

5. SPECIFIED PROGRESSION PATTERN

5.1 The following curriculum is for students with relevant Higher Diploma/Associate Degree from a recognized institution ^{Note a, f}. All subjects are 3 credits unless otherwise stated.

Year 1	
Semester 1 (15 credits)	Semester 2 (17 credits)
AMA3100 Number, Combinatorics and Statistics	COMP3222 Software Design Principles
EIE3120 Network Technologies and Security	COMP3512 Legal Aspects, Professionalism and Ethics of Computing
COMP3334 Computer Systems Security	ELC3521 Professional Communication in English (2 credits)
EIE3333 Data and Computer Communications	EIE3117 Integrated Project
CAR I ^{Note b, d}	COMP3335 Database Security
	EIE3343 Computer Systems Principles
EIE3189 Summer Internship (2 training credits)	
Year 2	
Semester 1 (17 credits)	Semester 2 (15 credits)
COMP4913 Capstone Project/EIE4117 Capstone Project (6 credits)	
CBS3241P Professional Communication in Chinese (2 credits)	COMP4442 Service and Cloud Computing
EIE4113 Wireless and Mobile Systems	Technical Elective 2 ^{Note c} / CAR II ^{Note b, d}
Service-Learning	Technical Elective 3 ^{Note c}
Technical Elective 1 ^{Note c}	Technical Elective 4 ^{Note c}
CAR II ^{Note b, d} / Technical Elective 2 ^{Note c}	

Total Number of Credits: 64 academic credits + 2 training credits

Note a: This is an example only which shows a possible study pattern for graduates with relevant Higher Diploma/Associate Degree from a recognized institution. The exact study pattern varies from student to student depending on his/her academic background.

Note b: The study pattern for the subjects is indicative only. Students may take these subjects according to their own schedule. They are recommended to consult their Academic Advisor for guidance and planning if necessary.

Note c: At least 3 technical electives must be at level 4 or above.

Note d: 6 credits of Cluster Areas Requirement (CAR) from two different cluster areas. Students also need to fulfil the English and Chinese reading and writing requirements and take 3 of the 6 CAR credits designated as "China-related" (China Studies Requirement), if such requirements have not been fulfilled in previous studies.

Note e: General University Requirement (GUR): 9 credits;
Discipline-Specific Requirement (DSR): 55 credits.

Note f: The credits required and progression pattern presented above are for students who have met the 9-credit Undergraduate Degree LCR subject requirements based upon their previous studies. Students not meeting the equivalent standard of the Undergraduate Degree LCR will be required to take the required LCR subjects. Details on the Undergraduate Degree LCR subjects are given in section 4.2 of this booklet.

5.2 The subjects of the programme can be categorized into 4 main groups: (i) Fundamentals; (ii) Core Security Technologies; (iii) Applications; and (iv) Projects. Students are assumed to have acquired the relevant background knowledge from their previous study before joining the programme. The diagram below shows the relationship among subjects: if a subject is a pre-requisite of another subject, an arrow is drawn from the former subject to the latter subject.



