



Centre for Nanoscience and Nanotechnology (CNN) Jamia Millia Islamia (A Central University) New Delhi-110025

NAAC A++ | NIRF Ranked 4th – University Category | NIRF Ranked 3rd – SDG Category

M. Tech. Materials Science and Technology Specializing in Semiconductor Technology and Energy Materials



Program Overview and Eligibility

Duration

2 Years (4 Semesters)

Specializations

Semiconductor Technology and **Energy Materials**

Category of Program

Regular

Fee

₹ 21,375 per year

Eligibility

B.Tech. in Electrical, Electronics and Communication, Mechanical, Computer Science and allied Engineering subjects

B.Sc. Four-year degree in Physics, Chemistry, Material Science and allied subjects

M.Sc. in Physics, Chemistry, Material Science and allied subjects

with not less than 50% marks or equivalent CGPA



Infrastructure and Research Facilities at CNN JMI

- Class 1000 & Class 10000 Cleanroom Facilities
- Advanced Thin-Film Deposition Systems (Sputtering & CVD)
- High-Resolution Electron Microscopy (FE-SEM, HR-TEM)
- Structural & Spectroscopic Analysis (XRD, Raman, FTIR)
- Nanoscale Surface Characterization (AFM)
- Semiconductor & MEMS/NEMS Device Fabrication Setup
- Energy Materials & Photovoltaic Research Infrastructure
- Integrated Material Synthesis to Device Evaluation Ecosystem



Career Prospects

- Semiconductor & Chip Fabrication Engineer
- Cleanroom & Thin-Film Process Engineer
- Solar, Battery & Energy Storage Specialist
- Hydrogen & Green Energy Research Scientist
- Materials Characterization & R&D Professional
- Ph.D. & Academic Career Opportunities

Dates to Remember

Online Application Submission

Feb 20 – March 25, 2026

Entrance Test

May 11, 2026

(03:00 P.M. to 04:30 P.M.)



For more information
Scan the QR Code or visit
<https://admission.jmi.ac.in>

Apply Now



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