

B. Tech MECHANICAL ENGINEERING ROAD MAP of 2020 – 2024

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| 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 |

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| 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 | | | | | | | | |