# Master of Textiles Degree Requirements

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
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<tbody>
<tr>
<td>TT 630</td>
<td>Independent Study in Textile Technology or TTM 632 Special Studies in Textile Product Development</td>
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<td></td>
<td><strong>Optional:</strong> maximum of two credit hours seminar</td>
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<tr>
<td>TT/TTM 601</td>
<td>Seminar</td>
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<td><strong>Optional:</strong> online courses</td>
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<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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<td>TT 520</td>
<td>Yarn Processing Dynamics</td>
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<td>TT 521</td>
<td>Filament Yarn Production Processing and Properties</td>
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<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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## Accelerated Bachelor’s/Master’s Degree Requirements

The Accelerated Bachelors/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
Katherine Annett-Hitchcock
Kristin A. Barletta
A. Blanton Godfrey
Maureen Grasso
Byoungho Ellie Jin
Traci A. M. Lamar
Karen K. Leonas
Pamela McCauley
Byoung-ho Ellie Jin
Traci A. M. Lamar
Karen K. Leonas
Pamela McCauley
Marguerite Moore
Lisa Parrillo-Chapman
Abdel-fattah M. Seyam
Yingjiao Xu

Emeritus Professor
Robert A. Barnhardt
Subhash K. Batra
Nancy L. Cassill
Aly El-Shiekh
Cynthia L. Istook
Trevor J. Little
Nancy B. Powell
Gary W. Smith
Moon Won Suh
Sam C. Winchester

Associate Professors
Helmut Hergeth
Kavita Mathur
Delisia Matthews
Anne Porterfield
Lori F. Rothenberg
Minyoung Suh
Andre J. West

Adjunct Professors
Jaap Schut
Thomas Theyson
Jim Watson

Adjunct Assistant Professors
Cassandra Kwon
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 Professor
Lonny Langston Carter

Assistant Professors
Kate Nartker
Janie F. Woodbridge

Research Assistant Professor
Shaghayegh Arangdad