Textile Engineering

Degree Requirements Master of Science in Textile Chemistry (MS/TE)

The Masters of Science in Textile Engineering (MS TE) has two options, a thesis option (Option A) and a non-thesis option (Option B).

M.S. TE Option A (Thesis Degree) Program Requirements

MS TE Option A (Thesis) requires a minimum of 32 credit hours, with a minimum of 24 credit hours (8 courses) meeting the following requirements:

- At least 12 credit hours of courses with substantial engineering content, including courses with TE and TMS prefixes. Substitutions must be approved by the Director of Graduate Programs;
- A minimum of 15 credit hours of courses that are offered by the TECS Department, which may have the following prefixes: TC (PCC), TE, TMS, NW, TT, FPS, and TTM. Note: not all courses with these prefixes are offered by the TECS Department;
- Two semesters of TE601 (Graduate Seminar) are required;
- For the thesis a minimum of six hours of thesis related research is required (TE 695, TE693 or TE630).

Master’s Thesis. The Master’s thesis should be a research exercise that necessitates expertise at the M.S. level and is concentrated in the textile engineering area on a well-defined topic that has a restricted scope.

M.S. TE Option B (Non-Thesis Degree) Program Requirements

MS TE Option B (Non-Thesis) requires a minimum of 32 credit hours, with a minimum of 24 credit hours (8 courses) meeting the following requirements:

- At least 12 credit hours of courses with substantial engineering content, including courses with TE and TMS prefixes. Substitutions must be approved by the Director of Graduate Programs;
- A minimum of 15 credit hours of courses that are offered by the TECS Department, which may have the following prefixes: TC (PCC), TE, TMS, NW, TT, FPS, and TTM. Note: not all courses with these prefixes are offered by the TECS Department;
- Two semesters of TE601 (Graduate Seminar) are required;
- At least six credit hours of project-related work in textile engineering at the 600 level or above, such as TE 630 (Independent Study) or an internship, which will be advised by and evaluated by at least one Graduate Faculty Member in Textile Engineering.

Degrees

- Textile Engineering (MS) ([http://catalog.ncsu.edu/graduate/textiles/textile-engineering/textile-engineering-ms/](http://catalog.ncsu.edu/graduate/textiles/textile-engineering/textile-engineering-ms/))
- Textile Engineering (Minor) ([http://catalog.ncsu.edu/graduate/textiles/textile-engineering/textile-engineering-minor/](http://catalog.ncsu.edu/graduate/textiles/textile-engineering/textile-engineering-minor/))

Faculty

Full Professors

Roger L. Barker
Ahmed El-Shafei
Harold S. Freeman
David Hinks
Tushar K. Ghosh
Russell E. Gorga
Peter J Hauser
Samuel Mack Hudson
Warren J. Jasper
Jeffrey Allen Joines
Martin William King
Marian G. McCord
Behnam Pourdeyhimi
Jon Paul Rust
Renzo Shamey
Richard J. Spontak
Alan E. Tonelli
Xiangwu Zhang

Associate Professors

Pamela Banks-Lee
Philip Bradford
Emiel DenHartog
George Lawrence Hodge
Jesse Jur
Richard Kotek
Wendy E. Krause
Jerome Lavelle
Sonja Salmon
Nelson Vinueza
Assistant Professors
Januka Budhathoki-Uprety
Xiaomeng Fang
Ericka Ford
Wei Gao
Jessica Gluck
Bryan Ormand
Eunkyoung Shim
Mengmeng Zhu

Practice/Research/Teaching Professors
Raymond Earl Fornes
Hechmi Hamouda
Benoit Maze

Emeritus Faculty
Robert A. Barnhardt
Robert Alan Donaldson
Aly H. El-Shiekh
Raymond Earl Fornes
Perry L. Grady
Bhupender S. Gupta
Gary N. Mock
Mansour H. Mohamed
William Oxenham
Stephen Dean Roberts
Carl B. Smith
Moon Won Suh
Michael Herbert Theil

Adjunct Faculty
Gisela de Aragao Umbuzeiro