

## B. Tech MECHANICAL ENGINEERING ROAD MAP of 2021 – 2025

1 - 1	MA101BS Mathematics - I	PH103BS Engineering Physics	CS103ES Programming for Problem Solving	ME104ES Engineering Graphics	PH106BS Engineering Physics Lab	CS106ES Programming for Problem Solving Lab	MC107ES Environmental Science	MC108 Business English				
1 - 2	MA201BS Mathematics – II	CH202BS Engineering Chemistry	ME203ES Engineering Mechanics	ME205ES Engineering Workshop	EN205HS English	CH206BS Engineering Chemistry Lab	EN207HS English Language and Communication Skills Lab	MC209 Python Programming	MC210 Aptitude & Reasoning			
2 - 1	MA301BS Probability and Statistics & Complex Variables	ME302PC Mechanics of Solids	ME303PC Material Science and Metallurgy	ME304PC Production Technology	ME305PC Thermodynamics	ME306PC Production Technology Lab	ME307PC Machine Drawing Practice	ME308PC Material Science and Mechanics of Solids Lab	MC309HS Constitution of India	MC310ME Auto CAD		
2 - 2	EE401ES Principles of Electrical and Electronics Engineering	ME402PC Kinematics of Machinery	ME403PC Thermal Engineering – I	ME404PC Fluid Mechanics and Hydraulic Machines	SM405MS Business Economics & Financial Analysis	ME406PC Fluid Mechanics and Hydraulic Machines Lab	ME407PC Thermal Engineering Lab	EE409ES Principles of Electrical and Electronics Engineering Lab	MC409HS Gender Sensitization Lab	MC410ME CREO		
3 - 1	ME501PC Dynamics of Machinery	ME502PC Design of Machine Members-I	ME503PC Metrology & Machine Tools	ME504PC Instrumentation and Control Systems	ME505PC Thermal Engineering-II	ME506PC Operations Research	ME507PC Instrumentation and Control Systems Lab	ME508PC Metrology & Machine Tools Lab	ME509PC Kinematics & Dynamics Lab	MC509 Intellectual Property Rights	MC510ME Analysis Lab	MC511EC Cyber Security

3 - 2	ME601PC Design of Machine Members-II	ME602PC Heat Transfer	ME603PC CAD & CAM	ME604PC Finite Element Methods	Professional Elective – I	Open Elective – I	ME605PC Heat Transfer Lab	ME606PC CAD & CAM Lab	EN608HS Advanced English Communication Skills lab	MC107ES Environmental Science	MC108 Business English	MC611EC Artificial Intelligence
4 - 1	ME701PC Refrigeration & Air Conditioning	Professional Elective – II	Professional Elective – III	Professional Elective – IV	Open Elective – II	ME703PC Industrial Oriented Mini Project/ Summer Internship	ME705PC Seminar	ME706PC Project Stage - I				
4 - 2	Professional Elective – V	Professional Elective - VI	Open Elective - III	ME801PC Project Stage - II								