

PRISMS ELECTIVE COURSES

For students who intend to enroll into PRISMS programme, refer to the PRISMS Section for a list of related elective courses associated with the postgraduate programmes.

Requirements

Students who are eligible to apply for PRISMS are those with academic qualification who are in Year 3 Semester 2 with cumulative average grade value of CGPA 3.3 and above. Students can apply for PRISMS in Year 3 Semester 2 through the Program Integrasi Sarjana Muda-Sarjana (PRISMS) application form and must be recommended by the Academic Advisor, approved by the Program Director and certified by the Chair of School or Dean of Faculty.

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.

Bachelor of Electrical Engineering with Honours - SEEEH

NO.	CODE	COURSE	CREDIT EARNED (JKD)	CREDIT COUNTED (JKK)	TICK (✓) IF PASSED
BACHELOR OF ENGINEERING (ELECTRICAL)					
1.	SEEE 1012	Introduction to Electrical Engineering	2	2	
2.	SEEE 1013	Electrical Circuit Analysis	3	3	
3.	SEEE 1022	Introduction to Scientific Programming	2	2	
4.	SEEE 1073	Electronic Devices and Circuits	3	3	
5.	SEEE 1223	Digital Electronics	3	3	
6.	SEEE 2073	Signals and Systems	3	3	
7.	SEEE 2133	Electronic Instrumentation & Measurement	3	3	
8.	SEEE 2263	Digital Systems	3	3	
9.	SEEE 2423	Fundamentals of Electrical Power Systems	3	3	

10.	SEEE 2523	Electromagnetic Field Theory	3	3	
11.	SEEE 2742	2nd Year Electronic Design Lab	2	2	
12.	SEEE 3133	System Modeling & Analysis	3	3	
13.	SEEE 3143	Control System Design	3	3	
14.	SEEE 3223	Microprocessor	3	3	
15.	SKEE 3533	Communication Principles	3	3	
16.	SEEE 3732	Common 3rd Year Laboratory	2	2	
17.	SEEE 3742	Specialized 3rd Year Laboratory	2	2	
18.	SEEE 4012	Professional Engineering Practice	2	2	
19.	SEEE 4423	Power System Engineering	3	3	
20.	SEEE 4433	Power Electronics and Drives	3	3	
21.	SEEE 4443	Power System Analysis	3	3	
22.	SEEE 4463	High Voltage Technology	3	3	
23.	SEEE 4633	Electrical Machines	3	3	
24.	SEEE 4723	Capstone Project	3	3	
25.	SEEE 4812	Final Year Project Part I	2	2	
26.	SEEE 4824	Final Year Project Part II	4	4	
27.	SEEE 4926	Practical Training	6	6	
28.	SEE* 4**3 / SEE*5**3	Field Elective 1 / PRISMS Elective 1	3	3	
29.	SEE* 4**3 / SEE*5**3	Field Elective 2 / PRISMS Elective 2	3	3	
30.	SEE* 4**3 / SEE*5**3	Field Elective 3 / PRISMS Elective 3	3	3	
31.	SEE* 4**3 / SEE*5**3	Field Elective 4 / PRISMS Elective 4	3	3	
32.	SEE* 4**3	Field Elective 5	3	3	
33.	SECP 1103	C Programming Techniques	3	3	

34.	SEMU 2113	Engineering Science	3	3	
35.	SHMS 4542	Engineering Management	2	2	
		TOTAL CREDIT OF ENGINEERING COURSES(a)	101	95	
MATHEMATICS COURSES (Faculty of Science)					
1.	SSCE 1693	Engineering Mathematics I	3	3	
2.	SSCE 1793	Differential Equations	3	3	
3.	SSCE 1993	Engineering Mathematics II	3	3	
4.	SSCE 2193	Engineering Statistics	3	3	
5.	SSCE 2393	Numerical Methods	3	3	
		TOTAL CREDIT OF MATHEMATICS COURSES (b)	15	15	
UNIVERSITY GENERAL COURSES					
Cluster 1: Appreciation of Philosophy, Value and History (Faculty of Social Sciences and Humanities)					
1.	UHMS 1182	Appreciation of Ethics and Civilizations (for Local Students)	2	2	
	UHS 1022 OR UHMS 1182	Philosophy and Current Issues (for International Students) OR Appreciation of Ethics and Civilizations (for International Students)			
2.	UHS 1022	Philosophy and Current Issues (for Local Students)	2	2	
	UHLM 1012	Malay Language 2 (for International Students)			
Cluster 2: Generic Skills					
1.	UHMT 1012	Graduate Success Attributes	2	2	
2.	UBSS 1032	Introduction to Entrepreneurship	2	2	
Cluster 3: Knowledge Enhancement					
1.	UHIT 2302	The Thought of Science and Technology	2	2	

Cluster 4: Co-Curriculum and Service Learning					
1.	UKQF 2**2	Elective of Co-Curricular Service Learning	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.	UHLB 2122	Academic Communication Skills	2	2	
3.	UHLB 3132	Professional Communication Skills	2	2	
4.	UHL* 1112	Elective Of Foreign Language	2	2	
		TOTAL CREDIT of UNIVERSITY GENERAL COURSES (c)	21	21	
		TOTAL CREDIT TO GRADUATE (a + b + c)	137	131	
OTHER COMPULSORY COURSES - PROFESSIONAL SKILLS CERTIFICATE (PSC).					
<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 (Enroll 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 COURSE (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			