

Pathways for BSc / BSc (Hons) in Electronics

There are two pathways (Pathways 1 & 2) for students holding a relevant postsecondary qualification to enter the BSc / BSc (Hons) in Electronics programmes and follow a special route leading to the degree.

Pathway 1:

The relevant qualifications are shown in Table 1.

City University of Hong Kong	Higher Diploma in Computer Engineering
	Higher Diploma in Electronic Engineering
The Hong Kong Polytechnic University	Associateship in Electronic Engineering
	Higher Diploma in Electrical Engineering
	Higher Diploma in Electronic & Information Engineering
	Higher Diploma in Electronic Engineering
	Higher Diploma in Marine Communication & Electronic Technology
	Higher Diploma in Marine Electronics
Hong Kong Institute of Vocational Education (VTC)	Higher Diploma in Electronic & Computer Engineering
	Higher Diploma in Electrical Engineering
	Higher Diploma in Computer & Information Engineering
	Higher Diploma in Lifestyle Electronics
	Higher Diploma in Multimedia Web Development & Digital Entertainment
	Higher Diploma in Digital Electronics & Embedded System Design
	Higher Diploma in Computer & Information Engineering
	Higher Diploma in Electronic & Communications Engineering
	Higher Diploma in Electronic Engineering with Business Management
	Higher Diploma in Energy Management Services
	Higher Diploma in Telecommunications & Networking
	Higher Diploma in Telecommunications Engineering
	Higher Diploma in Communications Engineering
	Higher Diploma in Electronic Engineering
	Higher Diploma in Marine Communication & Electronic Technology
Higher Diploma in Radio & Electronic Technology	

Table 1. A list of relevant qualifications for admission to the pathway.

For BSc in Electronics, students admitted to Pathway 1 is required to complete 40 credits of courses as follows:

- (a) 20 credits from courses labelled CD or courses labelled OD of which no more than 10 credits are from courses labelled OD;
- (b) 20 credits from courses labelled HD.

For BSc (Hons) in Electronics, students admitted to Pathway 1 is required to complete 80 credits of courses as follows:

- (a) 30 credits from Middle level courses labelled CH, courses labelled TH or courses labelled DH, of which at most 10 credits are allowed from each of TH or DH;
- (b) ELEC S402;
- (c) 20 credits from courses labelled EH;
- (d) 10 credits from courses labelled BH.

Labeling of courses is shown in Table 2. Courses that are no longer available are not listed.

Pathway 2:

Pathway 2 is for students who have completed the Certificate in Aircraft Maintenance Engineering from OUHK. The Certificate is 30 credits and covers 10 credits of fundamental topics in Electronics and Mechanics, which are relevant as foundation to the BSc and BSc (Hons) in Electronics.

For BSc in Electronics, students admitted to Pathway 2 is required to complete 90 credits of courses as follows:

- (a) 10 credits from either MATH S121 or MATH S122;
- (b) 50 credits of courses labelled CD;
- (c) 20 credits of courses labelled HD; and
- (d) 10 credits of courses labelled OD.

For BSc (Hons) in Electronics, students admitted to Pathway 2 is required to complete 130 credits of courses as follows:

- (a) 10 credits from either MATH S121 or MATH S122;
- (b) 70 credits of courses labelled CH;
- (c) 20 credits of courses labelled EH;
- (d) 10 credits of courses labelled TH;
- (e) 10 credits of courses labelled DH; and
- (f) 10 credits of courses labelled BH.

<i>Course Code</i>	<i>Course Title</i>	<i>Credits</i>	<i>BSCE</i>	<i>BScHE</i>
Foundation Level				
BUS B103	Business Communication I	5	F	F
MATH S121	A Foundation in Pure Mathematics	10	F	F
MATH S122	A Foundation in Applied Mathematics	10	F	F
SCI S121	A Foundation Course in Physics and Chemistry	10	F	F
Middle level				
MGT B240	Principles and Practices of Management	5	OD	BH
ELEC S212	Network Programming and Design	10	OD	TH
MATH S221	Mathematical Methods	10	CD	CH
MATH S222	Mathematical Models with Applications	10	CD	CH
COMP S201	Computing Fundamentals with Java	10	OD	TH
COMP S258	Computer Programming and Problem Solving	10	OD	TH
COMP S260	Computer Architecture and Operating Systems	10	OD	TH
PHYS S271	Discovering Physics	10	CD	CH
ELEC S222	Electronics Principles and Digital Design	10	CD	CH
ELEC S224	Computers and Processors	10	OD	TH
ELEC S225	Analogue Circuits	10	CD	CH
MECH S264	Design: Principles and Practice	10	OD	DH
ENGG S228	Engineers in Society	5	F/OD	F/BH
Higher level				
MGT B343	Managing in Organisations	10	OD	BH
MGT B346	Theories and Practices of Organizational Behaviour	5	OD	BH
COMP S359	Relational Databases: Theory and Practice	10	OD	TH
DESN S364	Fundamentals of Interaction Design	10	OD	DH
MATH S371	Computational Mathematics	10	OD	TH
COMP S311	Java Application Development and Programming Languages	10	OD	TH
COMP S356	Software Engineering and Project Management	10	OD	TH
SCI S319	Quality Management for Science and Technology	5	OD	BH
SCI S409	Safety and Reliability for Science and Technology	5	OD	BH
ELEC S323	Information Theory and Digital Communications	10	HD/OD	EH
ELEC S334	Signal Processing and Multimedia Technology	10	HD/OD	EH
ELEC S354	Inside Electronic Devices	10	HD/OD	EH
ENGG S356	Engineering Small Worlds: Micro and Nano Technologies	10	HD/OD	EH
MECH S395	Mechatronics	10	HD/OD	EH
ELEC S402	Electronics Project Course	20	--	CH
MATH S365	Graphs, Networks and Design	10	OD	DH

Table 2. Course table for BScE and BScHE