

6. M.Sc. PROGRAMS

Thapar Institute of Engineering & Technology offers following M.Sc. programs of 2-years duration (4 Semesters):

- i. M.Sc. (Bio-Technology)
- ii. M.Sc. (Chemistry)
- iii. M.Sc. (Bio-Chemistry)
- iv. M.Sc. (Mathematics and Computing)
- v. M.Sc. (Physics)
- vi. M.Sc. (Environmental Sciences)

6.1 M.Sc. (BIO-TECHNOLOGY)

Eligibility: Candidates with bachelor's degree with minimum of 60% (55% for SC/ST) marks in graduation from recognized University under 10+2+3 pattern of education in Physical, Biological, Agricultural, Veterinary, and Fishery Sciences, Pharmacy, Engineering Technology, 4-Years BS (Physician Assistant) Course, Medicine (MBBS) or BDS.

6.2 M.Sc. (CHEMISTRY)

Eligibility: Recognised Bachelor's degree in Science of minimum 3-years duration (10+2+3 year's pattern) with 60% (55% for SC/ST) marks in aggregate and **Chemistry as one of the subject at the graduation level.**

6.3 M.Sc. (BIO-CHEMISTRY)

Eligibility: Recognized bachelor's degree with minimum of 60% (55% for SC/ST) marks in graduation under 10+2+3 pattern of education in Chemistry or Biochemistry or Genetics or Bioinformatics or Biophysics or Biotechnology or Molecular Biology. In addition to that candidates having degree in MBBS, BDS, BAMS, BHMS, B. Pharm, B. Tech (Biotech) shall also be eligible for admission in MSc Biochemistry programme.

6.4 M.Sc. (MATHEMATICS AND COMPUTING)

Eligibility: Recognised Bachelors degree of minimum 3-years duration with 60% (55% for SC/ST) marks in aggregate and **Mathematics as one of the subject at the graduation level.**

6.5 M.Sc. (PHYSICS)

Eligibility: Recognised Bachelor's degree in Science of minimum 3-years duration with 60% (55% for SC/ST) marks in aggregate and **Physics as one of the subject at the graduation level.** The program shall have following three specializations:

- i. Nuclear Science and Technology
- ii. Modern Electronics
- iii. Materials Technology

6.6 M.Sc. (Environmental Science)

Eligibility: Recognised Bachelor's degree in Science of minimum 3-years duration with 60% (55% for SC/ST) marks in aggregate in Life Sciences, Chemistry, Biochemistry, Biotechnology and Biophysics.

6.7 No. of seats in each M.Sc. program: 40 (Gen-28, SC/ST-10, PH-2) + (6 FN/NRI seats. Refer section 10 for eligibility & other conditions); 20 (in case of M.Sc. Environmental Sciences)

6.8 Mode of Selection: Admissions in all the M.Sc. programs shall be made on the basis of merit prepared by giving 40% weightage to 12th marks and 60% weightage to Graduation marks (aggregate marks upto pre-final year). Overall minimum 60% (55% for SC/ST) in graduation shall be required to be eligible for admission. Graduation must be done from a recognized University.

Candidate must attach mark sheets of 12th and all the marks sheets of Graduation upto pre-final year along with the printout of applications.

Candidates having any pending backlog in the first two years of Graduation shall not be considered for admission. Percentage of marks secured at the end of 2nd year of graduation shall only be considered even if the candidate has completed the graduation.

Note: The candidate seeking admission in different M.Sc. programs have to fill single form only with requisite fee mentioning discipline preferences.

- 6.9 For all M.Sc. Programs:** 1% over and above seats are reserved for children of employees of Thapar Institute of Engineering & Technology. The candidates seeking admission under this category are required to satisfy the eligibility as mentioned above for various M.Sc. programs.