

B.ENG (HONS.) MECHANICAL ENGINEERING (AUTOMOTIVE)

YEAR	FIRST		SECOND		THIRD		FOURTH	
SEM	FIRST	SECOND	FIRST	SECOND	FIRST	SECOND	FIRST	SECOND
COURSES	UHL2400 FUNDAMENTALS OF ENGLISH LANGUAGE	UHL2422 ENGLISH FOR TECHNICAL COMMUNICATION	UHS 1021 Soft Skills 1	UHL2432 ENGLISH FOR PROFESSIONAL COMMUNICATION	NCAT01 Entrepreneurship	UHM 2022 Ethnic Relations	UGE 2002 Technopreneurship	BMA 4924 Final Year Project 2
	UHL2412 ENGLISH FOR ACADEMIC COMMUNICATION	UHR 1012 Islamic and Asia Civilisation	BUM 2313 Numerical Methods	UHF 11*1 Foreign Language Level 1	UHF 21*1 Foreign Language Level 2	BMM 3533 Measurement and Instrumentation System	UHS 2021 Soft Skills 2	BMA 4763 Vehicle Noise & Vibration 3
	UQB 1**1 Co. Curriculum 1	UQ* 2**1 Co.Curriculum 2	BMA 2312 Introduction to Automotive Engineering	BUM 2413 Applied Statistics	BMA 3623 Engine Design	BMM 3563 Finite Element Method	BMA 4603 Integrated Design Project 2	BMA 48*3 Elective 2
	UQB 1**1 Co. Curriculum 1	BUM 2133 Ordinary Differential Equations	BMM 2673 Thermodynamics	BMA 2523 Internal Combustion Engine	BMM 3511 Eng. Themo-fluids Lab	BMM 3553 Mechanical Vibrations	BMA 4723 Vehicle Dynamics	BMA 48*3 Elective 3
	BMM 1313 Computer Programming	BMM 1543 Strength of Materials	BMM 2433 Electrical & Electronics Technology	BMM 2543 Fluids Mechanics 2	BMM 3513 Heat Transfer	BMA 3601 Integrated Design Project 1	BMA 48*3 Elective 1	BMM 4032 Engineer and Society
	BMM1011 Introduction to Engineering	BMM 1553 Dynamics	BMM 2533 Fluids Mechanics 1	BMA2623 Automotive Design & Styling	BMM 3613 Automatic Control	BMM 3633 Industrial Engineering	BMA 4912 Final Year Project 1	
	BMM 1563 Statics	BMM 1511 Eng. Mechanics Lab 1	BMM 2612 Computer Aided Design	BMM 2521 Eng. Mechanics Lab 2	BMM 3643 Manufacturing Processes	BMM 3023 Engineering Management and Safety		
	BMM 1523 Engineering Materials	BMM 1821 Mechanical Laboratory 2						
	BMM 1811 Mechanical Laboratory 1							
TOTAL CREDIT	17	16	17	16	16	18	14	15
	Industrial Training (6 Credit Hour)							
TOTAL CREDIT FOR GRADUATION	129+6 = 135							

ELECTIVE COURSES:

No	Code	Course	Credit Hour
1	BMA4803	Automotive Advance Technology	3
2	BMA4813	Automotive Development Process	3
3	BMA4823	Energy Efficient Vehicle	3
4	BMA4833	Automotive Electric and Electronics	3
5	BMA4843	Alternative Fuel	3
6	BMA4853	Diesel Engine Technology	3
7	BMA4863	Motorsports Engineering	3
8	BMA4873	Heavy Duty Vehicles	3
Total Minimum Credit of Elective Subjects for Graduation			9

Entry Requirement Mechanical Engineering (Automotive):

- Successfully completed General Education Diploma or Equivalent (as per country standards) with the required subjects of:
 - English language
 - Pure Mathematics and Physics
- Fulfilled all requirements set by the UMP's Senate for the Programme mode
- Successfully completed General Foundation Programme from any other recognized Institution/College or University.

General Foundation Programme (GFP)

The GFP is designed to assure sufficient grounding in English and Functional skills i.e. Mathematics, Computer Skills, learning and study methods to enable learners to succeed at the college, as all courses are taught in English. Learners, who successfully complete the General Foundation Programme with satisfactory grades will be granted an entry to advanced programmes. The GFP consists of:

- English - 3 levels
- Mathematics - 3 levels
- Information Technology - 3 levels
- Study Skills