

## GRADUATION CHECKLIST INTAKE 2019/2020

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
<b>SCHOOL OF CIVIL ENGINEERING COURSES</b>					
1	SEAA 1011	Introduction to Civil Engineering	1	1	
2	SEAA 1023	Engineering Surveying	3	3	
3	SEAA 1031	Survey Camp (YEAR 1 / SHORT SEMESTER)	1	HL	
4	SEAA 1213	Engineering Mechanics	3	3	
5	SEAA 1422	Engineering Drawing	2	2	
6	SEAA 1513	Fluid Mechanics	3	3	
7	SEAA 1713	Soil Mechanics	3	3	
8	SEAA 2012	Civil Engineering Laboratory 1	2	2	
9	SEAA 2032	Mechanical & Electrical Systems	2	2	
10	SEAA 2112	Civil Engineering Materials	2	2	
11	SEAA 2223	Mechanics of Materials and Structures	3	3	
12	SEAA 2413	Computer Programming	3	3	
13	SEAA 2513	Hydraulics	3	3	
14	SEAA 2712	Engineering Geology and Rock Mechanics	2	2	
15	SEAA 2722	Geotechnics 1	2	2	
16	SEAA 2832	Highway Engineering	2	2	
17	SEAA 2912	Water Treatment	2	2	
18	SEAA 2922	Wastewater Engineering	2	2	
19	SEAA 3012	Civil Engineering Laboratory 2	2	2	
20	SEAA 3022	Integrated Design Project 1	2	2	
21	SEAA 3045	Industrial Training (YEAR 3 / SHORT SEMESTER) for 12 weeks / 3 months	5	HL	
22	SEAA 3123	Construction Technology, Estimating & Contract	3	3	
23	SEAA 3243	Theory of Structures	3	3	
24	SEAA 3313	Reinforced Concrete Design 1	3	3	
25	SEAA 3323	Structural Steel & Timber Design	3	3	
26	SEAA 3412	Building Information Modelling and Data Management	2	2	
27	SEAA 3613	Hydrology and Water Resources	3	3	
28	SEAA 3712	Geotechnics 2	2	2	
29	SEAA 3842	Traffic Engineering	2	2	
30	SEAA 3913	Environmental Management	3	3	
31	SEAA 4021	Civil Engineering Seminar	1	HL	
32	SEAA 4022	Research Methodology and Pre-Project	2	2	
33	SEAA 4034	Final Year Project	4	4	
34	SEAA 4032	Integrated Design Project 2	2	2	

35	SEAA 4113	Construction & Project Management	3	3	
36	SEAA 4223	Structural Analysis	3	3	
37	SEAA 4333	Reinforced Concrete Design 2	3	3	
38	SEAA 4##3	Elective 1	3	3	
39	SEAA 4##3	Elective 2	3	3	
40	SEAA 4##3	Elective 3	3	3	
<b>TOTAL CREDIT OF CIVIL ENGINEERING COURSES (a)</b>			<b>101</b>	<b>94</b>	
<b>MATHEMATICS COURSES (Faculty of Science)</b>					
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	
<b>TOTAL CREDIT OF MATHEMATICS COURSES (b)</b>			<b>15</b>	<b>15</b>	
<b>UNIVERSITY GENERAL COURSES</b>					
<b>Kluster 1: Penghayatan Falsafah, Nilai &amp; Sejarah (Faculty of Social Sciences and Humanities)</b>					
1	UHMS1182	Penghayatan Etika dan Peradaban (for Local Students Only)	4	4	
	UHS1022	Falsafah dan Isu Semasa (for Local Students only)			
2	UHS1022	Falsafah dan Isu Semasa <i>(for International Students Only)</i>	4	4	
	@	@			
	UHMS1182	Penghayatan Etika dan Peradaban <i>(for International Students Only)</i>			
	ULAM 1012	Malay Language Communication 2 (for International Students Only)			
<b>Kluster 2: Kemahiran Insaniah (Soft Skills)</b>					
1	UHMT1012	Graduate Success Attributes	2	2	
2	UBSS 1032	Introduction to Entrepreneurship	2	2	
<b>Kluster 3: Perluasan Ilmu</b>					
1	UHIT 2302	The Thought of Science and Technology	2	2	
<b>Kluster 4: Kurikulum Pembelajaran Servis</b>					
1	UKQ# 2##2	Co-Curriculum & Service Learning	2	2	
2	UKQE 3001	Extracurricular Experiential Learning (EXCEL)	1	1	
<b>Kluster 5: Kemahiran Bahasa (Language Skill) (Language Academy, Faculty of Social Sciences and Humanities)</b>					
1	UHLB 1122	Academic English Skills	2	2	
2	UHLB 2122	Advanced Academic English Skills	2	2	
3	UHLB 3132	English for Professional Purposes	2	2	
4	ULAX 1122	Elective Of Foreign Language	2	2	
<b>TOTAL CREDIT of UNIVERSITY GENERAL COURSES (c)</b>			<b>21</b>	<b>21</b>	
<b>TOTAL CREDIT TO GRADUATE (a + b + c)</b>			<b>137</b>	<b>130</b>	
<b>OTHER COMPULSORY COURSES</b>					
<b>Professional Skills Certificate (PSC) (UTMSPACE/ School)</b>					
1	GLL 1001	How to Get Your Self Employed			
2	GLL 1029	ISO 9001:2008 Quality Management System Requirement			
3	GLL 1040	Occupational Safety, Health and Environment			
4	GLL 1041	How to Manage Your Personal Finance			

**Test of English Communication Skill (TECS)**  
**(Language Academy, Faculty of Social Sciences and Humanities)**

1	TECS 1001	Oral Interaction
2	TECS 1002	Writing