

Pathways for BSc / BSc (Hons) in Computer Engineering

There are now new pathways (Pathways 1-3) for students who are holders of a higher diploma in a relevant discipline to enter the BSc / BSc (Hons) in Computer Engineering 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 (CITYU)	Higher Diploma in Computer Engineering
The Hong Kong Polytechnic University (HKPU)	Higher Diploma in Electrical Engineering
	Higher Diploma in Electronic & Information Engineering
	Higher Diploma in Electronic Engineering
	Higher Diploma in Multimedia Design & Technology
VTC - Hong Kong Institute of Vocational Education	Higher Diploma in Network Applications
	Higher Diploma in Computer & Information Engineering
	Higher Diploma in Lifestyle Electronics
	Higher Diploma in Electronic & Communications Engineering
	Higher Diploma in Multimedia Web Development & Digital Entertainment
	Higher Diploma in Digital Electronics & Embedded System Design
	Higher Diploma in Communications Engineering
	Higher Diploma in Electronic & Computer Engineering
	Higher Diploma in Electrical Engineering
	Higher Diploma in Electronic Engineering
	Higher Diploma in Computer Engineering
	Higher Diploma in Telecommunications & Networking
	Higher Diploma in Telecommunications Engineering

Table 1. A list of relevant qualifications for admission to Pathway 1.

For BSc in Computer Engineering, a student admitted to Pathway 1 is required to complete 40 credits of courses as follows:

- (a) 20 credits from courses labelled CD; and
- (b) 20 credits from courses labelled HD.

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

- (a) ELEC S404;
- (b) 20 credits from other courses labelled CH;
- (c) 30 credits from courses labelled HD;
- (d) additional 10 credits from courses labelled CH, MH or NH.

Labeling of courses is shown in Table 4. Courses that are no longer available are not listed.

Pathway 2:

The relevant qualifications are shown in Table 2.

VTC - Hong Kong Institute of Vocational Education	Higher Diploma in Computer Games & Animation
	Higher Diploma in Internet & Multimedia Engineering
	Higher Diploma in Network & Mobile Computing
	Higher Diploma in Web-based Technology for Business
	Higher Diploma in Computer Systems Administration

Table 2. A list of relevant qualifications for admission to Pathway 2.

For BSc in Computer Engineering, a student admitted to Pathway 2 is required to complete 50 credits of courses as follows:

- (a) 30 credits from courses labelled CD, excluding COMP S258 and COMP S260;
- (b) 20 credits from courses labelled HD.

For BSc (Hons) in Computer Engineering, students admitted to Pathway 2 is required to complete 80 credits of courses as follows:

- (a) ELEC S404;
- (b) 20 credits from other courses labelled CH;
- (c) 30 credits from courses labelled HD;
- (d) additional 10 credits from courses labelled CH, MH or NH.

Pathway 3:

The relevant qualifications are shown in Table 3.

The Hong Kong Polytechnic University (HKPU)	Higher Diploma in Marine Communication & Electronic Technology
	Higher Diploma in Marine Electronics
VTC - Hong Kong Institute of Vocational Education	Higher Diploma in Instrumentation & Materials Technology
	Higher Diploma in Electronic Engineering with Business Management
	Higher Diploma in Marine Communication & Electronic Technology
	Higher Diploma in Radio & Electronic Technology

Table 3. A list of relevant qualifications for admission to Pathway 3.

For BSc in Computer Engineering, a student admitted to Pathway 3 is required to complete 50 credits of courses as follows:

- (a) COMP S260 and ELEC S224;
- (b) 20 credits from courses labelled HD;
- (c) 10 credits from courses labelled OD.

For BSc (Hons) in Computer Engineering, students admitted to Pathway 3 is required to complete 90 credits of courses as follows:

- (a) COMP S260 and ELEC S224;
- (b) ELEC S404;
- (c) 30 credits from courses labelled HD;
- (d) 10 credits from courses labelled MH;
- (e) 10 credits from courses labelled NH.

<i>Course Code</i>	<i>Course Title</i>	<i>Credits</i>	<i>BSCCE</i>	<i>BSchCE</i>
<i>Middle level</i>				
MATH S221	Mathematical Methods	10	CD	CH
COMP S258	Computer Programming and Problem Solving	10	CD	CH
COMP S260	Computer Architecture and Operating Systems	10	CD	CH
ELEC S222	Electronics Principles and Digital Design	10	CD	CH
ELEC S224	Computers and Processors	10	CD	CH
MGT B240	Principles and Practices of Management	5	OD	MH
ELEC S212	Network Programming and Design	10	OD	MH
ENGG S228	Engineers in Society	5	OD	MH
IT S234	Website Design	10	OD	MH
<i>Higher level</i>				
MGT B346	Theories and Practices of Organizational Behaviour	5	OD	MH
SCI S319	Quality Management for Science and Technology	5	OD	MH
SCI S409	Safety and Reliability for Science and Technology	5	OD	MH
ELEC S312	Networking and Switching Technology	10	HD	HD
ELEC S332	Computer Networks	10	HD	HD
ELEC S333	Computer and PC Design	10	HD	HD
ELEC S334	Signal Processing and Multimedia Technology	10	HD	HD
ELEC S335	Digital Integrated Circuit and System Design	10	HD	HD
COMP S311	Java Application Development and Programming Languages	10	-	NH
COMP S356	Software Engineering and Project Management	10	-	NH
ELEC S323	Information Theory and Digital Communications	10	-	NH
ELEC S404	Computer Engineering Project Course	20	-	CH

Table 4. Course table for BScCE and BSchCE