1 st Year	r Engineering	With Minor in Biomedical Engineering			
S1	ENGR101 Foundations of Engineering	EMTH118 Engineering Mathematics 1A	PHYS101 Engineering Physics A	CHEM111 Chemical Principles and Processes	
			0000 434		
S2	ENGR102 Engineering Mechanics	EMTH119 Engineering Mathematics 1B	COSC 131 Introduction to Programmingor Engineers	Recommended Elective BIOL111 Cellular Biology and Biochemistry	

2nd Year Engineering

S1	ENME201 Design Communication	ENME202 Stress, Strain and Deformation in Machine Elements Elements		EMTH210 Engineering Mathematics 2	
S2	ENME203 Dynamics and Vibrations	ENME207 Materials Science and Engineering	ENME221 EMTH271 Engineering Design and Manufacture and Computatio		
ENME199 Workshop Training Course for Mechanical and Mechatronics Engineering					

3rd Year Engineering

S1	ENME301 Engineering Design and Production Quality	ENME303 Controls and Vibrations	ENME307 Performance of Engineering Materials	ENME314 Fluid Mechanics	
S2	ENME302 Computational and Applied Mechanical Analysis	ENME351 (in lieu of ENME311) Biomedical Engineering Design	ENME315 Heat Transfer	ENME313 Electro Technology for Mechanical Engineers	

4th Year Engineering

S1 ENME 408 Honours R&D Project Design with Biomedical Systems Vith Biomedical Topic ENME 418 Engineering Management and Professional Practice for Mechanical Engineers Biomedical Elective from list below (either semester) CONTROLS AND ROBOTICS ENME403 Linear Systems Control and System Identification (S1) ENME403Linear Systems Control and System Identification (S1) Final Year MATERIALS ENGINEERING Final Year ENME403Coustics, Polymeric and Ceramic Materials S2 Final Year ENME403Energy Systems Engineering (**) Final Year						
S2 with Biomedical Topic ENME 418 Engineering Management and Professional Practice for Mechanical Engineers Biomedical Elective from list below (either semester) ELECTIVE CONTROLS AND ROBOTICS ENME40& inear Systems Control and System Identification (S1) ENME40& inear Systems Control and System Identification (S1) ENME40Advanced Materials Science and Engineering (S1) ENME41Adv Composite, Polymeric and Ceramic Materials S2 / DYNAMICS, VIBRATIONS AND ACOUSTICS ENME40Acoustics and Vibrations (**) ENME40Acoustics and Vibrations (**)	S1		Mechanical Systems Design with Biomedical		ELECTIVE	
ENME403Linear Systems Control and System Identification (S1) ENMT482Robotics (S2) MATERIALS ENGINEERING ENME407Advanced Materials Science and Engineering (S1) ENME417Adv Composite, Polymeric and Ceramic Materials S2 ENME407Engression (**) ENME407Engression (**)	S2		Engineering Management and Professional Practice	list below (either	ELECTIVE	
THERMOFLUID ENERGY ENGR40 Computational Fluid Mechanics (S1) ENME46 HVAC Engineering (S1) ENME40 Areo and Ground Vehicle Dynamics (S2) ENME46 Propulsion (S2) ENME40 Engineering (S1) ENME40 Engineering (S1) ENME40 Engineering (S1) ENME40 Engineering (S1) ENME40 Engineering (S2) ENME40 Engineering (S2) ENME41 Advanced Mech System Design (S2)	THERMOFLE ENME40 ENME40 ENME40 ENME40 ENME40 ENME40 A	ME403.inear Systems Control MT482Robotics (S2) MALS ENGINEERING O'Advanced Materials Science 17Adv Composite, Polymeric O'Energy Systems Engineerir ULUIDENERGY omputational Fluid Mechanics IVAC Engineering (S1) tero and Ground Vehicle Dyna	ce and Engineering (S1) and Ceramic Materials S2 ng (**) cs (S1) bamics (S2) ENME492ndustry ENME40€ng Pro	Final Year Electives	ENME402Acoustics and Vibrations ENME412Advanced Vibrations MINOR IN BIOMEDI ENME423nstrumenta MDPH406Medical Im ENME453Biomechan	tions (**) s (S1) CAL ENGINEERING ation & Sensors (S1) naging (S2)