

<b>SECR Elective Courses (CHOOSE 5)</b>			
<b>Code</b>	<b>Course</b>	<b>Credit</b>	<b>Pre-requisite</b>
SECR3223	High Performance & Parallel Computing	3	SECJ1023
SECR3253	Network Programming	3	SECJ1013
SECR3263	Wireless Sensor Network	3	SECR2242
SECR4453	Network Security	3	SECR2242
SECR4483	Secure Programming	3	SECR3443
SECR4973	Special Topics on Computer Network & Security	3	

### **PRISMS ELECTIVE COURSES**

For students who intend to enrol in PRISMS, refer to the PRISMS Section for a list of related elective courses associated with the Postgraduate Programme. The PRISMS elective begins with code SECP/J/R5XX3.

### **GRADUATION CHECKLIST**

To graduate, students must pass all the stated courses in the course menu including the 5 compulsory Professional Skills Certificate Courses. It is the responsibility of the students to ensure that all courses are taken and passed. Students who do not complete any of the course are not eligible to graduate.

<b>NO.</b>	<b>CODE</b>	<b>COURSE</b>	<b>CREDIT EARNED (JKD)</b>	<b>CREDIT COUNT-ED (JKK)</b>	<b>TICK (✓) IF PASSED</b>
<b>COMPUTER SCIENCE COURSES</b>					
<b>CORE COURSES (74 CREDITS)</b>					
1	SECI1013	Discrete Structure	3	3	
2	SECJ1013	Programming Technique I	3	3	
3	SECR1013	Digital Logic	3	3	
4	SECP1513	Technology & Information System	3	3	
5	SECI1113	Computational Mathematics	3	3	
6	SECI2143	Probability & Statistical Data Analysis	3	3	
7	SECJ1023	Programming Technique II	3	3	
8	SECR2033	Computer Organisation and Architecture	3	3	
9	SECD2523	Database	3	3	

10	SECD2613	System Analysis and Design	3	3	
11	SECJ2013	Data Structure and Algorithm	3	3	
12	SECR1213	Network Communications	3	3	
13	SECV2113	Human Computer Interaction	3	3	
14	SECJ2203	Software Engineering	3	3	
15	SECV1223	Web Programming	3	3	
16	SECR2043	Operating Systems	3	3	
17	SECJ2154	Object Oriented Programming	4	4	
18	SECR3032	Computer Networks and Security Project I	2	2	
19	SECJ3203	Theory of Computer Science	3	3	
20	SECR4118	Industrial Training	8	HW	
21	SECR4114	Industrial Training Report	4	4	
22	SECR4134	Computer Networks and Security Project II	4	4	
23	SCSD3761	Technopreneurship Seminar	1	1	
<b>ELECTIVES COURSES (34 CREDITS)</b> – Choose SECR3104 and 10 other elective courses from the following list (which can include up to maximum of 4 PRISMS courses, for qualified students)					
<b>SECR ELECTIVES COURSES</b>					
24	SECR3104	Applications Development	4	4	
25	SECJ3553	Artificial Intelligence	3	3	
26	SECR2242	Computer Networks	2	3	
27	SECR2941	Computer Networks Lab	1	3	
28	SECR3241	Internetworking Technology	2	4	
29	SECR3941	Internetworking Technology Lab	1	3	
30	SECR3413	Computer Security	3	3	
31	SECR3443	Cryptography	3	3	
32	SECR3223	High Performance & Parallel Computing	3	3	
33	SECR3253	Network Programming	3	3	
34	SECR3263	Wireless Sensor Network	3	3	
35	SECR4453	Network Security	3	3	
36	SECR4483	Secure Programming	3	3	
37	SECR4973	Special Topics on Computer Network & Security	3	3	
<b>PRISMS ELECTIVES COURSES</b>					
38	SECR5013	Cryptographic Engineering	3	3	
39	SECR5023	Digital Forensics	3	3	
40	SECR5033	Information Security Governance and Risk Management	3	3	
41	SECR5043	Cloud Computing Security	3	3	
42	SECR5053	Penetration Testing	3	3	
43	SECJ5013	Secure Software Engineering	3	3	
44	SECJ5023	Advanced Theory of Computer Science	3	3	

45	SECJ5033	Advanced Data Structure and Algorithms	3	3	
46	SECJ5043	Advanced Artificial Intelligence	3	3	
47	SECP5013	Advanced Analytics for Data Science	3	3	
48	SECP5023	Big Data Management	3	3	
49	SECP5033	Business Intelligence and Analytics	3	3	
50	SECP5043	Data Science Governance	3	3	
51	SECP5053	Massive Mining and Streaming	3	3	
52	SECP5063	Statistics for Data Science	3	3	
<b>TOTAL CREDIT OF COMPUTER SCIENCE COURSES (a)</b>			<b>108</b>	<b>100</b>	
<b>UNIVERSITY GENERAL COURSES</b>					
<b>Cluster 1: Appreciation of Philosophy, Value and History (Faculty of Social Sciences and Humanities)</b>					
For Malaysian Students					
1	UHS1022	Falsafah dan Isu Semasa	2	2	
2	UHMS1182	Penghayatan Etika dan Peradaban	2	2	
For International Students					
1	UHS1022	Falsafah dan Isu Semasa	2	2	
	UHMS1182	Penghayatan Etika dan Peradaban			
2	UHLM1012	Malaysia Language for Communication	2	2	
<b>Cluster 2: Generic Skills</b>					
1	UBSS1032	Introduction to Entrepreneurship	2	2	
2	UHMT1012	Graduate Success Attributes	2	2	
<b>Cluster 3: Knowledge Enhancement</b>					
1	UHIT2302	The Thought of Science and Technology	2	2	
<b>Cluster 4: Co-Curriculum and Service Learning</b>					
1	UKQF2xx2	Service Learning Co-curriculum Elective	2	2	
2	UKQT3001	Extracurricular Experiential Learning	1	1	
<b>Cluster 5: Language Skills (Language Academy, Faculty of Social Sciences and Humanities)</b>					
1	UHLB1122	English Communication Skills	2	2	
2	UHLB2122	Academic Communication Skills	2	2	
3	UHLB3132	Professional Communication Skills	2	2	
4	UHLx1112	Foreign Language Elective	2	2	
<b>Other University Electives</b>					
1	Uxxx2xx2	Any 1 course from Cluster 2 or Cluster 3	2	2	

<b>TOTAL CREDIT of UNIVERSITY GENERAL COURSES (c)</b>	23	23	
<b>TOTAL CREDIT TO GRADUATE (a + b + c)</b>	131	123	

#### OTHER COMPULSORY COURSES

No.	PSC COURSE	
<b>COMPULSORY COURSES</b>		
1	Design Thinking for Entrepreneur	
2	Talent and Competency Management	
3	English Communication Skills for Graduating Students (ECS)	
<b>ELECTIVE COURSES</b>		
4	Occupational Safety, Health & Environment (OSHE) ( <i>Compulsory to all FE students</i> )	
5.	Choose ONE elective course from the following list: 13. Data Analytics for Organization 14. Construction Measurement (Mechanical & Electrical Works) 15. Professional Ethics and Integrity 16. Other electives courses offered in future	