

Textile Technology Management (PhD)

Degree Requirements

Code	Title	Hours
Qualifying Courses		12
TTM 710	Textile Technology Management	
TTM 785	Doctoral Research Methods	
TTM 750	Advances in Fabric Formation, Structure, and Properties	
TTM 731	Decision Models and Applications in Textile and Apparel Management	
Seminar Courses		2
TTM 801	Seminar ¹	
Additional Courses ²		6
"Additional Courses" are approved in conjunction with the academic committee		
Elective Courses		52
"Elective Courses" that will be applied to reach 72 credit hours will be determined in conjunction with the academic committee		
Total Hours		72

¹ All students must complete two (2) semesters of TTM 801 Seminar (which may be waived for students who have taken TC 601 Seminar, TE 601 Seminar, or TT 601 Seminar during their master's program at NC State).

² Additionally, all students need to take a minimum of two (2) additional courses, which should be selected with input from the advisory committee and can be part of an "official minor", which will require approval from the Minor Director of Graduate Programs, or can be courses chosen to provide a better foundation for the research work.

Additional Requirements

- A minimum of 72 credit hours is required of students entering the program with a B.S. degree, or a minimum of 54 credit hours beyond the M.S. degree is required. (Students, who enter the Ph.D. program directly upon completion of an M.S. at NC State, may be allowed credit for up to 30 hours of their M.S. and thus would require 42 additional credit hours to complete the Ph.D.) Most of these credit hours are expected to be research credits (TTM 893 Doctoral Supervised Research or TTM 895 Doctoral Dissertation Research).
- Following successful course completion, the student needs to pass the defense of a research proposal to obtain the candidacy for the Ph.D degree.
- The final examination is an oral exam where the student presents and defends her/his research procedures, results and conclusions. The presentation will be made to an examining committee consisting of the student's advisory committee and is open to interested faculty, staff and students. After the presentation the student will be orally examined by the examining committee. The final oral examination can be scheduled once all coursework requirements have been fulfilled and the committee is satisfied that the dissertation is complete, but not earlier than one semester after admission to candidacy.

- The anticipated time for completion of the Ph.D. program is four years for a student entering from a B.S. degree and three years for entry from an M.S. degree. The minimum time required (in exceptional cases) is two years beyond entry if the student obtained an M.S. degree from NC State.

Full Professor

Roger Barker

Philip Bradford

Lisa Chapman

Emiel DenHartog

Ahmed Mohamed El-Shafei

Shu-Cherng Fang

Tushar Ghosh

Rob Handfield

David Hinks

Warren Jasper

Byoungcho "Ellie" Jin

Jeff Joines

Martin King

Russell King

Traci Lamar

Jerome Lavelle

Karen Leonas

Marguerite Moore

Melissa Pasquinelli

Behnam Pourdeyhimi

Michael Rappa

Abdel-Fattah Seyam

Renzo Shamey

Kristin Thoney-Barletta

Andre West

Yingjiao Xu

Associate Professors

Ericka Ford

Wei Gao

Wendy Krause

Delisia Matthews

Bryan Ormond

Anne Porterfield

Erin Powell

Sonja Salmon

Eunyoung Shim

Minyoung Suh

Affiliate Faculty

Genevieve Garland

Research Faculty

Benoit Maze

Assistant Professors

Januka Budhathoki-Uprety

Xiaomeng Fang

Jessica Gluck

Amanda Mills

Tom Schroeder

Tova Williams

Janie Woodbridge

Rong Yin

Yang Zhang

Mengmeng Zhu

Emeritus Faculty

Kate Annett-Hitchcock

Harold Freeman

Blan Godfrey

Helmut Hergeth

George Hodge

Cindy Istook

Trevor Little

Stephen Magolis

John McCreery

Bill Oxenham

Adjunct Faculty

Julie Willoughby
