

M. Tech. in Semiconductor Materials and Devices

The Materials Research Centre, Malaviya National Institute of Technology Jaipur offers an industry-oriented M.Tech. program in Semiconductor Materials and Devices designed to prepare students for the rapidly growing semiconductor sector. The program integrates semiconductor materials, device physics, thin film technology, micro/nano-fabrication, characterization, and reliability engineering with strong emphasis on hands-on training and research. With advanced research facilities, industry collaborations, internship opportunities, and a thesis-based learning approach, students will gain expertise in cutting-edge semiconductor technologies. Graduates will have careers in semiconductor manufacturing, R&D, device design, testing, and higher studies in premier research organizations and industries.

Admission Procedure

Materials Research Centre invites bright candidates to pursue M.Tech. degree in Semiconductor Materials and Devices. Admissions to the M. Tech Programme in the Institute are based on the GATE examination and through the counseling conducted by the Centralized Counseling for M. Tech. / M. Arch. / M. Plan (CCMT)

Eligibility Criteria

The programme is open to GATE qualified students with Master's Degree in Sciences or Bachelors' Degree in specified field of Engineering. Students who have qualified GATE from G1- Table are eligible to apply for admission to the programme.

Group	Qualifying Degree	GATE paper
G1	T999- B.E./ B. Tech. in any of the disciplines in B.E./ B. Tech. degree	Biomedical Engineering- (BM)
G1	T999- B.E./ B. Tech. in any of the disciplines in B.E./ B. Tech. degree	Biotechnology- (BT)
G1	T999- B.E./ B. Tech. in any of the disciplines in B.E./ B. Tech. degree	Chemical Engineering- (CH)
G1	T999- B.E./ B. Tech. in any of the disciplines in B.E./ B. Tech. degree	Electronics and Communication Engineering- (EC)
G1	T999- B.E./ B. Tech. in any of the disciplines in B.E./ B. Tech. degree	Electrical Engineering- (EE)

G1	T999- B.E./ B. Tech. in any of the disciplines in B.E./ B. Tech. degree	Mining Engineering- (MN)
G1	T999- B.E./ B. Tech. in any of the disciplines in B.E./ B. Tech. degree	Mechanical Engineering – (ME)
G1	T999- B.E./ B. Tech. in any of the disciplines in B.E./ B. Tech. degree	Metallurgical Engineering- (MT)
G1	T999- B.E./ B. Tech. in any of the disciplines in B.E./ B. Tech. degree	Production and Industrial Engineering- (PI)
G1	T999- B.E./ B. Tech. in any of the disciplines in B.E./ B. Tech. degree	Engineering Sciences- (XE)
G1	T999- B.E./ B. Tech. in any of the disciplines in B.E./ B. Tech. degree	Instrumentation Engineering- (IN)
G1	S599- M. Sc. in any of the disciplines in M. Sc. degree	Chemistry- (CY)
G1	S599- M. Sc. in any of the disciplines in M. Sc. degree	Electronics and Communication Engineering- (EC)
G1	S599- M. Sc. in any of the disciplines in M. Sc. degree	Engineering Sciences- (XE)
G1	S599- M. Sc. in any of the disciplines in M. Sc. degree	Physics- (PH)