



Since 1962

NTU has been the premier institute of textile education in the country, meeting technical and managerial human resource needs of entire textile industry of Pakistan by establishing crucial link between university and the business world. NTU has strived to achieve the aim of imparting world class education while encouraging research and intellectual growth in the country. As a result, NTU has played a key role in setting high standards of academics and produced professionals to compete in the world. NTU imparts extraordinary academic and social skills among students to face challenges of the time and become the next generation of leaders believing in its motto "Innovate and Lead". NTU has close collaboration with the world renowned universities to promote research and innovation. The hallmark of NTU is that within a short period of 16 years, it is now among top universities of the country. On the face of fast changing and diverse world, NTU stands firm to offer new programmes in relevant, emerging fields for the people of Pakistan and the wider world.

Department of Applied Sciences of NTU, being one of the basic academic divisions of the University, has always been striving for the realization of this mandate. One manner of achieving this is to offer Ph.D. Chemistry Program, in addition to its specific tasks of undertaking basic, applied, and mission-oriented researches. The main objective of this degree is to create self-motivated chemists who can fulfill the demand of current challenging fields. This postgraduate degree is based on applied research to prepare students for professional career in research. In addition to that, the program provides a unique opportunity to graduates to strengthen their knowledge and work in multi-disciplines. Our researchers have also ability to help out different industry related problems through knowledge of education and research especially in the context of textile industry.

## PhD Chemistry

### Aims and Objectives

- To carry out research of international standard aimed to advance the global scientific and technological knowledge related to chemistry.
- To enhance the intellectual development of PhD graduates through creativity, analytical thinking, critical analysis, and innovative problems solving.
- To equip the students with advanced Chemistry techniques to solve indigenous problems of academia industrial organizations with a special focus on textile industry.
- To strengthen academia-professional-world bonding by tailoring the courses and trainings offered according to needs of employer and the society.

[www.ntu.edu.pk/ogsr](http://www.ntu.edu.pk/ogsr)

For an informal discussion about more study options, call Graduate Studies & Research Office at +92 41 9230081-85 (Ext-257-258) or email at [ogsr@ntu.edu.pk](mailto:ogsr@ntu.edu.pk)





### Eligibility Criteria

MS/M.Phil Chemistry or equivalent degree with minimum CGPA 3.00/4.00 or 3.50/5.00 in semester system or 60% marks in annual system.

- Candidate will have to pass NTU-GAT (Subject) test with minimum 70 marks.
- It is mandatory to pass interview in order to compete on merit.
- Applicant must not be already registered as a student in any other academic program in Pakistan or abroad.

### Merit Criteria

M.Phil / MS Chemistry	50 % weightage
M.Sc./BS Chemistry	30% weightage
Publications/relative experience	10 % weightage
Interview / Research Aptitude	10% weightage

### Study Duration

The minimum duration of study will be 3 years and maximum of 8 years as per HEC guidelines.

### Programme Structure

1 <sup>st</sup> Semester	9 Credit Hours	Course Work
2 <sup>nd</sup> Semester	9 Credit Hours	Course Work
Research Work	30 Credit Hours	
Total Credit Hours	48 Credit Hours	

### How to Apply

Apply online at [admissions.ntu.edu.pk](http://admissions.ntu.edu.pk)



### For More Information Please Contact or Visit:

Office of the Graduate Studies & Research, National Textile University, Faisalabad, Sheikhpura Road, Faisalabad.  
Ph. +92 41 9230081-82 (Ext.257-258) or email at [ogsr@ntu.edu.pk](mailto:ogsr@ntu.edu.pk) website: [www.ntu.edu.pk/ogsr](http://www.ntu.edu.pk/ogsr)