

Programs	Institutes
All Master of Technology (M. Tech) Programs	Manipal Institute of Technology (MIT), Manipal
All Master of Technology (M. Tech) Programs	Manipal Institute of Technology (MIT), Bengaluru
All Master of Engineering (M.E) Programs	Manipal School of Information Sciences (MSIS), Manipal

Manipal Entrance Test (MET) 2025 Details

- Test Duration: **90** minutes
- Based on the qualifying degree, the candidate is expected to **select any ONE of the 8 Test disciplines** listed below, during Day / Slot booking in the Online Test booking system (OTBS).
 - Once test discipline is selected during test slot booking, **NO** request for change of discipline will be considered under any circumstances
 - [Click here](#) for the Eligibility requirements for M. Tech & M.E programs
- Total Questions: **60** questions comprising of Chosen Discipline (**50** questions) & Engg Mathematics (**10** questions)
- Max marks: **240**
- Marking Scheme: + 4 awarded for correct answer, - 1 deducted for wrong answer, 0 for every unattempted question
- No. of Attempts: 1
- Schedule & Mode: Refer www.manipal.edu/met for updates
- Candidates possessing valid GATE score will be given 10 % additional marks to the MET 2025 score and then ranked in the merit list.
 - Weightage will be given to candidates who have qualified GATE Exam with Cutoff marks applicable for the **general category**
 - Additional marks will NOT be awarded if GATE score card is not uploaded before the last date of applications
- There will be two ranks allotted
 - General Rank based on the overall test score
 - Stream Rank based on the overall score amongst the chosen test discipline.

Note: The counseling process will be as per the general rank only

Common MET 2025 Syllabus for M. Tech & M.E programs

Test Discipline: Biotechnology (BT)

Process calculations, Thermodynamics, Transport Processes, Chemical and Biochemical reaction Engineering, Bioprocess Engineering, Biochemistry, Microbiology, Bioinformatics, Animal and Plant Biotechnology, Molecular Biology, Genetic Engineering, Immunotechnology, Downstream Processing

Engineering Mathematics: Linear Algebra, Differential Equations, Probability and Statistics, Numerical Methods

Test Discipline: Chemical (CH)

Process Calculations and Thermodynamics, Fluid Mechanics and Mechanical Operations, Heat Transfer, Mass Transfer, Chemical Reaction Engineering, Instrumentation and Process Control, Plant Design and Economics, Chemical Technology, Material of Construction and Corrosion, Energy Engineering, Pollution Control and Safety.

Engineering Mathematics: Linear Algebra, Differential Equations, Probability & Statistics, Numerical Methods, Transform Theory

Test Discipline: Civil (CV)

Engineering Mechanics, Strength of Materials, Design of Steel and Concrete Structures, Structural Analysis, Geotechnical Engineering, Foundation Engineering, Surveying, Transportation Engineering, Construction Planning - Organization and Management, Environmental Engineering, Fluid Mechanics, Water Resources Engineering, Concrete Technology, Engineering Materials, Estimations and Specification.

Engineering Mathematics: Linear Algebra, Calculus, Differential Equations, Probability & Statistics, Numerical Methods

Test Discipline: Computer Science (CS)

Programming Languages, Data Structure, Logic Design & Circuits, Computer Organization & Architecture, Operating Systems, Database Systems, Computer Networks, Design and Analysis of algorithms, Software Engineering.

Engineering Mathematics: Probability & Statistics, Numerical Methods, Combinatorics, Graph Theory, Mathematic & Predicate Logic

Test Discipline: Electrical Engineering (EE)

Electrical Circuit Analysis, Electrical Machinery, Electromagnetic Field Theory, Generation, Transmission, Distribution, Power System Analysis, Stability, Protection, Power Electronics & Drives, Analog & Digital Electronic Circuits, Signals & systems, Digital Signal Processing, Electrical & Electronic Measurements & Instrumentation, Control systems and Microcontrollers.

Engineering Mathematics: Linear Algebra, Differential Equations, Probability & Statistics, Numerical Methods, Transform Theory

Test Discipline: Electronics & Communication (EC)

Electric Circuit Analysis, Analog Devices & Circuits, Digital VLSI design, Digital Logic design, Verilog HDL, Electromagnetic Waves, Analog Communication, Digital Communication, Antennas & Propagation, Microprocessor & Microcontrollers (16 / 32-bit family), Signal Processing, Linear and Digital Control System.

Engineering Mathematics: Linear Algebra, Complex Variables, Probability & Statistics, Numerical Methods, Transform Theory

Test Discipline: Instrumentation & Control (IC)

Network Analysis & Signals, Electronics Measurements, Transducers & Instrumentation, Linear, Modern, Nonlinear Control Theory, Signal Processing, Microcontrollers (ARM and 8051), Analog & Digital Electronics Circuits & System Design, Biomedical Equipment & Instruments, Control System Components, Process Control & Automation

Engineering Mathematics: Linear algebra, differential equations, probability and statistics, Numerical methods, Transform methods

Test Discipline: Mechanical Engineering (ME)

Engineering Mechanics, Strength of Materials, Design of Machine Elements, Basics of Manufacturing Science, Measurement & Metrology, Theory of Machines, Mechanical Vibrations, Thermodynamics & Heat Transfer, Fluid Mechanics & Machines, Material Science & Metallurgy.

Engineering Mathematics: Linear Algebra, Calculus, Differential Equations, Probability & Statistics, Numerical Methods

Eligibility Requirements for Master of Technology (MTech) and Master of Engineering (ME) Programs

- Pass in BE / B. Tech in a relevant branch from a recognized University, with minimum 50 % aggregate marks or equivalent
- The Bachelor's program eligibility & Choice of MET Question Paper (QP), for the MTech / ME programs are as follows

Master of Technology (M. Tech) Program Eligibility		Choice of MET 2025 Test Discipline
Chemical Stream (2)		
M.Tech in Biotechnology (Industrial Biotechnology) BE / B. Tech in Biotechnology / Biochemical Engineering / Biomedical Engineering / Bioprocess Engineering / Bioinformatics / Chemical Engineering / Food Technology / Food Process Engineering/ Pharmaceutical Technology, or equivalent	BT / CH	
M.Tech in Chemical Engineering BE / B. Tech degree or equivalent in Chemical Engineering, Biotechnology, Biotechnology and Biochemical Engineering, Biochemical Engineering, Bioprocess Engineering, Chemical Technology, Petroleum Engineering, Petroleum Refining Engineering, Petrochemical Engineering, Pharmaceutical Technology, Food and Process Engineering, Polymer Technology, Electrochemical Engineering		
Civil Stream (3)		
M.Tech in Civil Engineering (Construction Engineering and Management) BE / B. Tech in Architecture / Civil Engineering, or equivalent	CV	
M.Tech in Civil Engineering (Environmental Engineering) BE / B. Tech in Biochemical Engineering / Biotechnology / Civil / Chemical Engineering / Ceramic Technology / Environmental / Mechanical / Metallurgy / Mining, or equivalent	BT / CH / CV / ME	
M.Tech in Civil Engineering (Structural Engineering) BE / B. Tech in Civil Engineering, or equivalent	CV	
Computer Stream (6)		
M.Tech in Computer Science and Engineering BE / B. Tech in Computer Science & Engineering / CSE Artificial Intelligence and Machine Learning/ Computer & Communication Engineering / CSE Cyber Security / Data Science & Engineering / Information Technology / Electronics and Computer Engineering/ Electronics and Communication Engineering / Electronics and Telecommunication Engineering, or equivalent programs recognized by AICTE	CS / EC	
M.Tech in Computer Science and Engineering (Information Security) BE / B. Tech in Computer Science & Engineering / CSE Artificial Intelligence & Machine Learning/ Computer & Communication Engineering / CSE Cyber Security / Data Science & Engineering / Information Technology/ Electronics and Computer Engineering / Electronics and Communication Engineering / Electronics and Telecommunication Engineering / Information Technology, or equivalent programs recognized by AICTE		
M.Tech in Computer Science and Engineering (Networks) BE / B. Tech in Artificial Intelligence & Machine Learning / Biomedical Engineering / Computer Science & Engineering / Computer & Communication Engineering / Cyber Security / Data Science & Engineering / Electrical & Electronics Engineering / Electronics & Communication Engineering / Information Technology / Instrumentation Engineering, or equivalent	CS / EC / EE / IC	
M.Tech in Computer Science and Engineering (Data Sciences) BE / B. Tech in Biomedical Engineering / Computer Science & Engineering/ Computer & Communication Engineering / Cyber Security / Electrical & Electronics Engineering / Electronics & Communication Engineering / Information Technology / Instrumentation Engineering / Mechatronics Engineering, or equivalent, Master of Computer Applications	CS / EC / EE	
M.Tech in Computer Science and Engineering (Artificial Intelligence and Decision Science) BE / B. Tech in Artificial Intelligence & Machine Learning / Biomedical Engineering / Computer Science & Engineering / Computer & Communication Engineering / Cyber Security / Data Science & Engineering / Electrical & Electronics Engineering / Electronics & Communication Engineering / Information Technology / Instrumentation Engineering, or equivalent	CS / EE / EC / IC	

Master of Technology (M. Tech) Program Eligibility	Choice of MET 2025 Test Discipline
M.Tech in Computer Science and Engineering (Cyber Security) B.Tech / BE in Computer Science & Engineering / Information Technology / Computer & Communication Engineering / Data Science & Engineering / Artificial Intelligence and Machine Learning / Cyber Security / Computer Science and Financial Technology / Mathematics and Computing B.Tech / BE in any other core branch with 2 years of Industry experience in IT field.	CS / EE / EC / IC
Electrical Stream (9)	
M.Tech in Biomedical Engineering B. Tech / BE in Biomedical Engineering, Biomedical Instrumentation, Biochemical & Biotechnology, Bioengineering, Medical Electronics, Pharmaceutical Technology, Medical Instrumentation, Electrical & Mechanical Engineering, Electrical & Electronics Engineering, Biotechnology & Biochemical Engineering, Biosciences & Bioengineering, Biotech Engineering, Biological Sciences & Bioengineering, Electrical and Computer Engineering, Electronics & Instrumentation Engineering, Electronics & Communication Engineering, Instrumentation Engineering	BT / CH / CS / EC / EE / IC / ME
M.Tech in Electronics Engineering (Embedded Control and Automation) BE / B. Tech in Applied Electronics & Instrumentation Engineering / equivalent in Electronics Engineering, Electrical Engineering, Mechatronics, Cyber Physical System, Instrumentation and Control, Instrumentation Technology and equivalent stream programs	EC / EE / IC
M.Tech in Electronics Engineering (Digital Electronics and Communication) BE / B. Tech in Electrical & Electronics Engineering / Electronics & Communication Engineering / Electronics & Telecommunication Engineering, / Telecommunication Engineering / Electronics and Computer Engineering / Instrumentation & Control / Electronics and Instrumentation Engineering / Computer and Communication Engineering, Applied Electronics and Communication Engineering or equivalent.	EC / EE / IC
M.Tech in Electrical Engineering (Electric Vehicle Technology) BE / B. Tech in Automobile Engineering / Electrical & Electronics Engineering / Electronics & Communication Engineering / Industrial Production Engineering / Instrumentation & Control Engineering / Manufacturing Engineering / Mechanical Engineering / Mechatronics Engineering, or equivalent	EC / EE / IC / ME
M.Tech in Biomedical Engineering (Medical Informatics) B. Tech/BE in: Biomedical Engineering, Biomedical Instrumentation, Biochemical & Biotechnology, Bioengineering, Medical Electronics, Computer Science & Engineering, Information Technology, Medical Instrumentation, Bio-Informatics, Electrical & Electronics Engineering, Biotechnology & Biochemical Engineering, Biosciences & Bioengineering, Biochemical Engineering, Biotech Engineering, Bio-Technology & Informatics, Industrial Bio-Technology, Instrumentation & Control Engineering, Biological Sciences & Bioengineering, Electrical and Computer Engineering, Applied Electronics & Instrumentation Engineering, Electronics & Instrumentation Engineering, Electronics & Communication Engineering, Instrumentation Engineering	BT / CS / EC / EE
M.Tech in Electronics Engineering (Immersive Technologies) BE / B. Tech in any branch of Engineering	EE / EC / IC / ME / CS / BT / CH / CV
M.Tech in Electronics Engineering (VLSI Design) BE / BTech in Electronics or a related discipline from a recognized university, with a minimum aggregate of 50% marks. Weightage will be given to candidates who have qualified GATE.	
M.Tech in Electronics Engineering (Microelectronics) BE/B. Tech in Electrical & Electronics / Electronics & Communication / Electronics & Telecommunication / Instrumentation & Control / Electronics and Instrumentation Engineering, Applied Electronics Engineering, Electronics and Computer Engineering or equivalent.	EC / EE / IC
M.Tech in Electrical Engineering (Power Electronics and Drives) BE / B. Tech in Electrical & Electronics Engineering / Electronics & Communication Engineering / Electronics & Instrumentation Engineering, or equivalent	

Management (1)	
M.Tech in Engineering Management BE / B. Tech in any branch of Engineering	BT / CH / CS / CV / EC / EE / IC / ME
Mechanical (8)	
M.Tech in Mechanical Engineering (Computational Fluid Dynamics) BE / B.Tech in Aeronautical Engineering / Automobile Engineering / Automotive Technology / Chemical Engineering / Civil Engineering / Industrial Production Engineering / Manufacturing Engineering / Mechanical Engineering / Mechatronics Engineering, or equivalent	CH / CV / ME
M.Tech in Automobile Engineering BE / B.Tech in Automobile Engineering / Automobile Maintenance Engineering / Automotive Technology / Industrial Engineering / Industrial Production Engineering / Manufacturing Engineering / Material Science & Technology / Mechanical Engineering / Mechanical & Smart Manufacturing / Mechatronics Engineering / Tool Engineering, or equivalent	ME
M.Tech in Aeronautical Engineering (Avionics) BE / B. Tech in Aeronautical Engineering / Aerospace Engineering / Applied Electronics & Instrumentation / Avionics / Computer Science & Engineering / Computer & Communication Engineering / Electrical & Electronics Engineering / Electronics & Communication Engineering / Electronics & Instrumentation Engineering / Instrumentation Engineering / Instrumentation & Control Engineering / Mechanical Engineering / Mechatronics Engineering, or equivalent	CS / EC / EE / IC / ME
M.Tech in Mechanical Engineering (Computer Aided Analysis and Design) BE / B. Tech in Aeronautical Engineering stream / Automobile Engineering / Industrial Engineering / Marine Engineering / Mechanical Engineering / Mechatronics Engineering / Material and Metallurgy / Tool Engineering, or equivalent	ME
M.Tech in Defence Technology BE / B. Tech in Aerospace Engineering / Aeronautical Engineering / Applied Electronics & Communication Engineering / Applied Electronics & Instrumentation Engineering / Avionics / Chemical Engineering / Computer Science & Engineering / Computer & Communication Engineering / Computer Networking / Electrical & Computer Engineering / Electrical & Electronics Engineering / Electrical and Instrumentation Engineering / Electronics & Communication Engineering / Electronics and Computer Engineering / Instrumentation Engineering / Instrumentation & Control Engineering / Marine Engineering / Marine Technology / Mechanical Engineering / Mechatronics Engineering / Metallurgical & Materials Engineering / Military Engineering / Optics and Opto-Electronics / Radio, Physics & Electronics / Software Engineering / Structural Engineering, or equivalent	CH / CS / CV / EC / EE / IC / ME
M.Tech in Industrial Automation and Robotics BE / B Tech in Aeronautical Engineering / Automobile Engineering / Electrical & Electronics Engineering / Electronics & Communication Engineering / Telecommunication Engineering/ Industrial & Production Engineering / Instrumentation & Control Engineering / Electrical and Instrumentation Engineering/ Cyber Physical Systems (CPS)/ Mechanical Engineering / Mechatronics Engineering, or equivalent	EC / EE / IC / ME
M.Tech in Mechanical Engineering (Manufacturing Technology and Automation) BE / B Tech in Aeronautical Engineering / Automobile Engineering / Industrial Engineering / Manufacturing Engineering / Marine Engineering / Material and Metallurgy / Mechanical Engineering / Mechatronics Engineering / Tool Engineering, or equivalent	ME
M.Tech in Mechanical Engineering (Thermal Sciences and Energy Systems) BE / B Tech in Aeronautical Engineering / Automobile Engineering / Industrial Engineering / Marine Engineering / Material and Metallurgy / Mechanical Engineering / Mechatronics Engineering, / Tool Engineering, or equivalent	

Master of Engineering (ME) Program Eligibility	Choice of MET 2025 Test Discipline
<p>M.E in Computer Science and Engineering (Artificial Intelligence and Machine Learning)</p> <p>Candidate with BE / BTech in Electrical or Circuit Stream or Computer Science Stream or equivalent with a minimum of 50% pass from a recognized university.</p> <p>Candidate with BE/BTech in other stream with a minimum of 50% pass from a recognized university. A programming skills test will be conducted at the Institute to select the candidate in this category. Admission to this category is based on the availability of seats. An optional bridge course will be conducted.</p>	<p>CS / EC / EE / IC</p> <p>(BT / CH / CV / ME)*</p> <p>Refer Note</p>
<p>M.E in Computer Science and Engineering (Big Data Analytics)</p> <p>Candidate with BE / BTech in Electrical or Circuit Stream or Computer Science Stream or equivalent with a minimum of 50% pass from a recognized university.</p> <p>Candidate with BE/BTech in other stream with a minimum of 50% pass from a recognized university. A programming skills test will be conducted at the Institute to select the candidate in this category. Admission to this category is based on the availability of seats. An optional bridge course will be conducted.</p>	<p>CS / EC / EE / IC/</p> <p>(BT / CH / CV / ME)*</p> <p>Refer Note</p>
<p>M.E in Computer Science and Engineering (Cloud Computing)</p> <p>Candidate with BE / BTech in Electrical or Circuit Stream or Computer Science Stream or equivalent with a minimum of 50% pass from a recognized university.</p> <p>Candidate with BE/BTech in other stream with a minimum of 50% pass from a recognized university. A programming skills test will be conducted at the Institute to select the candidate in this category. Admission to this category is based on the availability of seats. An optional bridge course will be conducted.</p>	<p>CS / EC / EE / IC</p> <p>(BT / CH / CV / ME)*</p> <p>Refer Note</p>
<p>M.E in Computer Science and Engineering (Cyber Security)</p> <p>Candidate with BE / BTech in Electrical or Circuit Stream or Computer Science Stream or equivalent with a minimum of 50% pass from a recognized university.</p> <p>Candidate with BE/BTech in other stream with a minimum of 50% pass from a recognized university. A programming skills test will be conducted at the Institute to select the candidate in this category. Admission to this category is based on the availability of seats. An optional bridge course will be conducted.</p>	<p>CS / EC / EE / IC</p> <p>(BT / CH / CV / ME)*</p> <p>Refer Note</p>
<p>M.E in Computer Science and Engineering*</p> <p>Candidate with BE / BTech in Computer Science Stream or Electrical or Circuit Stream or equivalent with a minimum of 50% pass from a recognized university.</p> <p>* Note: awaiting for the AICTE approval</p>	
<p>M.E in Computer Science and Engineering (Embedded Systems)</p> <p>Candidate with BE / BTech in Computer Science Stream or Electrical or Circuit Stream or equivalent with a minimum of 50% pass from a recognized university.</p> <p>M.E in Computer Science and Engineering (Automotive Embedded Systems)</p> <p>Dual Degree Program with ESIGELEC, France*</p> <p>Candidate with BE / BTech in Computer Science Stream or Electrical or Circuit Stream or equivalent with a minimum of 50% pass from a recognized university.</p>	<p>CS / EC / EE / IC</p>

* **Note:** awaiting for the AICTE approval

M.E in Electronics and Communication (Micro Electronics and VLSI Technology)

BE / B. Tech in Electrical or Circuit Stream or Computer Science Stream or equivalent with a minimum of 50% pass from a recognized university.

M.E in Electronics and Communication (VLSI Design)

BE / B. Tech in Electrical or Circuit Stream or Computer Science Stream or equivalent with a minimum of 50% pass from a recognized university.

Note:

If you are pursuing / completed your Bachelor's Degree with a specialization other than those listed above, please email admissions@manipal.edu with your B. Tech syllabus contents for us to check for your eligibility for the M. Tech / M.E program that you are interested in.

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