

SHIV NADAR UNIVERSITY

School of Engineering Department of Chemical Engineering

M.Tech. Admissions Announcement (For 2017-18 Academic Year)

The Department of Chemical Engineering in the School of Engineering at Shiv Nadar University invites applications for admissions to its M.Tech. program.

About the Programme

The Master of Technology (M.Tech) programme in the Department of Chemical Engineering is a postgraduate programme at Shiv Nadar University (SNU). Students entering this programme will be awarded the M.Tech degree on successful completion of 48 credits in 2 years.

Objectives of the Programme

The Master of Technology in Chemical Engineering is designed to prepare students for more highly productive careers in academics and industry. Students are exposed to a wide range of core and elective courses with in-depth syllabi, combined with specialized research which culminates in a thesis. Such an excellent combination provides the students the breadth and depth knowledge necessary for pursuing highly productive careers in academics as well as in industry.

Specializations available in the department:

Process engineering and intensification, Bioenergy, Waste Water Treatment , Multiphase flows, Computational Fluid Dynamics, Microfluidics and Microreactors, Film formation in water based dispersions; Applications of Ionic Liquids in Chemical Industry, Reactive Separations, etc.

Programme Structure

Students entering this programme will have to complete 48 credits in 2 years that will comprise of coursework, and a research thesis. The course work for M.Tech. in Chemical Engineering comprises of following components:

- a) **Core Courses:** 16 credits
- b) **Elective Courses:** 16 credits
- c) **Thesis:** 16 credits.

Eligibility: B.E/B. Tech. Degree in Chemical Engineering or related discipline such as Petroleum Engineering, Biochemical Engineering, Polymer Engineering, Chemical Technology

etc. with overall marks of at least 60% (or minimum 6.5/10 CGPA). Final year students can apply while awaiting their results.

Total Seats

Admission is sought for a maximum of 10 seats in the department. Please note that the University reserves the right to admit lower number of students if the admissions committee does not find enough suitable candidates.

Selection Process: Eligibility criteria mentioned above is the minimum standards and applications not meeting the same will be summarily rejected. Short-listed candidates will be required to demonstrate their knowledge through a written test and/ or interview, to be held in 5 July, 2017. Selections will be based on past academic performance, written examination and/or interview. Candidates from IITs and NITs with a CGPA ≥ 8.0 will not have to appear in a written test (if held) but only in the interview. Candidates who have qualified GATE and have score ≥ 75 will not have to appear in written test . **Please note that not all candidates meeting the minimum eligibility criteria may be shortlisted.**

Sponsored candidates from industry are encouraged to apply. There'll waiver for written test for them if they have at least 2 years of experience in the Job. GATE score is also not mandatory for them. They'll not get any teaching assistantship here but they will get the tuition and hostel charges waivers.

Syllabus for the Written Test

Same as for GATE Exam for 2017.

Course structure for M.Tech. Programme

There will be some advance level courses in the core areas of chemical engineering and there will be some electives in the various allied fields as given below:

A) Core Courses

1. Advance Reaction Engineering
2. Advance Transport Phenomena
3. Advance Thermodynamics
4. Advanced separation Processes
5. Advance Process Control
6. Research Methodology
- 7.

B) Elective Courses

8. Heterogeneous Catalysis
9. Colloids and Interfacial Engineering
10. Rheology of Complex Fluids

11. Polymer Dynamics
12. Advance Computational Fluid Dynamics
13. Mathematical Methods in Chemical Engineering

Program and Admission Fees:

Item	Year 1	Year 2	Full Program
Admission Fee (Non-refundable)	₹ 24,000		₹ 24,000
Security Deposit (Refundable)	₹ 75,000		₹ 75,000
Recurring Charges			
Tuition Fee	₹1,00,000	₹1,00,000	₹2,00,000
Hostel Fee (Single)	₹1,20,000	₹1,20,000	₹2,40,000
Total Charges (1)+(2)	₹3,19,000	₹2,20,000	₹5,39,000
Financial Assistance			
Tuition Fee Waiver 90%	₹ 90,000	₹ 90,000	₹ 1,80,000
Hostel Fee Waiver -70%	₹ 84,000	₹ 84,000	₹ 1,68,000
Net Payable (3)-(4)	₹ 1,45,000	₹ 46,000	₹ 1,91,000
Cost Exc. Security Deposit			₹ 1,16,000
Teaching Assistantship @16,000 per month(for 24 months max)	₹ 1,92,000	₹ 1,92,000	₹ 3,84,000

Application Fees: You will be required to pay a non-refundable application fees of Rs. 1200 (One Thousand Two Hundred Only) by credit/debit card on-line or Demand Draft drawn in favor of **Shiv Nadar University** payable at **NOIDA**. Candidates may note that the University reserves the right to accept or reject any application based on its departmental screening criteria, hence all applications may not be shortlisted for written examination and/or interview. No requests for refund of the application fee shall be entertained under any circumstancea.

Application Instructions:

All interested applicants shall apply online using the link given below. Please follow the instructions carefully.

- Fill all the mandatory fields
- Online upload of the following documents is required
 - Passport size color photograph
 - Current CV
 - All Mark Sheets/Degree Certificates (10th Standard onwards)
 - Standardized Examination Certificate- CSIR, UGC, GATE etc. (only If applicable)
- After online submission, print the completed form for your record. It need not be sent to the University except in the case mentioned below.
- In case you have not been able to pay the application fee on-line and are sending it by a bank draft, please send it by speed post to the University at the address given below along with a copy of your application form.

Last date for the receipt of completed application form & application fee	July 3, 2017
Written Tests and Interview	July 10, 2017
Declaration of Results	July 17, 2017

- **Please note that the application is not deemed complete until we receive all the necessary prescribed documents and application fees.**

Address for Speed Post:

Dr. Sanjeev Yadav

Asst. Professor

Department of Chemical Engineering

Shiv Nadar University

P.O. - Shiv Nadar University

NH-91, Tehsil Dadri

District Gautam Buddha Nagar, UP-201314.

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