

STUDY PLAN FOR BACHELOR OF BIOMEDICAL SCIENCE (HONS) 2021/2022 INTAKE
Year 1, Semester 1 2021/2022

Components	Code	Course Name	Credit Hours
University Required Courses	CCUB 1061	Usrah 1	0.5
	UNGS 1201	Sustainable Development: Issues, Policies and Practices	2
	UNGS 1301	Basic Philosophy and Islamic Worldview	3
	LMBD 1131	Bahasa Melayu 1*	1
Programme Core	AHBS 1311	Anatomy I	3
	AHBS 1313	Physiology I	3
	AHBS 1211	Principles of Microbiology	2
	AHBS 1315	Biochemistry	3
	AHBS 1213	IT & Health Informatics	2
	Total Credit Hours		18.5

*Exempted if taken during SPM or its equivalent

Year 1, Semester 2 2021/2022

Components	Code	Course Name	Credit Hours
University Required Courses	CCUB 2163	Usrah in Action 1 (SD: Community Profiling)	1
	LQAD 1003	Introduction to Arabic for Quranic Understanding 1	0.5
	LEED 1301	English for Academic Writing	3
Fundamental Core	LM 2026***	Bahasa Melayu Kerjaya (Sains Dan Teknologi)	2
Programme Core	AHBS 1312	Anatomy II	3
	AHBS 1314	Physiology II	3
	AHBS 1316	Developmental Psychology for Health Sciences	3
	AHBS 1318	Principles of Genetics	3
	AHBS 1322	Human Biochemistry	3
	Total Credit Hours		21.5

*** Local students only

Year 2, Semester 1 2022/2023

Components	Code	Course Name	Credit Hours
University Required Courses	LMBD 1132	Bahasa Melayu 2*	1
	CCUB 1062	Usrah 2	0.5
	TQTD 1002	Tilawah Al-Quran 1	0.5
	SCSH 3164	Usrah in Action 2	1
	UNGS 2290	Knowledge & Civilization in Islam	2
	Programme Core	AHBS 2313	Pharmacology
AHBS 2315		Medical Parasitology	3
AHBS 2317		Medical Microbiology	3
AHBS 2319		Basic Pathology	3
	Total Credit Hours		16

*Exempted if taken during SPM or its equivalent

Year 2, Semester 2 2022/2023

Components	Code	Course Name	Credit Hours
University Required Courses	TQTD 2002	Tilawah Al-Quran 2	0.5
	LQAD 2003	Introduction to Arabic for Quranic Understanding 2	0.5
	UNGS 2380	Ethics and Fiqh of Contemporary Issues	3
Programme Core	AHBS 2312	Systemic Pathology & Cytology	3
	AHBS 2314	Epidemiology and Research Methodology	3
	AHBS 2316	Haematology	3
	AHBS 2212	Basic Immunology	2
	AHBS 2318	Toxicology	3
	Total Credit Hours		18

Year 3, Semester 1 2023/2024

Components	Code	Course Name	Credit Hours
University Required Courses	CCSS 1010/2010/3010	Skill 1	0.5
	CCLM 2051	Leadership	0.5
Programme Core (All)	AHBS 3211	Research Project I	2
Programme Core (All)	AHBS 3311	Biostatistics	3
Programme Core (Diagnostic)*	AHBS 3431	Clinical Biochemistry	4

Programme Core (Diagnostic)*	AHBS 3331	Immunology and Haematology Lab Practices	3
Programme Core (Research)*	AHBS 3441	Natural Product & Herbal Medicine	4
Programme Core (Research)*	AHBS 3341	Molecular Biology Techniques	3
Total Credit Hours			13

*Students choose either Diagnostic or Research pathway. Students retain their chosen pathway until the end of their study.

Year 3, Semester 2 2023/2024

Components	Code	Course Name	Credit Hours
University Required Courses	CCSS 1010/2010/3010	Skill 2	0.5
	CCFM 2052	Family Management	0.5
Programme Core (All)	AHBS 3612	Research Project II	6
Programme Core (All)	AHBS 3212	Quality Laboratory Management	2
Programme Core (Diagnostic)	AHBS 3332	Transfusion Science and Blood Banking	3
Programme Core (Research)	AHBS 3342	Special Topics in Biomedical Sciences	
Elective course (Diagnostic pathway)	AHBS 3252	Biomedical Imaging	*4
	AHBS 3254	Hospital & Healthcare Management	
	AHBS 3256	Hospital Safety	
	AHBS 3258	Lean Management	
Elective course (Research pathway)	AHBS 3262	Advances in Biomedical Technology	
	AHBS 3272	Pharmaceutical Science	
	AHBS 3274	Molecular Cancer Research	
	AHBS 3276	Cell & Tissue Culture	
	AHBS 3278	Laboratory Animal Management	
Total Credit Hours			16

*Students in both pathways need a minimum of 4 credit hours from the elective courses listed in Semester 2 Year 3.

Year 3, Semester 3 2023/2024

Components	Code	Course Name	Credit Hours
Programme Core (Diagnostic)	AHBS 3701	Biomedical Practicum I	7
Programme Core (Research)	AHBS 3703	Industrial Training I	7
Total Credit Hours			7

Year 4, Semester 1 2024/2025

Components	Code	Course Name	Credit Hours
Programme Core (Diagnostic)	AHBS 4105	Biomedical Practicum II	18
Programme Core (Research)	AHBS 4107	Industrial Training II	18
Total Credit Hours			18

Year 4, Semester 2 2025/2026

Components	Code	Course Name	Credit Hours
Programme Core	AHBS 4212	Case Study	2
	AHBS 4214	Entrepreneurship	2
	AHBS 4216	Ethics and Law for Health Professionals	2
Elective (All)	AHBS 4382	Community Service	*6
Elective (Diagnostic)	AHBS 4352	Public Health Entomology	
Elective (Diagnostic)	AHBS 4354	Laboratory Diagnostic Toxicology	
Elective (Diagnostic)	AHBS 4356	Molecular Diagnostic	
Elective (Diagnostic)	AHBS 4358	Diagnostic Microbiology	
Elective (Research)	AHBS 4372	Environmental Microbiology	
Elective (Research)	AHBS 4374	Advanced Immunology	
Elective (Research)	AHBS 4376	Nanomedicine	
Elective (Research)	AHBS 4378	Advanced Pharmacology	
Total Credit Hours			

*Students in both pathways need a minimum of 6 credit hours from the elective courses listed in Semester 2 Year 4

	Credit Hours (Malaysian)	Credit Hours (International)
UNICORE	20	22
Fundamental Core	2	0
Programme Core	108	108
Elective	10	10
Total Credit Hours □	140	140