

# ACADEMIC PROGRAMS

The School of Chemistry and Biochemistry offers academic programs both at postgraduate (PG) and PhD levels. **M.Sc - Chemistry** has been offered since 2007 while **M.Sc - Biochemistry** started in 2015. Both the postgraduate programs are supported by excellent infrastructure, experienced and qualified faculty and TIET's placement cell.

## What are carrier options after doing M.Sc. (Biochemistry) from TIET?

The extensive training provided in the M.Sc - Biochemistry makes our students employable in various sectors like careers in biochemical pharmacological, toxicological research and jobs in agriculture, food processing, healthcare and IPR industry.

## What does M.Sc. (Biochemistry) program of TIET offer?

This research-based two-year (four semester) program, includes regular biochemistry courses besides preparing students for the interdisciplinary topics like bioorganic chemistry, neurochemistry, nano-biology, and bioinformatics. The curriculum involves forty to fifty percent practical experience with hands on training on instruments like gel electrophoresis, fluorescent microscope, infrared spectrophotometer etc.

## What makes doing M.Sc. (Biochemistry) at TIET different from the similar programmes offered by other institutes?

The unique features of this program involve dissertation work for a semester, eight week of summer training in academia or industry and imparting thesis writing and literature survey and presentation skills. This also gives our students an opportunity to publish research articles (paper) in leading international journals and conferences.

## What about the students who passed from School of Chemistry and Biochemistry, TIET after completing M.Sc. (Biochemistry)?

Most of our alumni are either doing Ph.D. from India (IIT, IISER, TIET, PAU) or abroad. Many have been placed in various industries like Sun Pharma, Reckitt, Baxter, Parexel and coaching institutes like Fiitjee, Lakshya, Akash with attractive packages.

## What is the eligibility criteria for doing M.Sc. (Biochemistry) from TIET?

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, candidate having degree in MBBS, BDS, BAMS, BHMS, B. Pharm, B. Tech (Biotech) shall also be eligible for admission in MSc Biochemistry programme.

Admission to the M.Sc. (Biochemistry) programs shall be made on the basis of merit as per following criteria.

S. No.	Qualification	Weightage (%)
1.	MARKS IN CLASS 12 <sup>TH</sup>	40
2.	GRADUATION ❖ <i>Aggregate marks up to pre-final year</i>	60

❖ Overall minimum 60% (55% for SC/ST) in graduation shall be required to continue with the admission after declaration of the result

**The result of my final semester has not been declared as yet. Can I still apply for the admission in the M.Sc. (Biochemistry) programme?**

Yes. You can still apply for admission to M.Sc. (Biochemistry) programme and take provisional admission. We are aware of it and that is why we are preparing the merit list on the basis of aggregate marks up to pre-final year. You have time up to **December 31, 2021** to submit the proof of passing of the qualifying examination with the minimum percentage of marks as required.

**Due to prevailing Pandemic Circumstances, it is not clear when my university will conduct the examination. Can I still apply for the admission in the M.Sc. (Biochemistry) programme?**

Yes. You can still apply for admission to M.Sc. (Biochemistry) programme and take provisional admission even if due to pandemic your final examinations are not decided yet. You have time up to **December 31, 2021** to submit the proof of passing of the qualifying examination with the minimum percentage of marks as required.

**How many students are admitted in M.Sc. (Biochemistry) programme in an academic session?**

Total number of students admitted in the programme are

S. No.	Category	Total Seats
1.	Open	14
2.	SC/ST*	5
3.	Physically Handicap*	1
4.	FN/NRI candidates	5
	<b>Total</b>	<b>25</b>

\* In case, seats under this category remain vacant till last counselling, they are transferred to the open category

**For more details and filling up the admission forms please refer the following links:**

1. [https://admission.thapar.edu/?\\_ga=2.157641274.1860981924.1621417393-666604951.1618196043](https://admission.thapar.edu/?_ga=2.157641274.1860981924.1621417393-666604951.1618196043)
2. [https://admission.thapar.edu/downloads/60b88be0aec86028728739\\_11\\_ADMISSION\\_TO\\_MSC\\_PROGRAMS\\_\(1\)\\_1\).pdf](https://admission.thapar.edu/downloads/60b88be0aec86028728739_11_ADMISSION_TO_MSC_PROGRAMS_(1)_1).pdf)