

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 courses are not allowed to graduate.

NO	CODE	COURSE	CREDIT EARNED (JKD)	CREDIT COUNTED (JKK)	TICK (✓) IF PASSED
PETROLEUM ENGINEERING COURSES					
1	SETP 1313	Introduction to Petroleum Engineering	3	3	
2	SETP 1113	Engineering Mechanics	3	3	
3	SETP 1123	Fluid Mechanics	3	3	
4	SETP 1133	Engineering Drawing	3	3	
5	SETP 1711	Fluid Mechanics Lab.	1	1	
6	SETP 2213	Basic Geosciences	3	3	
7	SETP 2721	Geosciences Lab	1	1	
8	SETP 2113	Thermodynamics	3	3	
9	SETP 2123	Mechanics of Materials	3	3	
10	SETP 2313	Reservoir Rock and Fluids Properties	3	3	
11	SETP 2731	Thermodynamics & Mechanics of Material Lab.	1	1	
12	SETP 3413	Drilling Engineering	3	3	
13	SETP 3741	Drilling Fluid Lab.	1	1	
14	SETP 3213	Formation Evaluation	3	3	
15	SETP 3313	Reservoir Engineering	3	3	
16	SETP 3731	Reservoir Engineering Lab.	1	1	
17	SETP 3921	Geology Field Work	1	1	
18	SETP 3423	Well Completion	3	3	
19	SETP 3113	Petroleum Economics	3	3	
20	SETP 3513	Petroleum Production Engineering	3	3	
21	SETP 3123	Health, Safety and Environment	3	3	
22	SETP 3323	Reservoir Simulation	3	3	
23	SETP 3812	Undergraduate Project I	2	2	
25	SETP 3915	Industrial Training (Year 3/Short Sem.) for 12 weeks/3 months	5	HL	
27	SETP 4814	Undergraduate Project II	4	4	
28	SETP 4822	Field Development Plan I	2	2	

29	SETP 4213	Petroleum Geology	3	3	
30	SETP 4113	Petroleum Management and Entrepreneurship	3	3	
31	SETP 4313	Well Testing	3	3	
32	SETP 4834	Field Development Plan II	4	4	
33	SETP 4323	Secondary and Tertiary Oil Recovery	3	3	
34	SETP 4513	Gas Engineering	3	3	
35	SETP 4**3	Petroleum Eng. Elective	3	3	
36	SET* 4**3	Technical Elective	3	3	
		TOTAL CREDIT OF PETROLEUM ENGINEERING COURSES (a)	92	87	
APPLIED SCIENCE / MATHEMATICS / COMPUTER COURSES					
1	SCSP 1103	Programming Technique I	3	3	
2	SSCE 1693	Engineering Mathematics I	3	3	
3	SSCE 1793	Differential Equations	3	3	
4	SSCE 1993	Engineering Mathematics II	3	3	
5	SSCE 2193	Engineering Statistics	3	3	
6	SSCE 2393	Numerical Methods	3	3	
7	SEEU 2003	Electrical Technology	3	3	
8	SSCK 1203	Analytical Chemistry for Engineering	3	3	
		TOTAL CREDIT OF APPLIED SCIENCE / MATHEMATICS / COMPUTER COURSES (b)	24	24	
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	
	UHMS 1022	Philosophy and Current Issues (for International Students)			
	OR UHMS 1182	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 Communication 2 (for International Students)			
Cluster 2: Generic Skills					
1	UHMT 1012	Graduate Success Attributes	2	2	
2	U*** 2**2	University General Elective (Soft Skills Cluster)	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	Co-Curriculum & 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	Foreign Language Elective	2	2	
Cluster 6: Entrepreneurial Skills					
1	UBSS 1032	Introduction to Entrepreneurship	2	2	
		TOTAL CREDIT of UNIVERSITY GENERAL COURSES (c)	23	23	
		TOTAL CREDIT TO GRADUATE (a + b + c)	139	134	

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/			