



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

नवाबगंज, कानपुर – 208002, उ.प्र., भारत

HARCOURT BUTLER TECHNICAL UNIVERSITY

NAWABGANJ, KANPUR - 208002, U.P., INDIA

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GUIDELINES FOR ADMISSION TO M.TECH. PROGRAMMES (PHASE-II)

SESSION 2024-25

1. Applications for admission to Two Years Master of Technology (M.Tech.) Programme at HBTU, Kanpur are invited for the session 2024-25. Online Registration and Fee Payment of Rs. 2500/- (Non-refundable) can be made Online through the website: <https://erp.hbtu.ac.in/Mtech.aspx>.
2. The admission to M. Tech. program will be carried out strictly on the merit of the candidate in accordance with the valid **GATE score** and **CUET(PG)-2024 score**. The candidates with the valid GATE score will be given preference over the candidate with CUET(PG)-2024 score. If any seats remain vacant afterwards, the admission will be made through University Entrance Test-2024 (UET-2024).
3. All the information related to M.Tech. Admission 2024 shall be made available on the university website <https://www.hbtu.ac.in> / <https://hbtu.ac.in/admission-2024-25/>.
4. Candidates are advised to read the guideline carefully, check their eligibility and applicable reservation category etc. before filling and submitting the Online Registration Form. University will not be responsible for any error of judgement on the part of the candidate.
5. All eligible Indian residents may apply for the M.Tech. programme. There is no age limit for candidates applying to the M.Tech. program at HBTU Kanpur.
6. **Academic Qualifications**
B.E./ B.Tech./ M.Sc. /M.C.A. with a minimum aggregate of 55% marks or equivalent CGPA (50% or equivalent CGPA for SC/ ST / OBC-NCL / PwD) from a University recognized by UGC. Eligibility criteria for admission to M.Tech. (Full time) programme have been listed in Table 1.
7. All candidates, whose Qualifying Examination result is pending can participate in the Counselling with appearing status. Such candidates have to submit their Qualifying Examination results on or before the date of their physical reporting in the University, else their allotted seat may be cancelled.
8. Accepting admission in HBTU, Kanpur implies the acceptance by the candidate and his / her parents or guardians of all the terms and conditions laid down by the University. Any

change in the rules, regulations, fee and other specific conditions etc. of the University shall apply mutatis mutandis to the admitted candidates.

9. Candidates claiming advantage of reserved categories, subcategories are required to indicate the same in the Online Registration Form. Original certificates are to be produced at the time of registration along with one self-attested copy of each document. Formats for various certificates to be submitted are available on the University website. Note that **the certificate for OBC candidates will be entertained only if it is issued on or after 01.04.2024 (mandatory condition for non-creamy layer for OBC candidates).**
10. Candidates from other states (other than Uttar Pradesh) will get vertical reservation only (No horizontal reservation). They are required to submit reserve category certificate issued by the Central Government.
11. If any document / declaration submitted by the candidate is found to be false at any stage, his / her admission will be cancelled and he / she may be liable for prosecution under the law.
12. M.Tech. Seat Matrix, Tentative schedule of Online Counselling, Procedure & Fee Deposition details are listed in Table 3 and Table 4, respectively.
13. All the candidates are required to come with photo identity proof such as Aadhar Card / Driving License / PAN at the time of Physical Reporting at HBTU Kanpur for final Admission and Registration.
14. **If a candidate fails to report for registration on time, leaves the university after completing admission formalities, or discontinues their studies, their academic fees will be refunded in accordance with AICTE/UGC norms.**
15. University reserves the right to modify the Guidelines as and when required.

16. **Reservation of Seats**

a) **Vertical Reservation:**

Category	Percentage of Reservation
(a) Scheduled Caste	21%
(b) Scheduled Tribe	02%
(c) Other Backward Classes	27%

b) **Horizontal Reservation (Sub-categories):**

Sub-category	Code	Maximum Percentage of Total Seats
a. Dependents of Freedom Fighters	FF	02%
b. Sons / Daughters of Defence Personnel retired (superannuated) or killed / Disabled in action	AF	05%
c. Handicapped / Disabled persons	PH	05%
d. Girls	GL	20%

c) The candidates can be given only one type of horizontal reservation out of FF / AF / PH(*Certificate no. 4, 5 & 6 respectively*). **However, the Girl candidates can also claim for any one of FF / AF / PH along with GL category.**

d) **Economically Weaker Section (EWS) Quota / Reservation**

Candidates who wish to avail the benefit of EWS quota must not be covered under the existing scheme of reservation for the Scheduled Castes, Scheduled Tribes and the Socially and Economically Backward Classes. They must produce Certificate No. 12 issued by the Government Officer not below the rank of Tehsildar to claim the benefit of this reservation.

e) **Request for the change of category / sub-category filled during Online Registration Form shall not be entertained under any circumstances.**

f) Category / sub-category claims must be supported by the relevant certificates as per the format provided and will be checked at the time of Document Verification. Otherwise, the allotment will be cancelled and the candidates shall be treated in General Category in the next round of counselling.

g) Advantage of horizontal reservation in Armed Forces sub-category is available to sons / daughters of Defence Personnel.

h) Benefits of GL subcategory will automatically be given to all eligible female candidates.

i) Candidates belonging to other states will have to produce category certificate according to Centre Government list for reserved category.

17. **Medical Standards**

- a) Candidates will have to submit a certificate of Medical Fitness / Handicapped on relevant Certificate at the time of Verifications at HBTU, Kanpur.
- b) The medical standards prescribed are given below:

Height	Candidates should be physically and mentally fit to pursue his / her studies in opted course.
Weight	
Chest measurement	
Heart and lungs	No abnormality
Hernia, Hydrocele, Piles etc.	Presence of any of these is to be corrected before joining
Vision	Normal, if defective, it must be got corrected to 6/9 in the better eye and 6/12 in the worse one. Eyes should be free from congenital or any other disease
Hearing	Normal, If defective, it must be got corrected before joining.

Physically Handicapped / Disabled:

Physically Handicapped / Disabled persons will have a minimum of 5% reservation on the basis of impairment and mentioned below:

Type I	Minimum 40% permanent Visual impairment
Type II	Minimum 40% permanent Locomotors disability
Type III	Minimum 40% permanent speech and Hearing impairment

Note: Physically handicapped / Disability certificate should be issue by CMO of the district.

18. All the formats of certificates will be available on University website www.hbtu.ac.in

Table 1: Eligibility criteria for admission to M.Tech. (Full time) programme

Sr. No.	Department	Specialization	Intake	GATE Paper Code	CUET-PG Paper Code	Minimum Eligibility Criteria*	
School of Engineering							
1	Mechanical Engineering	Computer Aided Design	18	ME	MTQP07	B.E. / B. Tech. or Equivalent in Mechanical Engineering with minimum 55% marks.	
2	Civil Engineering	Environmental Science and Engineering	18	CE/ES/CH	MTQP02 / MTQP11 / SCQP04 / SCQP11 / SCQP26	B.E. / B. Tech. or Equivalent in Civil Engineering / Environmental Engineering / Chemical Engineering with minimum 55% marks.	
3	Electronics Engineering	Electronics and Communication Engineering	18	EC	MTQP05	B.E. / B. Tech. or Equivalent in Electronics & Communication Engineering / Electronics Engineering / Electronics & Telecommunication Engineering, with minimum 55% marks.	
4	Electrical Engineering	Power Electronics and Control**	30	EE	MTQP10	B.E. / B. Tech. or Equivalent in Electrical Engineering with minimum 55% marks.	
5	Computer Science and Engineering	Computer Science and Engineering**	30	CS/EC	MTQP04	B.E. / B. Tech. in Computer Science, Information Technology, Electronics Engineering or MCA with minimum 55% marks.	
School of Chemical Technology							
Sr. No.	Department	Specialization	Stream	Intake	GATE Paper Code	CUET-PG Paper Code	Minimum Eligibility Criteria*
1	Oil Technology	Chemical Technology - Oil Technology	Stream A	11	BT/CH	MTQP01 / MTQP06 / SCQP08 / SCQP12	(i) B. Tech. / B. E. Degree in Oil Technology with minimum 55% marks.
			Stream B				(ii) B. Tech. / B. E. Degree in Food Technology, Biochemical Engineering, Chemical Engineering, Paint Technology, Plastic Technology, Leather Technology, Biotechnology or any other relevant/allied discipline with minimum 55% marks.
			Stream C				(iii) M. Sc. Degree in Chemistry, Industrial Chemistry, Applied Chemistry, Food Technology, Biochemistry, Biotechnology, Microbiology, Life-Sciences or any other relevant/allied discipline with minimum 55% marks.
2	Food Technology	Chemical Technology - Food Technology	Stream A	11	BT/ CH/ XE (with section G) / XL (with section U)	MTQP01 / MTQP03 / MTQP06 / SCQP08 / SCQP12	(i) B. Tech. / B. E. Degree in Food Technology with minimum 55% marks.
			Stream B				(ii) B. Tech. / B. E. Degree in Plastic Technology, Biochemical Engineering, Chemical Engineering, Paint Technology, Oil Technology, Dairy Technology, Leather Technology, Biotechnology or any other relevant/allied discipline with minimum 55% marks.

			Stream C				(iii) M. Sc. Degree in Chemistry, Industrial Chemistry, Applied Chemistry, Food Science, Food Technology, Biochemistry, Biotechnology, Microbiology, Life-Sciences or any other relevant/allied discipline with minimum 55% marks.
3	Biochemical Engineering	Chemical Technology - Biochemical Engineering	Stream A	12	BT/ CH/ XE (with section G) / XL (with section Q/S/U)	MTQP01 / SCQP03 / SCQP08 / SCQP17	(i) B. Tech. / B. E. Degree in Biochemical Engineering with minimum 55% marks.
			Stream B				(ii) B. Tech. / B. E. Degree in Food Technology, Plastic Technology, Chemical Engineering, Paint Technology, Oil Technology, Leather Technology, Biotechnology or any other relevant/allied discipline with minimum 55% marks.
			Stream C				(iii) M. Sc. Degree in Chemistry, Industrial Chemistry, Applied Chemistry, Food Technology, Food Science, Biochemistry, Biotechnology, Microbiology, Life-Sciences or any other relevant/allied discipline with minimum 55% marks.
4	Chemical Engineering	Chemical Engineering	Stream A	18	BT/ CH/ PE/ XE (with section F/G) / XL (with section Q/S/U)	MTQP01 / MTQP03/ MTQP06 / SCQP03 / SCQP08 / SCQP12 / SCQP17 / SCQP18	(i) B. Tech. / B. E. Degree in Chemical Engineering/Technology with minimum 55% marks.
			Stream B				(ii) B. Tech. / B. E. Degree in Food Technology, Biochemical Engineering, Plastic Technology, Paint Technology, Oil Technology, Leather Technology, Petroleum Engineering/Technology or any other relevant/allied discipline with minimum 55% marks.
		Energy and Environment**	Stream A	18	ME/ EE/ ES/ CE/ BT/ CH	MTQP01 / MTQP07 / MTQP10 / MTQP11 / SCQP08 / SCQP11	(i) B. Tech. / B. E. Degree in Mechanical, Electrical, Chemical, Energy, Civil, Biochemical, Oil Technology or other relevant branches with minimum 55% marks.
			Stream B				(ii) M.Sc. Degree in Physics / Chemistry with minimum 55% marks.
5	Paint Technology	Chemical Technology - Paint Technology**	Stream A	15*	BT/ CH/ XE (with section F)	MTQP01 / SCQP08 / SCQP18	(i) B. Tech. / B. E. Degree in Paint Technology / Surface Coating/ Printing Ink Technology with minimum 55% marks.
			Stream B				(ii) B. Tech. / B. E. Degree in Food Technology, Biochemical Engineering, Chemical Engineering, Oil Technology, Polymer Technology, Plastic Technology, Leather Technology, Biotechnology or any other relevant/allied discipline with minimum 55% marks.
			Stream C				(iii) M. Sc. Degree in Chemistry, Industrial Chemistry, Applied Chemistry, Polymer Chemistry, Food Technology, Biochemistry, Biotechnology, or any other relevant/allied discipline with minimum 55% marks.

6	Plastic Technology	Chemical Technology - Plastic Technology**	Stream A	15*	BT/ CH/ XE (with section F) / XL (with section Q)	MTQP01 / SCQP08 / SCQP18	(i) B. Tech. / B. E. Degree in Plastic Technology/Polymer Engineering and Technology with minimum 55% marks.
			Stream B				(ii) B. Tech. / B. E. Degree in Food Technology, Biochemical Engineering, Chemical Engineering, Paint Technology, Oil Technology, Leather Technology, Biotechnology or any other relevant/allied discipline with minimum 55% marks.
			Stream C				(iii) M. Sc. Degree in Chemistry, Industrial Chemistry, Applied Chemistry, Polymer Chemistry, Food Technology, Biochemistry, Biotechnology, or any other relevant/allied discipline with minimum 55% marks.

* A relaxation of 5% of marks in minimum qualifying marks is permissible (without grace marks) candidates belonging to SC / ST / OBC-NCL / PwD category for admissions to M. Tech. programme. B. Tech. candidates will be given preference over M.Sc. candidates in case of Chemical Technology branches.

** The fellowship for GATE qualified candidates in these specializations will be subject to approval by AICTE, New Delhi.

Table 2: Fee structure for M.Tech. programme session 2024-25

S. No.	Particular	Fee in (Rs.)
A	Tuition Fee	40000.00
B	Other than Tuition Fee	
(i)	Registration, Examination & Certification	10000.00
(ii)	Facility	10000.00
(iii)	Medical Fee	3000.00
(iv)	Training & Placement	2500.00
(v)	Activity Charges	3000.00
(vi)	Other Charges	
	Caution Money	5000.00
	University Alumni Fund	1500.00
	Student Aid Fund	1500.00
	Contingency & Miscellaneous Charges	3500.00
	Total (i+ii+iii+iv+v+vi)	40000.00
	Grand Total (A+B)	80,000.00

**Table 3. Seat Matrix for Admission to M.Tech. Programme 2024-25
(PHASE-II)**

DEPARTMENT_ABB	DEPARTMENT	SPECIALIZATION	OPEN*	Other Backward Class*	Schedule Caste*	Schedule Tribe*	Economically Weaker Section*	Total available seats
ME	MECHANICAL ENGINEERING	COMPUTER AIDED DESIGN	1	5	4	0	2	12
CE	CIVIL ENGINEERING	ENVIRONMENTAL SCIENCE AND ENGINEERING	6	5	4	0	2	17
ET	ELECTRONICS ENGINEERING	ELECTRONICS AND COMMUNICATION ENGINEERING	4	5	4	0	2	15
EE	ELECTRICAL ENGINEERING	POWER ELECTRONICS AND CONTROL	3	8	6	1	3	21
CS	COMPUTER SCIENCE AND ENGINEERING	COMPUTER SCIENCE AND ENGINEERING	0	6	4	1	2	13
OT	OIL TECHNOLOGY	CHEMICAL TECHNOLOGY - OIL TECHNOLOGY	0	3	2	1	1	7
FT	FOOD TECHNOLOGY	CHEMICAL TECHNOLOGY - FOOD TECHNOLOGY	0	1	1	0	0	2
BE	BIOCHEMICAL ENGINEERING	CHEMICAL TECHNOLOGY - BIOCHEMICAL ENGINEERING	1	2	3	0	1	7
CH	CHEMICAL ENGINEERING	CHEMICAL ENGINEERING	2	4	4	0	2	12
		ENERGY AND ENVIRONMENT	6	5	4	0	2	17
PT	PAINT TECHNOLOGY	CHEMICAL TECHNOLOGY - PAINT TECHNOLOGY	3	4	3	1	1	12
PL	PLASTIC TECHNOLOGY	CHEMICAL TECHNOLOGY - PLASTIC TECHNOLOGY	6	4	3	0	2	15
Total			32	52	42	4	20	150

* The seat allotment will be done as per the vertical reservation given above, thereafter if the seats remain vacant, seats will be opened for all categories.

**Table 4: Tentative Admission Schedule for M.Tech. Programme
Phase-II**

Sr. No.	Activity	Dates
1.	Registration of candidates having valid GATE / CUET(PG)-2024 score through https://erp.hbtu.ac.in/Mtech.aspx	July 20 – July 30, 2024 (Saturday-Tuesday)
2.	Registration of candidates who want to get admission through University Entrance Test-2024 https://erp.hbtu.ac.in/Mtech.aspx	
3.	Display of Programme wise list of eligible GATE, CUET(PG) and UET-2024 candidates	July 31, 2024 (Wednesday)
4.	Physical Document verification, Academic Fee deposition, and ERP Registration of selected GATE and CUET(PG) candidates at HBTU Kanpur	August 02 – August 03, 2024 (Friday-Saturday)
5.	University Entrance Test-2024 for Phase-II candidates	August 03,2024 (Saturday)
6.	Display of Programme wise list of qualified candidates from University Entrance Test-2024	August 03,2024 (Saturday)
7.	Physical Document verification, Academic Fee deposition, and ERP Registration of selected UET candidates	August 05, 2024 (Monday)
8.	Commencement of Classes	August 07, 2024 (Wednesday)

* Syllabus for Written Test will be based on GATE syllabus for different subjects. For M.Tech. in Chemical Technology branches (Biochemical Engineering / Food Technology / Oil Technology / Paint Technology / Plastic Technology/ Energy and Environment) B.Tech. syllabus followed by HBTU Kanpur for this specialization will be applicable.

*** Academic Fee for M.Tech. Programmes is Rs. 80,000=00 for session 2024-25.