

Zhejiang Sci-Tech University
Research Master ' s Degree Program Outline
Textile Science and Engineering
082100

Textile science and engineering deals with the application of scientific and engineering principles to the design and control of all aspects of fiber, textile, and apparel processes, products, and machinery. These include the natural and man-made materials, interaction of materials with machines, safety and health, energy conservation, and waste and pollution control, etc. Textile science and engineering discipline of Zhejiang Sci-Tech University was approved to award Master and Doctor Degrees by the Academic Degree Committee of the State Council of China. It is one of the Top-Key Disciplines sponsored by government of Zhejiang Province, and has obtained remarkable achievements, won a great number of honors in the textile field. Within this discipline, there are three Key Laboratories, e.g. Advanced Textile & Manufacturing Technology of Ministry of Education, Engineering Research Center for Eco-Dyeing & Finishing of Textile of Ministry of Education, and Fiber Materials and processing Technology of Zhejiang Province, with advanced apparatus and equipment covering all aspects of textile science and engineering.

I. Objectives

- (1) Develop the friendship with People's Republic of China through learning and understanding the laws, system, society and culture, etc., of China.
- (2) Promote the capability of scientific research and professional work in textile area.
- (3) Master Chinese language, own the ability of using Chinese to read technical literature and professional exchange.

II. Research Areas

1. New technology of textile material manufacturing
2. Textile composites and industrial textiles
3. Advanced manufacturing technology of textiles & garments
4. Functional and smart textiles
5. Eco-dyeing & finishing and pollution control technology
6. Environment-friendly textile chemicals and green synthesis technology
7. Essential and theoretic research on textiles, textile engineering and technology
8. Textile machinery, quality control and testing technology

- 9.Functional technology and new fibers of dyeing & finishing
- 10.Fashion Digital Technology
- 11.Apparel Comfort and Functional Clothing
- 12.Fashion Enterprise Management

III. Length of Study

The normal study length for full-time research postgraduates is 3 years. Students who finish their courses ahead of schedule and attain the standards of degree conferment can, after approval, apply for the degree at an earlier time (not earlier than 3 years), while the maximum length of schooling is 4 years.

IV. Credit Requirements

The course-learning phase of the master ' s degree program adopts credit system. Students majored in science and engineering are required to take at least 33 credits, with at least 20 credits of degree courses; while students majored in arts, economics, management, law and education are required to take at least 35 credits, with 22 credits of degree courses.

V. Curriculum

Course Classification		Course Code	Course Name	Hour/ Credit	Semester			Notes
					I	II		
Degree courses	General degree courses	FL10015	The Outline of China*	36/2				(Entirely in English)
		CC10009	Basic Chinese (I)	54/3				(For beginners of Chinese language among foreign graduate students)
		CC10010	Basic Chinese (II)	36/2				(For beginners of Chinese language among foreign graduate students)
		FL10026	English Writing of Academic Paper	16/1				
		IF10001	Education on China's National Conditions for International Students A	16/1				

Others	Academic Seminar	/1	separated
	Academic Report	/1	separated
	Practical Training		Students are required to take at least 2 weeks practical training, participate in at least one social investigation, and write relevant report. Normally the training should be completed in the first academic year.
	Thesis Proposal		The 3rd semester
	Thesis Writing		The 3rd-6th semester

C=Compulsory, O=Optional

* Students can decide whether to take this optional course or not according to their different research area.

VI. Dissertation Requirement

Dissertation for academic master degree is an important part of the program of the master degree students. The purposes of the dissertation include training the postgraduate students to undertake scientific research and professional technical activities, promotion of student ' s ability of scientific innovation, and problem shooting, analysis and solution. The postgraduate students will be encouraged to undertake the scientific research projects organized by the supervisors. The dissertation is assumed to have important academic or practical application values with novel scientific ideas. Following are important points which should be observed to guarantee the quality of the dissertation:

- (1) The dissertation should put forwards novel scientific ideas on essential theory, calculation methods, testing technology and manufacturing processes, or solve some practice problem in technology or engineering with existed theory or new scientific and technical achievements. And the dissertation should have important academic or practical application values.
- (2) The postgraduate students need to select a research direction when entering the school with the help of supervisors, and determine the research project for dissertation after searching the literatures and performing investigation, etc. and then complete the dissertation opening report during the third semester(generally during week 9 to 10).
- (3) The postgraduate students should complete the dissertation independently under the instruction of supervisors.
- (4) The postgraduate students should meet the needs of paper publishing before the oral defense of the dissertation according to the Requirement of Publishing Papers for Master Degree Students of Zhejiang Sci-Tech University.

(5) The dissertation should be edited and printed by the computers with the format referring to the Criterion of the Dissertation for Academic Master Degree of Zhejiang Sci-Tech University.

VII. Teaching Format

Supervisors or a supervising group of teachers will tutor the postgraduate students for academic master degree.

VIII. Graduation & Degree Conferment

1. Students who attain the standards of graduation, having completed the required courses, passed the examinations within the study duration and successfully defended their thesis will be awarded the graduation certificate; those who attain the standards of academic degree conferment and are approved by the university academic degree evaluation committee, will be conferred the corresponding degree.

2. According to the relevant provisions of the Ministry of Education's "Quality Standards for Higher Education for International Students in China (Trial)", the Chinese language proficiency of Maser ' s graduates should reach at least Level 3 of the International Standards of Chinese Proficiency.

Signature of Program Director:

Signature of Director of School Academic Degree Committee:

Date: