Department of Chemical Engineering
Indian Institute of Technology-Delhi

22-Apr-25

Admission to Ph.D. Program in Chemical Engineering, Semester I, 2025-2026

1. Shortlisting Criteria: Qualification for Admission to Full Time Ph.D. Program

Qualifying Degree	Performance CGPA# (10pt scale) in Qualifying degree for		Qualification through national level examination[!] (GATE Score) requirements
	GEN/OBC/EWS	SC/ST/PH	All
*M.Tech./M.E	6	5.5	Not required
MSc**	6	5.5	Qualified
B.Tech/B.E	7	6.5	Qualified

[!]National level examination other than GATE are CSIR/UGC NET/ICAR/ICMR/DST-INSPIRE fellowship
#For colleges where the percentage (P) system is followed, candidates should check the cutoff criteria in CGPA (G) using the formula: $G = P/10$
#For CGPA with scales of other points, a linear interpolation will be used, i.e., $G = 10 \times Gx/X$, where G is the CGPA on 10 point scale and Gx is the GPA on 'X' point scale.
 # Rounding-off to the nearest decimal will not be allowed.
**Applicants with M.Tech/B.Tech degree in engineering disciples who should have studied Chemistry, Physics and Mathematics in their bachelor's programs are considered.*
***Eligible disciplines for applicants with non-MS/MSc. degrees: M.Sc Chemistry, Physics, Biochemistry, Nanotechnology (applicants should have studied Chemistry, Physics and Mathematics in their Bachelor's programs).*

Exemptions, Relaxations and Clarifications:

Requirement of qualification in National Exam is waived for the following categories of applicants:

(i) Currently registered students in Centrally Funded Technical Institutes (CFTIs) pursuing B. Tech./B.E./ Integrated M. Tech/ Integrated M. Sc. programs, who are in the final semester, and have CGPA# of 8.0 or above (on a 10-point scale). Such students must obtain a CGPA# of 8.0 or above at the time of graduation, and before they formally register for the Ph.D. program.

(ii) Graduates of CFTIs (in the program marked under (i)) with a final graduation CGPA# of more than 8.0 (80% aggregate marks, if marks are the primary mode of evaluation);

(iii) M.A or M.Sc. graduates from IITs with CGPA# 8.0 or above.

2. Shortlisting Criteria: Qualification for Admission to Part Time Ph.D. Program

i. Minimum qualifications for these candidates are the same as for full-time candidates, except that the requirement of qualifying in a national examination (column 3 in the above Table) is waived off.

ii. Only employees of Public Sector Undertakings or Government Departments or Research and Development Organizations or Private Industries (approved by Faculty Board) are eligible for admission to PhD program.

Qualifications	**Work Experience (Post Qualification)**
M.E./M.Tech./M.S.(R) or Equivalent	Nil
B.E./B.Tech. or equivalent, from CFTIs/Central Universities	1 year
B.E./B.Tech. equivalent, and working in IIT Delhi* (Project or Regular) *Through proper channel	1 year
B.E./B.Tech or equivalent, from institutions other than CFTIs/Central Universities	2 years

iii. All Rules written in INFORMATION BROCHURE (Semester I, 2025-2026) for admission to PhD Programs of IIT Delhi are applicable.

General information:

1. Part-time candidates are required to submit a "No Objection Certificate" (NOC) on a proper letterhead from the appropriate authority.
2. Applicants belonging to EWS, OBC, SC, ST and PH should bring their category certificate.
3. Applicants with non-chemical engineering backgrounds (qualifying degree) should bring national level examination certificate to justify their qualification.
4. A list of shortlisted students will be available at the website of the Department of Chemical Engineering (http://chemical.iitd.ac.in/). No separate interview call letter will be sent via post.

A candidate meeting the above shortlisting criteria, but name does not appear in the list should contact in the following contact points immediately and confirm their candidature.

Selection process: Written test and interview
Date: 07-May-2025 to 08-May-2025
Time: 9:30 am onwards.
Venue: Department of Chemical engineering (Block-II, Room- 278), IIT Delhi.

Written Test and Interview:
All shortlisted candidates should report in the department at **09:30 am on 07-May-2025**. The applicants will appear for a written test at **10 am**. Candidates who qualify in the written test will be considered for the interview in the department. The entire selection process will be completed within two days. Therefore, candidates are advised to plan their travel accordingly, as they may need to stay until the evening of May 8, 2025.

Syllabus of written test

Topics	Academic background of applicants
Thermodynamics: First law, Second Law, Phase Equilibria: ***Chemical Kinetics*** Order and molecularity of a reaction, rate laws, Temperature dependence of reaction rates; qualitative treatment of the theory of absolute reaction rates. ***Flow properties*** viscosity of liquids and gases and its measurement ***Mathematics*** Differential calculus: Numerical methods of finding roots Numerical integration	All Applicants
Transport Processes Fluid flow, flow over immerged objects, mass transfer, heat transfer	Chemical Engineering
Biochemistry Basic understanding of the structures, properties and functions of carbohydrates, lipids and proteins:	Non-Chemical Engineering (optional)

Accommodation:
No accommodation will be provided by the Department/Institute. Applicants need to arrange their own accommodation.

Travel allowance (TA):
The candidates appearing for the interview under full-time (regular) category are eligible for TA as per institute rules. Such candidates should complete the TA form in the office of Department of Chemical Engineering after the interview with necessary documents.

Contact:
Telephone: 011 2659 1021 (Chemical Engineering Office)
Email: cheiitd.phd@gmail.com

Somnath Ghosh
PhD coordinator

Anurag S. Rathore
HOD/DRC Chairman

Based on the above shortlisting criteria, following applicants are selected for written test.*

Application Number	Name
PG-252601-0195	Zeshan Hossain Sardar
PG-252601-0029	Jyoti rani
PG-252601-0025	Mohd Bilal
PG-252601-38280	Anisha Prakash Kamble
PG-252601-2505	Mohd Fazil Khan
PG-252601-15909	Chetan Upadhyay
PG-252601-25919	Sagar Nain
PG-252601-6347	Sakshi Upendra Lad
PG-252601-24553	Udit Bairagi
PG-252601-11957	Mitali Sharma
PG-252601-37462	Anu Sharma
PG-252601-13865	Shikhar Verma
PG-252601-20777	Piyush Dubey
PG-252601-36859	Ayan Bhattacharjee
PG-252601-34338	Ravi Shankar Patel
PG-252601-33421	Keshvendra Pratap Singh Rajawat
PG-252601-0551	Sivamoorthy M
PG-252601-1317	Bishal Baishya
PG-252601-0789	Amit Singh
PG-252601-1045	Md Nishat Eliyas
PG-252601-0824	Shweta Mishra
PG-252601-0685	Shivam Mishra
PG-252601-0745	Upendra Kumar Shukla
PG-252601-0949	Arun Kumar
PG-252601-33343	Mansi
PG-252601-13691	Parmar Chiragkumar
PG-252601-1375	Eden Reang
PG-252601-6430	Shreyash Manral
PG-252601-4681	Preity Yadav
PG-252601-19411	Sahil Bhardwaj
PG-252601-22708	Nitin Yadav
PG-252601-1908	Harini S
PG-252601-28716	Ayush Chaudhary
PG-252601-4179	Chanukya C R
PG-252601-6995	KM Alka
PG-252601-5782	Aryan Surendra Agrawal
PG-252601-21531	Anjali
PG-252601-6755	P H Sai Siddharth

PG-252601-29289	Anuj kumar
PG-252601-5906	Anandamoy Mukhopadhyay
PG-252601-14308	Sumit
PG-252601-6295	Ramnivas Meena
PG-252601-7565	Anindya Kanti Roy
PG-252601-7809	Anoop Kumar
PG-252601-8201	Shubham Sharma
PG-252601-10887	Alisha Rajkumar Meshram
PG-252601-25633	Vineet Kumar Bharti
PG-252601-8732	Mansi SubirKumar Srivastava
PG-252601-11606	Ayush Baodni
PG-252601-9984	Shubham Tomar
PG-252601-12841	Pawan Yadav
PG-252601-38970	MD Nawaid Anjum
PG-252601-11426	Deepa Devi
PG-252601-17559	Saurav Subhash Gite
PG-252601-36066	Nishant Sheshrao Chavhan
PG-252601-23223	Akhilesh Yadav
PG-252601-29792	Nupur Bera
PG-252601-39658	Rubina Akhtar
PG-252601-24107	Nikita Pal
PG-252601-15204	Silwant
PG-252601-15046	Mantosh Kumar Yadav
PG-252601-14649	Nirlipta Mohapatra
PG-252601-15936	Akanksha Yadav
PG-252601-15854	Mehnaz Khan Rangrej
PG-252601-16141	Harendra Singh
PG-252601-24505	Divyansh Chaturvedi
PG-252601-16271	Kirti Na Na
PG-252601-16341	Jatin Pratap Singh
PG-252601-17263	Suraj Das
PG-252601-17399	Subhadeep Bose
PG-252601-34626	Rahul Shaikh
PG-252601-30538	krishan chand
PG-252601-22272	Eakpreet Singh
PG-252601-23170	Mushfarah Khan
PG-252601-18621	Gaurav Kumar Singh
PG-252601-25804	Suman Bhadra
PG-252601-18924	Aditi Bhole
PG-252601-28736	Arti Kumari
PG-252601-21460	Kaushik Das
PG-252601-22177	Khushi Krishna Veerothi
PG-252601-27756	Deeksha Katiyar
PG-252601-23115	Sharad Kumar Tripathi
PG-252601-30889	Apoorva Hembram
PG-252601-26278	Gurav Kumar Singh
PG-252601-24396	Iftekhar Ahmad
PG-252601-26298	NITIN KUMAR SONKAR
PG-252601-30369	Bibekjyoti Boro
PG-252601-29034	Vaibhav Satish Ghorpade
PG-252601-32361	Komal Gupta
PG-252601-31239	Ravinutala Shivani
PG-252601-31186	Prerna Pandey
PG-252601-28563	Priyanshu Kumar
PG-252601-30969	G Nandakumar Goud
PG-252601-28443	Sneha Mishra

PG-252601-34137	Siraj Ahmad
PG-252601-31588	Nikhil Srivastava
PG-252601-30394	Abhishek Raj
PG-252601-32200	Aayushi Pandey
PG-252601-30954	Sumit
PG-252601-41384	Gunankar Das
PG-252601-34934	Himanshu Saini
PG-252601-35561	Sidharth Kumar Behera
PG-252601-41762	Anamika Jha
PG-252601-36073	Shradhanjali Sahoo
PG-252601-36006	Ticha Sonowal
PG-252601-36067	Ekta
PG-252601-40383	Shoaib Nazir
PG-252601-36390	Kushith Kaushik
PG-252601-38507	Abhishek
PG-252601-38046	Srinjan Kumar Saha
PG-252601-41573	Jayesh Gajadhar Garg
PG-252601-38508	Nithya Priya s
PG-252601-40543	Mohit Dilip Borse
PG-252601-40674	Md Rizwan
PG-252601-39730	Gaurav Paswan
PG-252601-41449	Anita Thakur
PG-252601-40767	Chavakula Veera Venkata Satyanarayana
PG-252601-39963	Shiva Kant Mishra
PG-252601-42630	Begum Muhsina Kadwaie
PG-252601-41363	Vikash Kaushik
PG-252601-42478	Dagarapu Chandrika Nissi Grace
PG-252601-41516	Shalini Gautam
PG-252601-42421	Rubina Dhiman
PG-252601-42607	Ajay Ojha
PG-252601-42681	Naima Anjum Choudhury
PG-252601-42535	Kenpu Kamduk
PG-252601-42524	Subhajeet Dhal
PG-252601-42689	Rohan Meena

* Names are not mentioned in any order of merit list.

Following applicants are not shortlisted based on the shortlisting criteria. However, applicant with a valid application number meeting the shortlisting criteria should contact us immediately and appear for the written test and interview on 07-May-2025.

Application number	Name
PG-252601-1137	Roqiya Banoo
PG-252601-0613	Anjali Adhikari
PG-252601-40628	Devanjali Sharma
PG-252601-42462	Shubham Vishwakarma
PG-252601-41648	Govind Diwaker