

Textile Chemistry

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

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

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

MS TC 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 **chemistry** content, mostly CH or TC, or from the approved TC offerings table. 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 TC601 (Graduate Seminar) are required;
- For the thesis a minimum of six hours of thesis related research is required (TC 695, TC693 or TC630).

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 chemistry area on a well-defined topic that has a restricted scope.

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

MS TC 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 **chemistry** content, mostly CH or TC, or from the approved TC offerings table. 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 TC601 (Graduate Seminar) are required;
- At least six credit hours of project-related work in textile chemistry at the 600 level or above, such as TC 630 (Independent Study) or an internship, which will be advised by and evaluated by at least one Graduate Faculty Member in Textile Chemistry.

Degrees

- Textile Chemistry (MS) (<http://catalog.ncsu.edu/graduate/textiles/textile-chemistry/textile-chemistry-ms/>)
- Textile Chemistry (Minor) (<http://catalog.ncsu.edu/graduate/textiles/textile-chemistry/textile-chemistry-minor/>)

Faculty

Full Professors

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

Associate Professors

Pamela Banks-Lee
 Phillip Bradford
 Emiel DenHartog
 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

Eunyoung Shim

Mengmeng Zhu

Practice/Research/Teaching Professors

Hechmi Hamouda

Benoit Maze

Emeritus Faculty

Robert Alan Donaldson

Aly H El-Shiekh

Perry L. Grady

Bhupender S. Gupta

Gary N. Mock

Mansour H. Mohamed

Carl B. Smith

Michael Herbert Theil

Charles Tomasino

Adjunct Faculty

Behnam Pourdeyhimi

Gisela de Aragao Umbuzeiro