

4. PROGRAMME, SUBJECTS, AND CREDITS

4.1 Programme Specified Subjects

Most subjects to be studied at Year 1 and Year 2 are of standard credit value carrying 3 credits each, except for some subjects, such as Capstone Project, Professional Communication, etc. which carry credits other than 3. A student is expected to spend about 35 to 45 hours of study (inclusive of class contact and other study effort) to earn a credit. Table 4.1 lists the subjects, their credit values, and the category they belong to (Compulsory or Elective). All discipline-specific subjects shown as compulsory are non-deferrable and must be taken in accordance to the progression pattern. The subjects offered will be updated from time to time according to the need of society and the profession.

Students are required to complete a minimum of 64 or more academic credits to satisfy the degree requirements. The exact minimum number of academic credits required will depend on the academic background of the students. The subjects contributing to the 64 academic credits are listed in Table 4.1. Please refer to Section 25 for detailed information on the requirements for graduation.

Table 4.1 Subjects Category and Credits

Year 1 and Year 2 Curricula

Subject Code	Subject Title	Credit	Category of Subjects
General University Requirements (GUR)			
-	Cluster-Area Requirement I (CAR I)	3	COM
-	Cluster-Area Requirement II (CAR II)	3	COM
-	Service-Learning	3	COM
-	Language and Communication Requirement I, II and III (LCR I, LCR II and LCR III)*	0-9	COM
Discipline-Specific Requirement (DSR)			
AMA3100	Number, Combinatorics, and Statistics	3	COM
CBS3241P	Professional Communication in Chinese	2	COM
COMP3222	Software Design Principles	3	COM
COMP3334	Computer Systems Security	3	COM
COMP3335	Database Security	3	COM
COMP3512	Legal Aspects, Professionalism and Ethics of Computing	3	COM
EIE3117	Integrated Project	3	COM
EIE3120	Network Technologies and Security	3	COM
EIE3333	Data and Computer Communications	3	COM
EIE3343	Computer Systems Principles	3	COM
ELC3521	Professional Communication in English	2	COM
COMP4127	Information Systems Audit and Control	3	ELE (Select any 2 subjects out of these 4 subjects)
COMP4134	Biometrics and Security	3	
COMP4435	Dependable Computing	3	
COMP4512	Intellectual Property Protection and Management	3	
COMP4442	Service and Cloud Computing	3	COM
COMP4913	Capstone Project	6	COM (Select any 1 subject out of these 2 subjects)
EIE4117	Capstone Project		
EIE4113	Wireless and Mobile Systems	3	COM
EIE4114	Digital Forensics for Crime Investigation	3	ELE (Select any 2 subjects out of these 3 subjects)
EIE4115	Intrusion Detection and Prevention	3	
EIE4116	Surveillance Studies and Technologies	3	
EIE3189	Summer Internship	2	TRN/WIE

Note:

AMA	Department of Applied Mathematics
CBS	Department of Chinese and Bilingual Studies
COM	Compulsory
COMP	Department of Computing
EIE	Department of Electronic and Information Engineering
ELC	English Language Centre
ELE	Elective
TRN	Training
WIE	Work-Integrated Education
*	Students are also required to fulfil the Language and Communication Requirements (LCR) as set out in Section 4.2 below in order to be eligible for graduation.

4.2 Language and Communication Requirements (LCR)

Students are required to fulfil the four major components of the overall English and Chinese language requirements below in order to be eligible for graduation:

- (i) Language and Communication Requirements (LCR) in English (6 credits) and Chinese (3 credits), as stated in Sections 4.2.1 and 4.2.2 below;
- (ii) Writing Requirement, as stated in Section 4.2.3 below;
- (iii) Reading Requirement, as stated in Section 4.2.4 below; and
- (iv) Discipline-Specific Language Requirement, as stated in Section 4.2.5 below.

Students would be considered for credit transfer for 4.2 (i) based on their previous studies in AD/HD programmes and their academic performance. Students not meeting the equivalent standard of the Undergraduate Degree LCR will be required to take degree LCR subjects on top of the normal curriculum requirement. The Department will refer to the guidelines provided by the Language Centres (ELC and CBS) to determine whether a new student has met the equivalent standard.

4.2.1 English

All undergraduate students must successfully complete two 3-credit English language subjects as stipulated by the University (Table 1). These subjects are designed to suit students' different levels of English language proficiency at entry, as determined by their HKDSE score or the English Language Centre (ELC) entry assessment (when no HKDSE score is available).

Students who can demonstrate that they have achieved a level beyond that of the LCR proficient level subjects as listed in Table 2 (based on an assessment by ELC) may apply for subject exemption or credit transfer of the LCR subject or subjects concerned.

Table 1: Framework of English LCR subjects

HKDSE	Subject 1	Subject 2
Level 5 or equivalent	Advanced English for University Studies 3 credits	Any one LCR Proficient level subject in English (see Table 2) 3 credits
Level 4 or equivalent	English for University Studies 3 credits	Advanced English for University Studies 3 credits
Level 3 or equivalent	Practical English for University Studies 3 credits	English for University Studies 3 credits

Table 2: LCR Proficient level subjects in English

For students entering with HKDSE Level 5, or at an equivalent level or above	Advanced English Reading and Writing Skills	3 credits each
	Persuasive Communication	
	English in Literature and Film	

4.2.2 Chinese

All undergraduate students are required to successfully complete one 3-credit Chinese language subject successfully as stipulated by the University (Table 3). These Chinese subjects are designed to suit students' different levels of Chinese language proficiency at entry, as determined by their HKDSE score or the Chinese Language Centre (CLC) entry assessment (when no HKDSE score is available). Students can also opt to take additional Chinese LCR subjects (Table 5) as their free electives.

Students who are non-Chinese speakers (NCS), or whose Chinese standards are at junior secondary level or below, will also be required to take one LCR subject specially designed to suit their language background and entry standard as shown in Table 4.

Students who can demonstrate that they have achieved a level beyond that of the subject "Advanced Communication Skill in Chinese" as listed in Table 3 (based on an assessment made by CLC) may apply for subject exemption or credit transfer of the LCR subject concerned.

Table 3: Framework of Chinese LCR subjects

HKDSE	Required Subject
HKDSE Level 4, 5 or equivalent	Advanced Communication Skills in Chinese (ACSC) 3 credits
HKDSE Level 3 or equivalent	Fundamentals of Chinese Communication (FCC) 3 credits
For non-Chinese speakers or students whose Chinese standards are at junior secondary level or below	One subject from Table 4 below

Table 4: Chinese LCR Subjects for non-Chinese speakers or students whose Chinese standards are at junior secondary level or below

Subject	Pre-requisite/exclusion	
CBS1151 Chinese I (for non-Chinese speaking students)	For non-Chinese speaking students at beginners' level	3 credits each
CBS1152 Chinese II (for non-Chinese speaking students)	<ul style="list-style-type: none"> For non-Chinese speaking students; and Students who have completed Chinese I or equivalent 	
CBS2151 Chinese III (for non-Chinese speaking students)	<ul style="list-style-type: none"> For non-Chinese speaking students at higher competence levels; and Students who have completed Chinese II or equivalent 	
CBS2154 Chinese IV (for Non-Chinese speaking students)	<ul style="list-style-type: none"> For non-Chinese students at intermediate competence levels; and Students who have completed Chinese III or equivalent 	
CBS2152 Chinese Literature – Linguistics and Cultural Perspective (for non-Chinese speaking students)	For non-Chinese speaking students at higher competence levels	

Table 5: Other LCR Electives in Chinese

Subject	Pre-requisite/exclusion	
CBS2103P Chinese and the Multimedia	<ul style="list-style-type: none"> For students entering with HKDSE Level 4 or above; or Students with advanced competence level as determined by the entry assessment; or Students who have completed "Fundamentals of Chinese Communication" 	3 credits each
CBS2102P Creative Writing in Chinese	<ul style="list-style-type: none"> For students entering with HKDSE Level 4 or above; or Students with advanced competence level as determined by the entry assessment; or Students who have completed "Fundamentals of Chinese Communication" 	
CBS1153/CBS1153P Elementary Cantonese	For students whose native language is not Cantonese	
CBS2153 Intermediate Cantonese	<ul style="list-style-type: none"> Successful completion of "Elementary Cantonese"; or Meet a certain standard in a pre-course assessment 	
CBS2101P Putonghua in the Workplace	<ul style="list-style-type: none"> Students who have completed "Fundamentals of Chinese Communication" or could demonstrate the proof with basic Putonghua proficiency For students whose native language is not Putonghua 	

4.2.3 Writing Requirement in CAR Subjects

In addition to the LCR in English and Chinese explained above, all students must also, among the Cluster Areas Requirement (CAR) subjects they take, pass one subject that requires a substantial piece of writing in English and one subject that requires a substantial piece of writing in Chinese. Students who are non-Chinese speakers or those whose Chinese standards are at junior secondary level or below will be exempted from the Chinese Writing requirement.

4.2.4 Reading Requirement in CAR Subjects

All students must, among the CAR subjects they take, must pass one subject that requires the reading of an extensive text in English and one subject that requires the reading of an extensive text in Chinese. Students who are non-

Chinese speakers or those whose Chinese standards are at junior secondary level or below will be exempted from the Chinese Reading requirement.

A list of approved CAR subjects for meeting the Writing Requirement (with a “W” designation) and for meeting the Reading Requirement (with an “R” designation) is shown at: <https://www2.polyu.edu.hk/as/Polyu/GUR/index.htm>

4.2.5 Discipline-Specific Language Requirement

In addition to the LCR mentioned in Sections 4.2.1 to 4.2.4 above, students also have to complete the subject “Professional Communication” (2 credits in English and 2 credits in Chinese) as the discipline-specific language requirements.

Students who are non-Chinese speakers or those whose Chinese standards are at junior secondary level or below will be exempted from the Discipline-Specific Chinese Language requirement, i.e. CBS3241P Professional Communication in Chinese. These students must take 1 subject of any level to make up for the minimum total credit requirement.