

A Small, Friendly Department in a Large University

- Student to Faculty ratio of less than 10:1
- Faculty work closely with students and offer personalized mentoring and support
- NC State is the largest university in NC and offers all of the perks of a large university - athletics, student organizations, publications, arts, study-abroad programs, community service, diversity, career services
- Located on Centennial Campus - an award winning 1000 acre advanced technology community where university, government, and industry work together
- Hunt Library, located on Centennial Campus, is a state-of-the-art textile and engineering library
- Raleigh, NC is consistently ranked one of the best places to live in America

B.S. Degree Options

- Polymer and Color Chemistry (PCC)
- Textile Engineering (TE)
- Textile Technology (TT)
- Each degree offers 3 different concentrations
- Many students double major, minor, or co-minor - including interdisciplinary options

M.S. Degree Options

- Textile Chemistry (TC) - including an online option
- Textile Engineering (TE)
- Accelerated Bachelor's Master's option - complete a:
 - B.S. in PCC and an M.S. in TC in 5 years
 - B.S. in TE or TT and an M.S. in TE in 5 years

Ph.D. Degree Options - through College of Textiles (COT)

- Fiber and Polymer Science (FPS)
- Textile Technology Management (TTM)

Outstanding Faculty + Staff

- 31 faculty members and 5 staff members
- Of our 31 current faculty members, there are:
 - 14 NC State Academy of Outstanding Teachers
 - 3 NC State Alumni Distinguished Undergraduate Professors
 - 2 recipients of the Alumni Association Outstanding Extension and Outreach Award
 - 1 recipient of the Alumni Association Outstanding Research Award
 - 1 recipient of the Alumni Association Outstanding Teaching Award
 - 4 recipients of the Gertrude Cox Award for Innovative Excellence in Teaching and Learning with Technology Award
- 4 Associate Deans & 3 center directors

Strong Research Program

- TECS faculty & students publish > 100 peer-reviewed and conference research papers each year
- Many students win undergraduate research awards and several publish in peer-reviewed journals each year
- Research expenditures were > \$4 million for 2011-2012
- Dr. Al Tonelli is one of the 40 most prolific authors (#13 in 2007) in the polymer journal, *Macromolecules* [40,1,2007]
- Dr. Sam Hudson has one of the most cited research papers at NC State (> 1025 citations): "Stimuli-responsive polymers and their bioconjugates." *Eun Seok Gil and Samuel M. Hudson, Progress in Polymer Science, 29:1173-1222 (2004)*
- The Olney Medal, the top research award bestowed by the American Association for Textile Chemists and Colorists, has been won by four TECS faculty members in the last 10 years

Scholarships

- College of Textiles has more college-based scholarships per student than any other college at NC State
- Each year our students win Park Scholarships, Centennial Scholarships, and merit scholarships
- In 2012, PCC student, Ian Hill, was awarded the nation's most prestigious undergraduate scholarship, the Goldwater Scholarship
- Four TECS graduate students have won National Science Foundation (NSF) Graduate Research Fellowships recently
- One TE undergraduate student has received a Fulbright scholarship

Laboratory Facilities

- TECS and the College of Textiles house laboratories with capabilities including:
 - dye or polymer synthesis
 - color measurement
 - forensic & analytical testing
 - extrusion
 - weaving
 - knitting
 - braiding
 - dyeing
 - nonwovens (The Nonwovens Institute)
 - atmospheric pressure plasma treatments
 - smart textiles
 - imaging research
 - research & testing in protection and comfort (Textile Protection and Comfort Center)
 - instrumentation & controls
 - composites
- Zeis Textiles Extension includes pilot scale manufacturing facilities for production of yarns, woven and knitted fabrics, dyed goods, as well as physical and mechanical characterization and testing labs. This is unique at a Research I university.