Mechanical Engineering Tree Plan – HU (2015 ~2020)

First Year	Math 101 Calculus 1	Phy 101 General Physics 1	Phy 103 General Physics Lab	DAES 101 Engineering Workshops		Arabic 101 Arabic Language	MS 117 Military Science
	Math 102 Calculus 2	Phy 102 General Physics 2	Chem 107 Basics of General Chemistry	Chem 108 Basics of General Chemistry Lab.	CS 112 Computer Programming	Engl 110 English Language	
Second Year	Math 201 Calculus 3	CE 211 Statics	ME 221 Thermodynamics 1		DAES 201 Manual Engineering Drawing	DAES 203 Ethics and Communication Skills	MS 118 National Education
	Math 203 Ordinary Differential Equations 1	IE 242 Statistics and Probabilities	ME 231 Dynamics	ME 212 Strength of Materials	ME 222 Thermodynamics 2	DAES 202 Computer Aided Engineering Drawing	
Third Year	BME 260 Applied Math	ME 310 Fluid Mechanics 1	ME 303 Numerical analysis	EE 229 Fundamentals of Electrical Circuits	ME 330 Strength of Materials Lab.	IE 352 Properties of Materials	
	ME 324 Heat Transfer 1	ME 313 Fluid Mechanics Lab	ME 302 Engineering Measurements	EE300 Fundamentals of Electrical Circuits Lab.	IE 324 Manufacturing Processes 1	ME xxx Department Elective	UE xxx University Elective
Fourth Year	ME 325 Thermal Sciences Lab.1	ME 440 Theory of Machines	ME 433 Mechanical Vibrations	ME 445 Mechanical Drawing	ME 446 Machine Design 1	ME xxx Department Elective	UE xxx University Elective
	ME 426 Thermal Sciences Lab.2	ME 448 Dynamics of Machinery	ME 434 Control Systems	ME 447 Machine Design 2	IE 325 Manufacturing Processes Lab.	ME xxx Department Elective	UE xxx University Elective
Fifth Year	ME 531 Finite Element Methods for Machine Design	ME 542 Electromechanical Systems	ME 551 Internal Combustion Engines	ME 535 Vibration and Control Lab.	ME 572 Graduation Project 1	ME xxx Department Elective	UE xxx University Elective
	ME 549 Computer Aided Design	ME 561 HVAC		ME 573 Graduation Project 2	ME xxx Department Elective	UE xxx University Elective	