

## 28. MAJOR IN ELECTRONIC AND INFORMATION ENGINEERING

### 28.1 Application for Taking Major/Minor Option

Students will be invited in their first year of registration to indicate an irrevocable option of whether to follow a Major/Minor route or to continue with the single-discipline degree. In conjunction with the Major in Electronic and Information Engineering (Major in EIE) programme, students may either choose a specific Minor programme, in which a set of specific subjects are prescribed for students to study, or students may just freely select elective subjects to fulfil the credit requirements (such subjects are called *free electives*). Normally a Minor programme requires 18 credits.

### 28.2 Professional Recognition

Students taking major/minor programmes may not satisfy the academic requirements for Corporate Membership of the Hong Kong Institution of Engineers (HKIE).

### 28.3 Progression Pattern

If a student chooses to follow the Major/Minor route of study, he/she will basically follow the progression pattern set out under section 5.7 or 5.8 when selecting the subjects to study in Year 1, Year 2 and Year 3. In this regard, he/she should consult the Programme Leader in choosing the subjects to study in a particular stage.

### 28.4 Credit Requirement for Major in EIE Award

The credit requirement for the Major in EIE award is 79 credits made up by the following subjects and as set out under the "Major in EIE" column in Table 4.1:

- (i) 33 credits from the subjects categorized as COM (compulsory).
- (ii) 33 credits from the subjects categorized as ELE (elective).
- (iii) 4 credits from the subjects categorized as GEC (General Education).
- (iv) 6 credits from the subjects categorized as ELC (English Language).
- (v) 3 credits from the subject categorized as CBS (Chinese Language).

### 28.5 Eligibility for graduation with Major in EIE Award with / without a Minor Award

Students must satisfy the following requirements in order to graduate:

- (i) Credit requirement:
  - (a) 79 credits required by the Major in EIE programme as stated in Section 28.4.
  - (b) 18 credits required by the specific Minor programme or from subjects of any combination of disciplines (i.e. free electives).
  - (c) A total of not less than 100 credits (if the credits required for the Major and Minor combination are less than 100, students must take extra credits from any subjects (level 1 to 4) to make up the total credit requirement of 100 credits).
- (ii) Achieves a GPA of not less than 2.0.
- (iii) Satisfies the residential requirement for at least 1/3 of the credits to be completed for the award the student is currently enrolled, unless the professional bodies stipulate otherwise.
- (iv) Fulfils the University Language requirements as set out in Section 4.2.
- (v) Achieves 13 credits categorized as TRN in Table 4.1.
- (vi) Achieves at least 1 WIE credit as set out in Section 8.2.
- (vii) Fulfils the requirement of co-curricular activities as set out in Section 9.
- (viii) Passes Foundation Mathematics (AMA106)  
*(It is only applicable to admittees who have not studied Foundation Year and who do not have a "pass" in the A-level Mathematics subject(s), and who have not been given credit transfer for the subject AMA201 stipulated in the curriculum. These students are required to take a mandatory Mathematics Benchmark Test (MBT) prior to the commencement of their studies. Those who pass the MBT are exempted from this graduation requirement and they follow the normal study pattern. Those who fail or do not attend the MBT are required to take a non-credit bearing subject AMA106 "Foundation Mathematics", which is a pre-requisite for AMA201. A pass in AMA106 "Foundation Mathematics" is thus a graduation requirement for these students.)*

#### 28.6 Guidelines for Award Classification (Major / Minor Programme)

- (i) For students who have completed a Major/Minor programme, a single classification will be awarded and their award classification will be based on both their "Major GPA" and "Minor GPA". For students who have completed a Major programme combined with free electives, their award classification will be determined by their "Major GPA" and the grades obtained in the free electives.
- (ii) "Major GPA" is derived based on all subjects of the Major programme.

- (iii) The "Major GPA" will be Weighted GPA to be derived by a mechanism same as that for the Weighted GPA for award classifications of students on the single-discipline degree (see Sections 27.1 to 27.3 above), except that there will be fewer subjects to be counted for the "Major GPA" due to the difference in the curriculum between a Major programme and a single-discipline degree.
- (iv) "Minor GPA" is derived based on the 18 credits of Minor study (either a specific Minor or a free combination of electives). "Minor GPA" will be unweighted.
- (v) The "Major GPA" and the "Minor GPA" will be presented separately to the Board of Examiners for consideration. The guidelines for determining award classification as stipulated in Sections 27.4 to 27.7 are applicable to Major/Minor studies.
- (vi) In order to be eligible for a particular award classification, a student should have comparable standard of performance in both his Major and Minor studies.
- (vii) In cases where the attainment of a student in the Minor study may warrant the granting of an award classification different from the one the student deserves for his Major study, the Board of Examiners has the discretion to recommend a classification which better reflects the student's performance on the Major study.