

GRADUATION CHECKLIST

To graduate, students must pass all the stated courses in this checklist. 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 allowed to graduate.

NO.	CODE	COURSE	CREDIT EARNE D (JKD)	CREDIT COUNT ED (JKK)	TICK (√) IF PASS ED
COMPUTER SCIENCE COURSES					
CORE COURSES (77 CREDITS)					
1	SECP1513	Technology and Information Systems (WBL)	3	3	
2	SECJ1013	Programming Technique I	3	3	
3	SECR1013	Digital Logic	3	3	
4	SECI1013	Discrete Structure	3	3	
5	SECJ1023	Programming Technique II	3	3	
6	SECV2113	Human Computer Interaction	3	3	
7	SECI1143	Probability & Statistical Data Analysis	3	3	
8	SECR1033	Computer Organization and Architecture	3	3	
9	SECP2523	Database *(WBL)	3	3	
10	SECP2613	System Analysis and Design *(WBL)	3	3	
11	SECJ2013	Data Structure and Algorithm	3	3	
12	SECR2213	Network Communication	3	3	
13	SECJ2154	Object Oriented Programming	4	3	
14	SECR2043	Operating Systems	3	3	
15	SECD3761	Technopreneurship Seminar	1	3	
16	SECJ3553	Artificial Intelligence	3	3	
17	SECP3204	Software Engineering *(WBL)	4	4	
18	SECP4114	Professional Development	4	4	
19	SECP4124	Professional Practice	4	4	
20	SECP4134	Professional Development and Practice Report	4	4	
21	SECP4112	Initial Industry Project Proposal	2	2	
22	SECP4223	Industrial Integrated Project Proposal	3	3	
23	SECP4235	Industrial Integrated Project Development	5	5	
24	SECP4234	Industrial Integrated Project Report	4	4	
ELECTIVES COURSES (31 CREDITS) – Choose SECP3106 and 8 other elective courses from the following list.					
25	SECP3723	System Development Technology (WBL)	3	3	
26	SECP2733	Multimedia Data Modeling *(WBL)	3	3	
27	SECP2633	Information Retrieval	3	3	

28	SECP2753	Data Mining	3	3	
29	SECP3133	High Performance Data Processing	3	3	
30	SECP3213	Business Intelligence	3	3	
31	SECP3623	Database Programming	3	3	
32	SECP3713	Database Administration	3	3	
33	SECP3223	Data Analytics Programming	3	3	
34	SECP3744	Enterprise System Design and Modeling (WBL)	4	4	
35	SECP3843	Special Topic in Data Engineering *(WBL)	3	3	
36	SECP3823	Knowledge Management Systems *(WBL)	3	3	
37	SECP3106	Application Development *(WBL)	6	6	
38	SECP3416	Management Information System *(WBL)	6	6	
TOTAL CREDIT OF COMPUTER SCIENCE COURSES (a)			108	108	
UNIVERSITY GENERAL COURSES					
Cluster 1: Appreciation of Philosophy, Value and History (Faculty of Social Sciences and Humanities)					
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	
Cluster 2: Generic Skills					
1	UBSS1032	Introduction to Entrepreneurship	2	2	
2	UHMT1012	Graduate Success Attributes	2	2	
Cluster 3: Knowledge Enhancement					
1	UHIT2302	The Thought of Science and Technology	2	2	
Cluster 4: Co-Curriculum and Service Learning					
1	UKQF2xx2	Service-Learning Co-curriculum Elective	2	2	
2	UKQT3001	Extracurricular Experiential Learning	1	1	
Cluster 5: Language Skills (Language Academy, Faculty of Social Sciences and Humanities)					
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	

Other University Electives					
1	Uxxx2xx2	Any 1 course from Cluster 2 or Cluster 3	2	2	
TOTAL CREDIT of UNIVERSITY GENERAL COURSES (c)			23	23	
TOTAL CREDIT TO GRADUATE (a + b + c)			131	131	

OTHER COMPULSORY COURSES – PROFESSIONAL SKILLS CERTIFICATE (PSC)			
Students are required to enrol and pass FIVE (5) PSC courses, to be eligible to graduate. Enrol the PSC courses as follows:			
COMPULSORY PSC COURSES (Enrol All 3 Courses)			
1	GLRB0010	Design Thinking for Entrepreneur	
2	GLRM0010	Talent and Competency Management	
3	GLRL0010	English Communication Skills for Graduating Students (ECS)	
ELECTIVE PSC COURSES (Choose Any 2 Courses only)			
1	GLRT0010	Data Analytics for Organization	
2	GLRM0020	Professional Ethics and Integrity	
3	GLRT0020	Construction Measurement (Mechanical & Electrical)	
4	GLRT0030	OSHE for Engineering Industry and Laboratory	
5	GLRT0040	OSHE for Construction Industry and Laboratory Works	
6	GLRT0050	Quality Management for Build Environment and Engineering Professionals	
7	GLRT0060	Safety and Health Officer Introductory Course	
8	GLRT0070	Industrial Machinery and Lubrication	
Or any other elective PSC courses offered by UTM iLeague. Information on PSC Courses: https://ileague.utm.my/utm-professional-skills-certificate-utm-psc/ Online PSC Registration: https://elearnpsc.utmspace.edu.my/			