

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 EARNED (JKD)	CREDIT COUNTED (JKK)	TICK (✓) IF PASSED
BIOMEDICAL ENGINEERING COURSES					
1	SEBB 1012	Introduction to Biomedical Engineering	2	2	
2	SEBB 1513	Basic Anatomy and Physiology	3	3	
3	SEEU 1023	Circuit Theory	3	3	
4	SEBB 1523	Advanced Anatomy and Physiology	3	3	
5	SEBB 1313	Statics and Dynamics	3	3	
6	SEEU 1223	Digital Electronics	3	3	
7	SEEU 2073	Signals and Systems	3	3	
8	SEEU 1063	Electronic Devices	3	3	
9	SEBB 2712	Laboratory 1	2	2	
10	SEBB 2033	Computer Programming for Biomedical Engineer	3	3	
11	SEEU 2523	Electromagnetic Field Theory	3	3	
12	SEEU 3133	System Modeling and Analysis	3	3	
13	SEBB 2513	Basic Rehabilitation	3	3	
14	SEEU 3063	Electronic Circuits and Systems	3	3	
15	SEEU 3533	Communication Principles	3	3	
16	SEBB 3712	Laboratory 2	2	2	
17	SEBB 3313	Biomedical Materials	3	3	
18	SEBB 3423	Clinical Engineering	3	3	
19	SEBB 3323	Solid Mechanics	3	3	
20	SEBB 3023	Biomedical Imaging	3	3	
21	SEBB 3722	Laboratory 3	2	2	
22	SEBB 3033	Microprocessor Systems	3	3	
23	SEBB 3043	Instrumentation and Measurement in Biomedical	3	3	
25	SEBB 4915	Industrial Training (HW)	5	HL	
27	SEBB 4313	Biomedical Systems Design	3	3	

28	SEBB 4413	Biochemistry for Biomedical Engineers	3	3	
29	SEBB 4712	Laboratory 4	2	2	
30	SEBB 4812	Project Part 1	2	2	
31	SEBB 4023	Biomedical Signal Processing	3	3	
32	SEBB 4**3	Elective 1	3	3	
33	SEBB 5**3	PRISM Elective 1			
34	SEBB 4824	Project Part 2	4	4	
35	SEBB 4**3	Elective 2	3	3	
36	SEBB 5**3	PRISM Elective 2			
37	SEBB 4**3	Elective 3	3	3	
38	SEBB 5**3	PRISM Elective 3			
39	SEBB 4032	Professional Biomedical Engineering Practice	2	2	
		TOTAL CREDIT OF BIOMEDICAL ENGINEERING COURSES (a)	98	93	
APPLIED SCIENCE / MATHEMATICS / COMPUTER COURSES					
1	SSCE 1693	Engineering Mathematics 1	3	3	
2	SSCE 1793	Differential Equations	3	3	
3	SSCE 1993	Engineering Mathematics 2	3	3	
4	SSCE 2193	Engineering Statistics	3	3	
5	SSCE 2393	Numerical Methods	3	3	
		TOTAL CREDIT OF APPLIED SCIENCE / MATHEMATICS / COMPUTER COURSES (b)	15	15	
UNIVERSITY GENERAL COURSES					
Cluster 1: Appreciation of Philosophy, Value and History (Faculty of Social Sciences and Humanities)					
1	UHMS 1172	Malaysian Dynamics (Local)	2	2	
	UHLM 1012	Malay Language Communication 2 (International)			
2	UHS 1012	Islamic and Asian Civilization (local)	2	2	
	UHMS 1022	Malaysian Studies (international)			

Cluster 2: Generic Skills					
1	UHMT 1012	Graduate Success Attributes	2	2	
Cluster 3: Knowledge Enhancement					
1	UHI* 2**2	Elective of Knowledge Enhancement	2	2	
2	UHM*2**2	Elective of Generic Skill			
3	UHIT 2302	Science and Technology Thinking	2	2	
Cluster 4: Co-Curriculum and Service Learning					
1	UKQ* 2**2	Elective of Service Learning Co-Curriculum	2	2	
2	UKQT 3001	Extracurricular Experiential Learning (ExCEL)	1	1	
Cluster 5: Language Skills (Language Academy, Faculty of Social Sciences and Humanities)					
1	UHLB 1112	English Communication Skills	2	2	
2	UHL* 1112	Elective of Foreign Language	2	2	
3	UHLB 2122	Academic Communication Skills	2	2	
4	UHLB 3132	English for Professional Purposes	2	2	
Cluster 6: Entrepreneurial Skills					
1	UBSS 1032	Introduction to Entrepreneurship	2	2	
2	SHAS 4542	Engineering Management	2	2	
		TOTAL CREDIT of UNIVERSITY GENERAL COURSES (c)	25	25	
		TOTAL CREDIT TO GRADUATE (a + b + c)	138	133	

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/			