

**CURRICULUM SUMMARY**  
**BACHELOR DEGREE OF MECHANICAL ENGINEERING WITH HONOURS**  
**4 YEAR PROGRAM (FKMP)**

YEAR	CODE	1st SEMESTER		CODE	2nd SEMESTER		CODE	3rd SEMESTER	
		Courses	CREDIT		Courses	CREDIT		Courses	CREDIT
1	BDA 10203	Statics	3	BDA 10903	Solid Mechanics I	3			
	BDA 10602	Creativity & Innovation	2	BDA 14303	Electric and Electronic Technology	3			
	BDA 10703	Technical Drawing and CAD	3	BDA 14403	Calculus For Engineers	3			
	BDA 10803	Material Science	3	BDA 17301	Mechanics Engineering Laboratory I	1			
	BDA 17201	Material Science Engineering Laboratory	1	BDA 18301	Mechanical Engineering Workshop II	1			
	BDA 18201	Mechanical Engineering Workshop I	1	UHB 10100	English for Higher Education	0			
	UQI 10102	Islamic Studies /	2	UQ* 1**01	Co-Curriculum I	1			
	UQI 10202	Moral Studies		UQI 10302	Islamic and Asian Civilisation	2			
				UWB 1*02	Foreign Language	2			
			<b>15</b>			<b>16</b>			
2	BDA 20103	Dynamics	3	BDA 20303	Mechanics of Machine	3			
	BDA 20603	Fluid Mechanics I	3	BDA 20402	Engineering Materials Selection	2			
	BDA 20703	Thermodynamics I	3	BDA 20903	Solid Mechanics II	3			
	BDA 24202	Computer Programming	2	BDA 30203	Fluid Mechanics II	3			
	BDA 24303	Differential Equations	3	BDA 30403	Thermodynamics II	3			
	UQ` 1**01	Co-Curriculum II	1	UHB 20102	Essential Academic English	2			
	UQU 10103	Nationhood & Current Develop't of Malaysia /	3	UQU 10202	Ethnic Relationship /	2			
	UQU 10303	Malaysia Studies and Culture		UWB 11202	Malay Language				
			<b>18</b>			<b>18</b>			
3	BDA 30603	Heat Transfer	3	BDA 24103	Engineering Statistics	3	BDA 38105	Industrial Training	5
	BDA 30703	Control Engineering	3	BDA 31103	Vibration	3			
	BDA 30903	Solid Modelling	3	BDA 31203	Mechanical Component Design	3			
	BDA 31302	Occupational Safety and Health (OSH)	2	BDA 31403	Manufacturing Technology	3			
	BDA 34103	Numerical Methods	3	BDA 37601	Mechanics Engineering Laboratory III	1			
	BDA 37401	Mechanics Engineering Laboratory II	1	BDA 40902	Engineering Economy	2			
	BDA 37501	Thermofluids Engineering Laboratory	1	UHB 30102	English for Technical Purposes	2			
	BDA 41002	Entrepreneurship	2						
			<b>18</b>			<b>17</b>		<b>5</b>	
4	BDA 31003	Finite Element Method	3	BDA 49104	Bachelor Degree Project II	4			
	BDA 40703	Industrial Engineering	3	BD* 4*03	Elective I	3			
	BDA 40804	Integrated Engineering Design	4	BD' 4^*03	Elective II	3			
	BDA 40502	Engineers & Society	2	BD' 4*03	Elective III	3			
	BDA 49002	Bachelor Degree Project I	2						
	UHB 40102	English for Occupational Purposes	2						
			<b>16</b>			<b>13</b>		<b>0</b>	
<b>Total Credit</b>									<b>136</b>

Laboratory Info	
Lab 1	Material Science
Lab 2	Statics & Solid Mechanics I
Lab 3	Mechanics of Machine & Dynamics
Lab 4	Thermodynamics & Fluid Mechanics
Lab 5	Control & Solid Mechanic II