

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	SSCE 1693	Engineering Mathematics 1	3	3	
5	UHLB1112	English Communication Skills	2	2	
6	UHMS 1172	Malaysian Dynamics (Local)	2	2	
7	UHLM 1012	Malay Language Communication 2 (International)			
8	UHMT 1012	Graduate Success Attributes	2	2	
9	SEBB 1523	Advanced Anatomy and Physiology	3	3	
10	SEBB 1313	Statics and Dynamics	3	3	
11	SEEU 1223	Digital Electronics	3	3	
12	SSCE 1793	Differential Equations	3	3	
13	UHis 1012	Islamic and Asian Civilization (local)	2	2	
14	UHMS 1022	Malaysian Studies (international)			
15	UHL* 1112	English of Language Skills	2	2	
16	SEEU 2073	Signals and Systems	3	3	
17	SEEU 1063	Electronic Devices	3	3	
18	UBSS 1032	Introduction to Entrepreneurship	2	2	
19	SEBB 2712	Laboratory 1	2	2	
20	SSCE 1993	Engineering Mathematics 2	3	3	

21	UHLB 2122	Academic Communication Skills	2	2	
22	SEBB 2033	Computer Programming for Biomedical Engineer	3	3	
23	UKQ* 2**2	Elective of Service Learning Co-Curriculum	2	2	
25	UHI* 2**2	Elective of Knowledge Enhancement	2	2	
27	UHM*2**2	Elective of Generic Skill			
28	UHIT 2302	Science and Technology Thinking	2	2	
29	SEEU 2523	Electromagnetic Field Theory	3	3	
30	SSCE 2193	Engineering Statistics	3	3	
31	SEEU 3133	System Modeling and Analysis	3	3	
32	SEBB 2513	Basic Rehabilitation	3	3	
33	SEEU 3063	Electronic Circuits and Systems	3	3	
34	SEEU 3533	Communication Principles	3	3	
35	SEBB 3712	Laboratory 2	2	2	
36	SEBB 3313	Biomedical Materials	3	3	
37	SSCE 2393	Numerical Methods	3	3	
38	SEBB 3423	Clinical Engineering	3	3	
39	SEBB 3323	Solid Mechanics	3	3	
40	SEBB 3023	Biomedical Imaging	3	3	
41	SEBB 3722	Laboratory 3	2	2	
42	SEBB 3033	Microprocessor Systems	3	3	
43	SEBB 3043	Instrumentation and Measurement in Biomedical	3	3	
44	UHLB 3132	Professional Communication Skills	2	2	
45	SEBB 4915	Industrial Training (HW)	5	HL	
46	SEBB 4313	Biomedical Systems Design	3	3	
47	SEBB 4413	Biochemistry for Biomedical Engineers	3	3	
48	SEBB 4712	Laboratory 4	2	2	
49	SEBB 4812	Project Part 1	2	2	
50	SEBB 4023	Biomedical Signal Processing	3	3	
51	SEBB 4**3	Elective 1	3	3	
	SEBB 5**3	PRISM Elective 1			
52	UKQT 3001	Extracurricular Experiential Learning (ExCEL)	1	1	

53	SEBB 4824	Project Part 2	4	4	
54	SEBB 4**3	Elective 2	3	3	
	SEBB 5**3	PRISM Elective 2			
55	SEBB 4**3	Elective 3	3	3	
	SEBB 5**3	PRISM Elective 3			
56	SHAS 4542	Engineering Management	2	2	
57	SEBB 4032	Professional Biomedical Engineering Practice	2	2	
TOTAL CREDIT TO GRADUATE (a + b + c)			138	133	
OTHER COMPULSORY COURSES					
Professional Skills Certificate (PSC) (UTMSPACE/ School)					
<ul style="list-style-type: none"> Students are required to enrol and pass FIVE (5) PSC courses, in order to be eligible to graduate. Please refer to page FE 8 in the UG Academic Handbook, for more information about PSC courses. 					
Compulsory PSC Courses (Enrol all 4 courses)					
1	GSPX XXXX	Design Thinking for Entrepreneur			
2	GSPX XXXX	Talent and Competency Management			
3	GSPX XXXX	Faculty Engineering Safety Pass (FESP) <i>MODULE 1 - compulsory for SKM, SKT and SKE students</i> <i>MODULE 2 – compulsory for SKA, SC, SKBSK students</i>			
4	GSPX XXXX	English Communication Skills for Graduating Students (ECS)			
Elective PSC Courses (Choose 1 only)					
1	GSPX XXXX	Data Analytics for Organization			
2	GSPX XXXX	Writing			
3	GSPX XXXX	Construction Measurement (Mechanical & Electrical Works)			
4	GSPX XXXX	Professional Ethics and Integrity			
5	GSPX XXXX	More elective courses to be added in future			

COURSE SYNOPSIS

CORE COURSES

SEEU 1023 Circuit Theory

This course introduces students to the basic laws, theorems and methods of DC and AC circuit analysis such as Ohms law, Kirchhoff Current and Voltage Laws, Thevenin and Norton theorems, concept of series and parallel circuits etc. Based on these, the students are expected to be able to solve variables in any given DC and AC electric circuits. With the knowledge learned, the student would be able to apply the basic laws, theorem and methods of analysis for solving various problems in circuit analysis with confidence.