

## 5. PROGRAMME, SUBJECTS, AND CREDITS

Most of the subjects in the programme are of the standard-size of 3 credits each. The programme includes Level 2 and Level 3 subjects. ('Level' of a subject indicates the intellectual demand placed upon students.)

5.1 A summary of the subjects in the programme is shown in the following table:

Subject		Status	Level	Credits	Pre-requisite
AMA203	Mathematics IA	COM	2	3	nil
AMA204	Mathematics IIA	COM	2	3	AMA203
EIE251	Electronic Circuits I	COM	2	3	nil
EIE252	Electronic Circuits II	COM	2	3	EIE251
EIE258	Electronic Design Practice	COM	2	2	EIE251
EIE261	Logic Design	COM	2	3	nil
EIE264	Computer Programming	COM	2	3	nil
EIE282	Information Technology	COM	2	3	nil
GEC2801	China Studies	COM	2	2	nil
COMP350	Computer Graphics	ELE	3	3	EIE264
EIE350	Higher Diploma Project	COM	3	6	nil
EIE351	Analogue and Digital Integrated Circuits	COM	3	3	EIE251, EIE252 EIE261
EIE361	Computer System Fundamentals	COM	3	3	EIE373
EIE362	Linear Systems	COM	3	3	AMA203
EIE373	Microcontroller Systems and Interface	COM	3	3	EIE261
EIE374	Signal Processing Applications	ELE	3	3	EIE362
EIE375	Object Oriented Design and Programming	ELE	3	3	EIE264
EIE380	Web-based Multimedia	ELE	3	3	nil
EIE381	Communication Fundamentals	COM	3	3	AMA203, AMA204
EIE399	Data Communications	ELE	3	3	nil
ELC3503	English for Engineering Students	COM	3	2	nil
ENG305	Engineering Management A	COM	3	3	nil
IC292	Industrial Centre Training	TRN	2	10 (training credits)	nil

## 5.2 Specified Progression Pattern

In order to be eligible for the award, students have to accumulate 60 credits, (excluding the training credits from practical training), pass all compulsory subjects and practical training in the Industrial Centre (IC292).

(All compulsory subjects are non-deferrable.)

### Year 1

Semester 1      Compulsory subjects :

AMA203	Mathematics IA
EIE251	Electronic Circuits I
EIE261	Logic Design
EIE264	Computer Programming
ELC3503	English for Engineering Students
GEC2801	China Studies#
IC292	Industrial Centre Training*

Semester 2      Compulsory subjects :

AMA204	Mathematics IIA
EIE252	Electronic Circuits II
EIE258	Electronic Design Practice
EIE264	Computer Programming (continued)
EIE282	Information Technology
EIE362	Linear Systems
IC292	Industrial Centre Training (continued)*

\*      Students have to undergo practical training in the Industrial Centre in Year 1 term time and summer.

#      Students are free to take this 2-credit China Studies subject in any semester in Year 1 or Year 2.

## Year 2

### Semester 1 Compulsory subjects :

EIE350	Higher Diploma Project
EIE351	Analogue and Digital Integrated Circuits
EIE373	Microcontroller Systems and Interface
EIE381	Communication Fundamentals
ENG305	Engineering Management A

### Semester 2 Compulsory subject :

EIE350	Higher Diploma Project (continued)
EIE361	Computer System Fundamentals

### Electives (choose THREE subjects) :

EIE374	Signal Processing Applications
EIE375	Object Oriented Design and Programming
EIE380	Web-based Multimedia
EIE399	Data Communications
COMP350	Computer Graphics

**Note :** Students are normally expected to follow the specified progression pattern. Approval from the Department is required if students do not wish to follow the specified pattern.

## 5.3 University Language Requirements

5.3.1 Students are expected to possess the general standard of language proficiency through the secondary school education prior to their admission to the University as follows:

- (i) English and Written Chinese

Students with overall grade “A” or “B” in HKALE(AS-level) Use of English and Chinese Language & Culture shall be considered as possessing the respective general standards of language proficiency, and thus shall be exempted from taking the respective Language Enhancement Programmes (LEP).

Students with overall grade “C” in HKALE(AS-level) Use of English and Chinese Language & Culture shall generally be considered as possessing the respective general standards of language proficiency. But if they possess component grade(s) lower than “C”, they shall be required to complete the respective LEP modules prescribed for them.

(ii) Putonghua

Students shall be assessed through the entrance test on Putonghua provided by CLC upon commencement of their programme of study at the University to determine if they shall be required to take the Putonghua LEP.

Students with grade “A” or “B” in HKCEE Putonghua shall be considered as possessing the general standard of Putonghua proficiency, and thus shall be exempted from taking the required Putonghua LEP.

Students with grade “C” in HKCEE Putonghua shall generally be considered as possessing the general standard of Putonghua proficiency. But they will be assessed again through the entrance test on Putonghua provided by CLC upon commencement of their programme of study to determine if they shall be required to take the Putonghua LEP.

- 5.3.2 Benchmarking mechanisms will be established for assessing students’ general standard of language proficiency upon admission, in order that appropriate enhancement can be provided, where necessary, to help them achieve the desired standard upon graduation.

(i) English and Written Chinese

HKALE(AS-level) Use of English and Chinese Language & Culture subjects shall be adopted as the benchmarking mechanisms.

Native speakers of English shall by default be given exemption. Exemption requests on other grounds shall be considered on a case-by-case basis.

(ii) Putonghua

CLC's entrance test on Putonghua and HKCEE Putonghua subject shall be adopted as the benchmarking mechanisms for assessing students' general levels of Putonghua proficiency upon admission.

Native speakers of Putonghua shall by default be given exemption. Exemption requests on other grounds shall be considered on a case-by-case basis.

5.3.3 To enable students to be equipped with the necessary generic language skills to pursue their studies as well as to attain the level of proficiency up to University's desired standard, appropriate non-credit bearing enhancement programmes will be provided to students in accordance with their proficiency level as identified in the entry assessment as specified in Section 5.3.2 above.

(i) Non-credit Bearing Language Enhancement Programmes

Non-credit bearing Chinese/English Language Enhancement Programmes (LEPs) shall be prescribed and provided by CLC/ELC for individual students in respect of their proficiency levels.

Students should complete the LEPs prescribed by CLC and/or ELC before their graduation.

#### 5.4 Practical Training

In Year 1, students will undergo a practical training of 8.5 weeks in the Industrial Centre, 30 hours of Engineering Drawing and Computer Graphics, and 15 hours of Industrial Safety. About 4 weeks of practical training will be taken as non-block release during Year 1 term time, and the other 5 weeks taken as block release in Year 1 summer term. Engineering drawing and computer graphics and industrial safety will be taken in Year 1 term time. The number of training credits for practical training is 10. Practical training is graded at any time when an assessment is made, just similar to other academic subjects. Only ONE aggregate grade will be given based on the performance of the student in his/her training completed in Year 1 and the grade will be reported during Semester 1 of Year 2. Students have to pass the practical training in order to be qualified for graduation, but no weighting will be contributed from the practical training in the calculation of the Weighted GPA for graduation and consideration of award

classification. In addition, the training credits will NOT be counted towards meeting the credit requirement for students holding full-time status as defined by the University.