



*"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."*

## MS Textile Chemistry

MS Textile Chemistry Program aims to provide advanced training in all fields of textile chemistry like dyeing, printing and finishing with in depth knowledge of the chemicals being used in textile processing industry and their environmental implications. The students will be trained to conduct independent investigations of problems which textile processing industry of Pakistan is currently facing and find their solutions. The program emphasizes the development of students' potential for research and the technical and analytical skills needed for the design of new products and processes which are sustainable.

[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

16 years of education i.e., BS Textile Engineering in Textile Processing, BS or M.Sc Chemistry/Applied Chemistry/ Industrial Chemistry degree or its equivalent with a minimum of CGPA 2.00/4.00 in semester system or 60% in annual/term system from an HEC recognized institute/university.

The applicant must pass NTU-GAT (General) test conducted by National Textile University, as per HEC guidelines and adopted by Advanced Studies and Research Board of NTU, Faisalabad with a minimum of 50%cumulative score.

The applicant must not be already registered as a student in any other academic program in Pakistan or abroad.

### Merit Criteria

BS or Equivalent	60% weightage,
NTU-GAT (General)	30% weightage
Interview	10% weightage

### Semester-Wise Layout of Courses

<u>Semester-I</u> Course Title	<u>Credit Hours</u>
Chemistry of Dyes and Pigments	3
Chemistry of Fibrous Polymers	2
Surface Chemistry	2
Textile Auxiliaries	2
Advanced Analytical Techniques	3
<b>Semester-II</b>	
Coloration of Textiles	4
Functionalization of Textiles	4
Sustainability in Textiles	2
Research Methodology	2
<b><u>Semester-III &amp; IV</u></b>	6
Research Thesis	
<b><u>Total Credit Hours</u></b>	30
(24 credit hours of course work and 6 credit hours for research work/thesis)	

### Study Duration

The minimum duration of study will be 4 semesters and maximum of 8 semesters as per HEC guidelines.

### How to Apply

Apply online at [admissions.ntu.edu.pk](https://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](https://www.ntu.edu.pk/ogsr)