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
Eunkyoung Shim
Mengmeng Zhu

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**Practice/Research/Teaching Professors**
Hechmi Hamouda
Benoit Maze

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**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

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**Adjunct Faculty**
Behnam Pourdeyhimi
Gisela de Aragao Umbuzeiro