Textile Technology Management

The Ph.D. in Textile Technology Management program is designed to educate students for research and management careers in textile technology management in the fiber, textile, apparel, retail and related industries complex, as well as for positions in government and academe.

Numerous competitive challenges are facing the global textile complex. There is a need for industry and government leaders who can provide knowledge of products, processes and business strategies to effectively position companies to compete in this global marketplace. The Ph.D. in Textile Technology Management program is designed to educate students for research and management careers in textile technology management in the fiber, textile, apparel, retail and related industries complex, as well as for positions in government and academe.

The graduates of this program are expected to play several roles in industry, government, and other institutions, including:

1. Carrying out research on issues that relate to the technologies of design, characterization, and manufacture of fibers and fibrous products, management of production and sourcing activities, marketing and distribution of products, international trade, and information requirements. The plethora of raw materials and product specific technologies extant in the industry coupled with the rapid rate at which these technologies are changing challenge students in the program to be innovative in approaches to product development, processes, and strategic business practices. Graduates assume positions in the industry with prime responsibilities for developing policy alternatives for strategic and long range planning.

2. Contributing to the teaching and research in institutions concerned with fiber, textile, apparel, and retail programs.

3. Developing policies at the highest level where broad technical and managerial expertise is required to ensure proper decision-making.

The educational objectives of the TTM Ph.D. program are two-fold:

1. To prepare managers for the research and technological enterprises within the fiber, textile, apparel, retail and related industries. To achieve this objective, the programs of study will be designed for each student to acquire and integrate knowledge of the materials and technologies used in the industrial complex by applying those quantitative, qualitative, and analytical techniques of management that would be most useful for their career goals.

2. To prepare graduates to be faculty members in the numerous international colleges and universities.

Admission Requirements

Students with a Master of Science (M.S.) degree in a related field may apply to the Textile Technology Management program. Typically the minimum acceptable overall grade point average (GPA) is a 3.0 out of 4.0, based on most current U.S. universities. Students without a master’s degree may also apply if met the following conditions:

1. the undergraduate degree from a well-known and robust research active program with a cumulative GPA of 3.5 or above;

2. strong recommendation letters from faculty adviser(s) indicating research experience or suggesting research potential; and

3. strong publication record/experience or extensive industry experience in related industry/profession.

Applicants should plan to take the GRE or GMAT examination, which is required for all applicants. The GRE/GMAT scores should be sent to NC State University electronically and be available online.

For International students, TOEFL or IELTS is required for the application. Students must rank in a competitive percentile in order to be considered for acceptance into NC State University and our department.

- TOEFL: A total score of 80+ on IBT. Minimum scores of 18 points for each section; or
- IELTS: An overall band score of 6.5+. Minimum scores of 6.5 points for each section

Scholarships and Assistantships

Competitive scholarships and assistantships from the program as well as the University are available to incoming new students. All incoming students will be considered for the funding opportunities. No separate application for assistantships/scholarships is needed.

Degrees

- Textile Technology Management (PhD) (http://catalog.ncsu.edu/graduate/textiles/textile-technology-management/textile-technology-management-phd/)

Full Professors

Roger Barker
Keith Beck
Timothy Clapp
Ahmed Mohamed El-Shafei
Shu-Cherng Fang
Harold Freeman
Tushar Ghosh
A. Blanton Godfrey
Russell Gorga
Maureen Grasso
Robert Handfield
Peter Hauser
David Hinks
Cynthia Istook
Warren Jasper
Byoungho Jin  
Jeffrey Joines  
Martin King  
Russell King  
Traci Lamar  
Karen Leonas  
Trevor Little  
Marquerite Moore  
Melissa Pasquinelli  
Behnam Pourdeyhimi  
Michael Rappa  
Jon Rust  
Abdel-fattah Mohamed Seyam  
Renzo Shamey  
Yingjiao Xu

**Associate Professors**  
Katherine Emma Annett-Hitchcock  
Pamela Banks-Lee  
Kristin Barletta  
Philip Bradford  
Emiel DenHartog  
Wei Gao  
Helmut Hergeth  
George Hodge  
Richard Kotek  
Wendy Krause  
Jerome Lavelle  
Lisa Parrillo-Chapman  
Lori Rothenberg  
Sonja Salmon  
Minyoung Suh  
Andre West

**Assistant Professors**  
Xiaomeng Fang  
Ericka Ford  
Jessica Gluck  
Delisia Matthews  
Robert Ormond  
Jane Porterfield  
Elizabeth Powell  
Eunkyoung Shim  
Januka Budhathoki Uprety  
Jamie Woodbridge  
Rong Yin  
Mengmeng Zhu

**Practice/Research/Teaching Professors**  
Nagendra Anantharamaiah  
Genevieve Garland  
Hechmi Hamouda  
Cassandra Kwon  
Benoit Maze  
Henry Nuttle

**Emeritus Faculty**  
Robert Barnhardt  
Subhash Batra  
Stephen Chapman  
Robert Donaldson  
Aly El-Shiekh  
Perry Grady  
Bhupender Gupta  
Thom Hodgson  
Stephen Margolis  
John McCreery  
Stephen Michielsen  
Gary Mock  
Mansour Mohamed  
William Oxenham  
Nancy Powell
Carl Smith
Gary Smith
Moon Won Suh
Charles Tomasino
James Wilson
Samuel Winchester

Adjunct Faculty
Genevieve Garland
Abhay Sham Joijode
Mohamad Samir Midani
Samuel Moore
Behnam Pourdeyhimi
Antony J. Williams
Julie Ann Willoughby
Bong-Yeol Yeom