Master of Textiles Degree Requirements

- Required: 30 credit hours at 500 level or above
- Optional: maximum of 12 credit hours outside of department

### Independent Study Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
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</thead>
<tbody>
<tr>
<td>TT 630</td>
<td>Independent Study in Textile Technology or TTM 632</td>
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<tr>
<td></td>
<td>Special Studies in Textile Product Development</td>
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Optional: maximum of two credit hours seminar

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<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>TT/TTM 601</td>
<td>Seminar</td>
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Optional: online courses

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
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<tbody>
<tr>
<td>TT 500</td>
<td>Understanding the Textile Complex</td>
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<tr>
<td>TT 503</td>
<td>Materials, Polymers, and Fibers used in Nonwovens</td>
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<tr>
<td>TT 504</td>
<td>Introduction to Nonwovens Products and Processes</td>
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<td>TT 505</td>
<td>Advanced Nonwovens Processing</td>
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<td>TT 507</td>
<td>Nonwoven Characterization Methods</td>
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<td>TT 508</td>
<td>Nonwoven Product Development</td>
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<tr>
<td>TT 520</td>
<td>Yarn Processing Dynamics</td>
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<tr>
<td>TT 521</td>
<td>Filament Yarn Production Processing and Properties</td>
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<tr>
<td>TT 549</td>
<td>Warp Knit Engineering and Structural Design</td>
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<tr>
<td>TT 550</td>
<td>Production Mechanics and Properties of Woven Fabrics</td>
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<tr>
<td>TT 551</td>
<td>Advanced Woven Fabric Design</td>
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<tr>
<td>TT 553</td>
<td>Formation and Structure of Woven and Knitted Fabrics</td>
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</table>

### Accelerated Bachelor's/Master's Degree Requirements

The Accelerated Bachelor's/Master's (ABM) degree program allows exceptional undergraduate students at NC State an opportunity to complete the requirements for both the Bachelor's and Master's degrees at an accelerated pace. These undergraduate students may double count up to 12 credits and obtain a non-thesis Master's degree in the same field within 12 months of completing the Bachelor's degree, or obtain a thesis-based Master's degree in the same field within 18 months of completing the Bachelor's degree.

This degree program also provides an opportunity for the Directors of Graduate Programs (DGPs) at NC State to recruit rising juniors in their major to their graduate programs. However, permission to pursue an ABM degree program does not guarantee admission to the Graduate School. Admission is contingent on meeting eligibility requirements at the time of entering the graduate program.
**Faculty**

**Professors**

Kristin A. Barletta  
A. Blanton Godfrey  
Byoungho Ellie Jin  
Traci A. M. Lamar  
Karen K. Leonas  
Marguerite Moore  
Lisa Parrillo-Chapman  
Abdel-fattah M. Seyam  
Yingjiao Xu

**Emeritus Professor**

Kate Annett-Hitchcock  
Robert A. Barnhardt  
Subhash K. Batra  
Nancy L. Cassill  
Aly El-Shiekh  
Maureen Grasso  
Cynthia L. Istook  
Trevor J. Little  
Nancy B. Powell  
Moon Won Suh  
Sam C. Winchester

**Assistant Professors**

Chanmi Gloria Hwang  
Kate Nartker  
Janie F. Woodbridge

**Associate Professors**

Helmut Hergeth  
Kavita Mathur  
Delisia Matthews  
Anne Porterfield

Minyoung Suh  
Andre J. West

**Adjunct Professors**

Yasir Nawab  
Jaap Schut  
Thomas Theyson  
Jim Watson

**Adjunct Assistant Professor**

Mohamad Midani

**Adjunct Associate Professors**

David A. Bruner  
Mike Fralix  
John Meng  
Mark Messura  
Terry G. Montgomery  
Sam B. Moore  
Nancy Webster

**Adjunct Lecturer**

Ellen L. Rohde

**Teaching Assistant Professors**

Lonny Langston Carter  
Emily C. Law  
Jessica Singleton

**Emeritus Associate Professor**

Lori Rothenberg  
Gary W. Smith