

M.Tech Programme in Materials Science & Engineering

Programme Description

Materials are at the root of man's progress in the modern world. Advances in technology today are limited by the availability of newer materials with desired properties and their processing. The development of newer materials and technologies requires a thorough study of existing materials and tailor-making of new functional materials. Such a task, however, requires an integrated approach to the subject using established principles of Materials Science and engineering. Keeping this objective in view and to provide focus and coordination for teaching, research and development, an Interdisciplinary Programme in Materials Science & Engineering is offered by Materials Research Centre at MNIT Jaipur.

Programme Objectives & Intake

Programme will be an interdisciplinary program in Material Science & Engineering. The programme is open to GATE/NET qualified students with a Master's Degree in Sciences or Bachelors' Degree in a specified field of Engineering. The program will lead to a Master's degree (M. Tech) in Materials Science and Engineering.

Who Can Apply?

Students who have qualified GATE from Science group (G1) and Engineering group (G2) are eligible to apply for admission to the programme.

G1

1	Chemistry (S508)	CY
2	Applied Science (S504)	PH, CY, MA
3	Any of the Disciplines in M.Sc. Degree (S599)	PH

G2

1	Applied Electronics and Instrumentation Engineering (T104)	EC
2	Ceramic Engineering(T116)	CH, XE
3	Chemical Engineering(T117)	CH
4	Electrical and Electronics Engineering (T129)	EC, EE
5	Electrical and Instrumentation Engineering(T130)	EC, EE
6	Electrical Engineering(T131)	EE
7	Electronics and Communication Engineering(T135)	EC
8	Electronics and Instrumentation Engineering(T136)	EC
9	Electronics Engineering(T138)	EC
10	Engineering Physics(T141)	PH, XE
11	Instrumentation and Control Engineering(T150)	EC, XE, IN

12	Instrumentation Engineering(T151)	EC, XE, IN
13	Manufacturing Engineering(T155)	ME
14	Materials Science and Engineering(T157)	MT, XE
15	Mechanical Engineering(T158)	ME
16	Metallurgical and Materials Engineering(T160)	MT, XE
17	Metallurgical Engineering(T162)	MT
18	Metallurgical Engineering and Materials Science(T163)	MT, XE
19	Nanotechnology (T168)	PH, XE
20	Polymer Science and Technology(T173)	CH, CY, XE
21	Production Engineering(T177)	ME, XE, PI
22	Ceramic Technology(T204)	MT, XE
23	Chemical Technology(T207)	CH, XE
24	Electronics and Avionics(T232)	EC
25	Electronics and Electrical Engineering(T236)	EC
26	Electronics Science and Engineering(T243)	EC
27	Instrument Technology(T269)	EC, XE, IN
28	Materials Science and Metallurgical Engineering(T277)	MT
29	Materials and Metallurgical Engineering(T278)	MT
30	Polymer Engineering and Technology(T310)	CH, XE
31	Chemical and Bio Engineering(T334)	CH, XE
32	Manufacturing Technology(T355)	ME
33	Metallurgy and Materials Technology(T360)	MT
34	Optics and Optoelectronics (T364)	EC, PH
35	Polymer Engineering (T377)	CH, XE
36	Metallurgy and Materials (T386)	MT
37	Applied Electronics and Instruments (T389)	EC, IN

38	Instrumentation (T390)	IN
39	Instrumentation and Electronics Engineering (T 392)	EC, IN
40	Electrical and Electronics (T393)	EC, EE