectiveEIE4100Computer Vision and Pattern RecognitionEIE43ElectiveEIE4102IP NetworksEIE43ElectiveEIE4104Mobile NetworkingEIE43ElectiveEIE4105Multimodal Human Computer Interaction TechnologyEIE43Elective		EIE3320	Object-oriented Design and Programming		EIE	3	3	Elective		
EIE4100 Computer Vision and Pattern Recognition EIE 4 3 Elective  EIE4102 IP Networks EIE 4 3 Elective  EIE4104 Mobile Networking EIE 4 3 Elective  EIE4105 Multimodal Human Computer Interaction Technology EIE 4 3 Elective		EIE3331	Communication Fundamentals		EIE	3	3	Elective		
EIE4102 IP Networks EIE 4 3 Elective  EIE4104 Mobile Networking EIE 4 3 Elective  EIE4105 Multimodal Human Computer Interaction Technology EIE 4 3 Elective		EIE3333	Data and Computer Communications		EIE	3	3	Elective		
EIE4104 Mobile Networking EIE 4 3 Elective  EIE4105 Multimodal Human Computer Interaction Technology EIE 4 3 Elective		EIE4100	Computer Vision and Pattern Recognition		EIE	4	3	Elective		
EIE4105 Multimodal Human Computer Interaction Technology EIE 4 3 Elective		EIE4102	IP Networks		EIE	4	3	Elective		
Technology EIE 4 3 Elective		EIE4104			EIE	4	3	Elective		
EIE4106 Network Management and Security EIE 4 3 Elective		EIE4105			EIE	4	3	Elective		
		EIE4106	Network Management and Security		EIE	4	3	Elective		

EIE4108	Distributed Systems and Cloud Computing	EIE	4	3	Elective
EIE4110	Introduction to VLSI and Computer-Aided Circuit Design	EIE	4	3	Elective
EIE4113	Wireless and Mobile Systems	EIE	4	3	Elective
EIE4114	Digital Forensics for Crime Investigation	EIE	4	3	Elective
EIE4116	Surveillance Studies and Technologies	EIE	4	3	Elective
EIE4118	Intrusion Detection and Penetration Test	EIE	4	3	Elective
EIE4119	Mobile Device System Architecture	EIE	4	3	Elective
EIE4122	Deep Learning and Deep Neural Networks	EIE	4	3	Elective
EIE4402	Power Electronics	EIE	4	3	Elective
EIE4413	Digital Signal Processing	EIE	4	3	Elective
EIE4428	Multimedia Communications	EIE	4	3	Elective
EIE4432	Web Systems and Technologies	EIE	4	3	Elective
EIE4435	Image and Audio Processing	EIE	4	3	Elective
EIE4449	Optical Communication Systems and Networks	EIE	4	3	Elective

## Remark:

- i. Please note that the subject pre-requisite requirements of the BEng(Hons) in Electronic and Information Engineering (42470) will also apply to this Minor in EIE programme. For details of the subject pre-requisites of the 42470 programme, please refer to the 42470 programme booklet which is available at the EIE General Office (DE614), and the departmental website at <a href="https://www.polyu.edu.hk/eie/study/undergraduate-programmes/beng\_eie\_42470-sy/">https://www.polyu.edu.hk/eie/study/undergraduate-programmes/beng\_eie\_42470-sy/</a>.
- ii. For detailed syllabus and subject pre-requisite/co-requisite/exclusion requirements, please visit the following website:
  - eStudent (http://www.polyu.edu.hk/student) > Information > Subject Search
- 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 2022