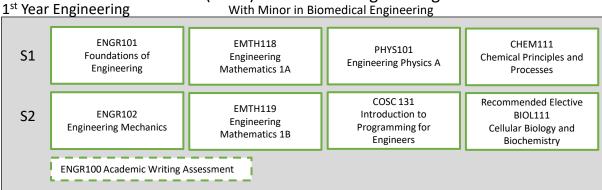
## BE(Hons) Mechanical Engineering - 2024 With Minor in Biomedical Engineering



## 2<sup>nd</sup> Year Engineering

S1	ENME201 Design Communication	ENME202 Stress, Strain and Deformation in Machine Elements	ENME215 Engineering Thermodynamics	EMTH210 Engineering Mathematics 2				
S2	ENME203 Dynamics and Vibrations	ENME207 Materials Science and Engineering	ENME221 Engineering Design and Manufacture	EMTH271 Mathematical Modelling and Computation 2				
ENME199 Workshop Training Course for Mechanical and Mechatronics Engineering								

## 3<sup>rd</sup> 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

## 4<sup>th</sup> Year Engineering

S1	ENME 408 Honours R&D Project with Biomedical Topic	ENME 401 Mechanical Systems Design with Biomedical Focus	MDPH401 Anatomy and Physiology	ELECTIVE				
S2		ENME 418 Engineering Management and Professional Practice for Mechanical Engineers	Biomedical Elective from list below (either semester)	ELECTIVE				
CONTROLS AND ROBOTICS ENME403 Linear Systems Control and System Identification (S1) ENME432 Robotics (S2) MATERIALS ENGINEERING ENME407 Advanced Materials Science and Engineering (S1) ENME407 Advanced Materials Science and Engineering (S1) ENME407 Advanced Materials Science and Engineering (S1) ENME405 Energy Systems Engineering (**) THERMO-FLUIDS-ENERGY ENGR401 Computational Fluid Mechanics (S1) ENME405 HVAC Engineering								
	offered in 2024	U U	duct Design & Analysis (S2) ed Mech System Design (S2)					