

M.S. in Textile Engineering

This program is intended to develop the graduate student's knowledge in the advanced fields of textile science and engineering. Both students with undergraduate education in the fields of textile engineering, textile chemistry and textile sciences, and those with undergraduate experience in materials technology are welcome to pursue this program. The wide range of textile technology courses will prepare the student to make significant

contributions in either advanced manufacturing technology or textiles materials technology. The carefully integrated educational offerings at the University enable the student to be exposed to a wide range of professional education possibilities. A capstone experience is provided during the final semester.

FOUNDATION COURSES

The foundation courses, required by a student, will be determined at the time of admission by the program director.

CORE COURSES

15 CREDITS

- MT11 Fiber and Yarn Studies
- MT13 Coloration and Finishing Studies
- MT21 Analytical Methods
- MT51 Advanced Woven Structures
- MT52 Advanced Knitted Structures

ELECTIVES

12 CREDITS

(four courses to be chosen in consultation with the graduate advisor)

- FB13 Characterization of Fibrous Materials
- FB21 Mechanics of Materials
- FB22 Mechanics of Textiles
- FB24 Advanced Textile Composites
- FB25 Bio-materials Technology
- MT53 Advanced Non-Woven Structures
- MT55 Advanced Yarn Studies
- MT59 Product Evaluation
- MT62 Textile and Apparel Operations Management
- MT91 Quality Management
- MT98 Independent study

THESIS

9 CREDITS

- FB41 Research Thesis

TOTAL CREDIT HOURS

36 CREDITS