

BACHELOR IN MEDICAL LABORATORY SCIENCE (HONS) HS402

SEMESTER 1 (LONG SEMESTER)				
No.	Courses	Course Code	Credit Hours	Prerequisite Course
1.	Technical English 1	ZES1133	3	N/A
2.	Ethics and Law for Health Professional	MGS2133	3	N/A
3.	Human Anatomy & Physiology 1	MGS1143	3	N/A
4.	Basic Biochemistry	MGS1133	3	N/A
5.	Basic Microbiology	MGS1233	3	N/A
6.	Principle of Laboratory Science	MLS1113	3	N/A
Total Credit			18	

SEMESTER 2 (SHORT SEMESTER)				
No.	Courses	Course Code	Credit Hours	Prerequisite Course
1.	Third Language – Mandarin 1**	ZLU1222	2	N/A
	Third Language – Japanese 1**	ZLU1212		
	Third Language – French 1**	ZLU1242		
2.	Technical English 2	ZES1243	3	Technical English 1 – ZES1133
3.	Cell and Human Genetics	MLS1223	3	N/A
Total Credit			8	

SEMESTER 3 (LONG SEMESTER)				
No.	Courses	Course Code	Credit Hours	Prerequisite Course
1.	U1A – TITAS** [LS]	MPU3123	3	N/A
	U1A - Bahasa Melayu Komunikasi II** [IS]	MPU3143		N/A
2.	Histology and Cytology	MLS3223	3	N/A
3.	Human Anatomy and Physiology 2	MGS1213	3	Human Anatomy and Physiology 1 – MGS1143
4.	Immunology	MLS2113	3	N/A
5.	Laboratory Instrumentation	MLS1253	3	N/A
6.	Pathology	MGS1243	3	N/A
Total Credit			18	

SEMESTER 4 (LONG SEMESTER)				
No.	Courses	Course Code	Credit Hours	Prerequisite Course
1.	U1B – Hubungan Etnik* [LS]	MPU3113	3	N/A
	U1B – Pengajian Malaysia* III [IS]	MPU3173		N/A
2.	Introduction to Occupational Safety and Health	MOS1113	3	N/A
3.	Clinical Microbiology	MLS3233	3	Basic Microbiology - MGS1233
4.	Pharmacology and Toxicology	MLS2233	3	N/A
5.	Biostatistics	MGS3113	3	N/A
Total Credit			15	

SEMESTER 5 (SHORT SEMESTER)				
No.	Courses	Course Code	Credit Hours	Prerequisite Course
1.	Third Language – Mandarin 2**	ZLU2222	2	Mandarin 1 – ZLU1222
	Third Language – Japanese 2**	ZLU2212		Japanese 1 – ZLU1212
	Third Language – French 2**	ZLU2242		French 1 – ZLU1242
2.	U2 - Kemahiran Al-Quran 2	MPU3232	2	N/A
	U2 - Social Work Skills	MPU3222		
	U2 - Bahasa Kebangsaan A* (if not credit BM in SPM)	MPU3212		
3.	Virology and Mycology	MLS2253	3	N/A
Total Credit			7	

SEMESTER 6 (LONG SEMESTER)				
No.	Courses	Course Code	Credit Hours	Prerequisite Course
1.	U3 - Introduction to Malaysian Legal System	MPU3322	2	N/A
	U3 - Dakwah Islam Di Malaysia	MPU3312		
2.	Basic Hematology	MLS2223	3	N/A
3.	Clinical Biochemistry	MLS3154	4	Basic Biochemistry – MGS1133
4.	Histopathology	MLS2263	3	Histology and Cytology – MLS3223
5.	Research Methodology	MGS2323	3	N/A
6.	Applied Molecular Biology	MES2113	3	N/A
Total Credit			18	

SEMESTER 7 (LONG SEMESTER)				
No.	Courses	Course Code	Credit Hours	Prerequisite Course
1.	Diagnostic Cytology	MLS1233	3	Histology and Cytology – MLS3223
2.	Transfusion Science and Blood Banking	MLS3134	4	Immunobiology – MLS2113
3.	Clinical Haematology	MLS3174	4	Basic Hematology – MLS2223
4.	Advance Medical Diagnostic	MLS3253	3	Applied Molecular Biology – MES2113
5.	Medical Parasitology and Entomology	MLS3213	3	N/A
Total Credit			17	

SEMESTER 8 (SHORT SEMESTER)				
No.	Courses	Course Code	Credit Hours	Prerequisite Course
1.	U4 - Sukan (Sport)	MPU3412	2	N/A
	U4 - Pengaturcaraan Majlis (Event Management)	MPU3422		
	U4 - Khidmat Masyarakat	MPU3452		
Total Credit			2	

SEMESTER 9 (LONG SEMESTER)				
No.	Courses	Course Code	Credit Hours	Prerequisite Course
1.	Research Project	MGS4116	6	Research Methodology – MGS2323
2.	Scientific Communication	MLS3243	3	Research Methodology – MGS2323
3.	Entrepreneurship	PFS3233	3	N/A
Total Credit			12	

SEMESTER 10 (LONG SEMESTER)				
No.	Courses	Course Code	Credit Hours	Prerequisite Course
1.	Clinical Internship 1	MLS4138	8	Pass all courses in previous semesters
Total Credit			8	

SEMESTER 11 (SHORT SEMESTER)				
No.	Courses	Course Code	Credit Hours	Prerequisite Course
1.	Pollution and Prevention	MES2132	2	N/A
	Hazardous Waste Management	MOS3232		
2.	Laboratory Management	MLS3263	3	N/A
Total Credit			5	

SEMESTER 12 (LONG SEMESTER)				
No.	Courses	Course Code	Credit Hours	Prerequisite Course
1.	Clinical Internship 2	MLS4238	8	Pass all courses in previous semesters
Total Credit			8	