

Department of Textile Engineering, Chemistry and Science

The Department of Textile Engineering, Chemistry and Science offers Bachelor of Science degrees in Polymer and Color Chemistry (<https://textiles.ncsu.edu/academics/undergraduate/polymer-and-color-chemistry/>), Textile Engineering (<https://textiles.ncsu.edu/academics/undergraduate/textile-engineering/>), and Textile Technology (<https://textiles.ncsu.edu/academics/undergraduate/textile-technology/>) as well as several minors. The department provides students with a career-ready, applied knowledge of the materials we use every day, from the polymers that make up fibers and dyes to the supply chain principles that deliver soft products to stores.

Department Highlights:

- Earn your master's degree in five years through our Accelerated Bachelor's/Master's program.
- Gain paid research experience in one of our 65+ cutting-edge labs.
- Apply for one of our college-specific scholarships, up to \$95,000 over four years.
- Study abroad with our recommended programs in the Czech Republic, France, Italy and more, designed to keep you on track to graduate on time.

For more information about our department, including contact information, visit our website (<https://textiles.ncsu.edu/tecs/>).

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Contact

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Faculty

Head

E. DenHartog, *Department Head*

W. Krause, *Interim Associate Head and Director of Undergraduate Programs*

N. Vinueza, *Associate Head and Director of Graduate Programs*

Named Professors

R. Barker, *Burlington Industries Distinguished Professor of Textile Technology*

T.K. Ghosh, *William A. Klopman Distinguished Professor*

D. Hinks, *Cone Mills Professor of Textile Chemistry*

B. Pourdeyhi, *William A. Klopman Distinguished Professor in Textiles*

R. Shamey, *Ciba Professor of Textile Chemistry*

X. Zhang, *Samuel S. Walker Distinguished Professor*

Professors

P. Bradford

E. DenHartog

A.M. El-Shafei

R. Farer

W.J. Jasper

J.A. Joines

M.W. King

J.P. Lavelle

N. Vinueza

Associate Professors

E. Ford

W. Gao

W.E. Krause

R.B. Ormond

S. Salmon

E. Shim

Assistant Professors

J. Budhathoki Uprety

X. Fang

J. Gluck

A. Mills

M.A. Quddus

T. Schroeder

T. Williams

R. Yin

Y. Zhang

M. Zhu

Assistant Research Professor

J. Shin

Assistant Teaching Professor

M. Smith

Postdoctoral Research Scholars

A. Girase

A. Kasebi

Adjunct Professors

R. Groten

J.R. Hahn

M. Hashem

F. Heim

A. Joijode

R. Raeisaenen

G. Umbuzeiro

Adjunct Assistant Professors

A.M. Abdelgawad

K. Arangdad

H. Boyter

N. Ingle

G. Montero

B. Oliver

E. Silva

J. Willoughby

Adjunct Associate Research Professors

M. Dasdemir

D. Griffis

Emeritus Named Professors

H. Freeman

W. Oxenham

Emeritus Professors

K. Beck

P. Hauser

S. Hudson

S. Michielsen

J. Rust

A. Tonelli

Emeritus Associate Professor

G. Hodge

Plans

- Polymer and Color Chemistry (BS): ACS Certification Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/polymer-color-chemistry-bs-accs-certification-concentration/>)
- Polymer and Color Chemistry (BS): Medical Sciences Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/polymer-color-chemistry-bs-medical-sciences-concentration/>)
- Polymer and Color Chemistry (BS): Science and Operations Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/polymer-color-chemistry-bs-science-operations-concentration/>)
- Polymer and Color Chemistry (Minor) (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/polymer-color-chemistry-minor/>)
- Polymer Science (Minor) (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/polymer-science-minor/>)
- Textile Engineering (BS): Chemical Processing Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/textile-engineering-bs-chemical-processing-concentration/>)
- Textile Engineering (BS): Information Systems Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/textile-engineering-bs-information-systems-concentration/>)
- Textile Engineering (BS): Product Engineering Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/textile-engineering-bs-product-engineering-concentration/>)
- Textile Technology (BS) (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/textile-technology-bs/>)
- Textile Technology (BS): Medical Textiles Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/textile-technology-bs-medical-textiles-concentration/>)

chemistry-science/textile-technology-bs-medical-textiles-concentration/)

- Textile Technology (BS): Supply Chain Operations Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/textile-technology-bs-supply-chain-operations-concentration/>)
- Textile Technology (BS): Technical Textiles Concentration (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/textile-technology-bs-technical-textiles-concentration/>)
- Textile Technology (Minor) (<http://catalog.ncsu.edu/undergraduate/textiles/textile-engineering-chemistry-science/textile-technology-minor/>)