

SHIV NADAR UNIVERSITY

School of Engineering Department of Chemical Engineering

M.Tech. Admissions Announcement (For 2019-20 Academic Year)

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

About the Programme

The M.Tech is a postgraduate programme. Students entering this programme will be awarded the M.Tech degree on successful completion of 48 credits in 2 years. Full time students will get Rs 16000 /- p . m for up to 24 months on satisfaction performance all through.

Objectives of the Programme

M. Tech program 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 need to complete 49 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:** 19 credits
- b) Elective Courses:** 12 credits
- c) Thesis:** 18 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

Applications are sought for up to 15 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 rejected. Short-listed candidates will be called for a written test and/ or interview. 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 in 2018/2019 and have score ≥ 75 will not have to appear in the written test. GATE score is not mandatory to seek admission. **Please note that not all candidates meeting the minimum eligibility criteria may be shortlisted.**

Sponsored candidates from industry are encouraged to apply. They'll get waiver from written test if they have at least 2 years' 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 as for full time students.

Syllabus for the Written Test

Same as for GATE Exam for 2019.

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 various allied fields as given below. Not all courses will be offered each semester.

A) Core Courses

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

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

Fees and Financial assistantship

Please check our website for program fees and the assistantship related information.

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 circumstance.

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	June 30, 2019
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Written Tests and Interview		July 10, 2019
Declaration of Results	July 17, 2017	July 15, 2019

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

The address to which documents are to be sent, preferably by speed post, is:

Mr. Sachdev Singh

EA, Department of Chemical Engineering,

School of Engineering,

Room No. D-032,

Shiv Nadar University,

P. O. Shiv Nadar University,

NH-91, Tehsil Dadri,

District Gautam Buddha Nagar, UP 201314.

Telephone No. (0120) 3819 100, Extn 882

Mobile No. 9650862306 (during office hours only)

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