

# Fashion and Textile Design (BS): Textile Design Concentration

To see more about what you will learn in this program, visit the Learning Outcomes website (<https://apps.oirp.ncsu.edu/pgas/>)!

The B.S. in Fashion and Textile Design offers an excellent opportunity for students to pursue interests in Fashion Design and Textile Design Concentrations with a focus on designing innovative textile and fashion products utilizing the knowledge taught in Design Thinking, Textile Products Characteristics, Niche Market analysis, Color Science, Computer Aided Design, Drawing and Illustration and Senior Design. To gain global experience in the field, students study abroad for one semester in the junior year, in locations known for Fashion and Design Innovation and Creativity, such as France, England, Italy, the Czech Republic, Australia, China, and India.

The Textile Design Concentration focuses on developing technical skills and innovation to create textiles for such applications as home furnishings and apparel. Emphasis is placed on key textile design concepts in knitting, weaving, yarn, and surface design.

For more information about this program, visit our website (<https://textiles.ncsu.edu/tatm/fashion-and-textile-design/>).

Department of Textile and Apparel, Technology and Management  
North Carolina State University  
Campus Box 8301  
Raleigh, NC 27695-8301

## Contact

For answers to questions about the admissions process, please contact:

### Heather M. Lyerly

Director of Academic Services  
Wilson College of Textiles  
919.515.1177  
hemurphy@ncsu.edu

### Meggie Metcalf

Academic Advisor  
Wilson College of Textiles  
919.515.0596  
meggie\_metcalf@ncsu.edu

## Plan Requirements

Code	Title	Hours	Counts towards
<b>Orientation</b>			
T 101	Strategies for Success in the Wilson College of Textiles	1	
<b>Mathematics and Sciences</b>			
MA 131	Calculus for Life and Management Sciences A	3	

or MA 141	Calculus I	
MA 231	Calculus for Life and Management Sciences B	3
or MA 241	Calculus II	
CH 101	Chemistry - A Molecular Science	3
CH 102	General Chemistry Laboratory	1
PY 211	College Physics I	4
or PY 205 & PY 206	Physics for Engineers and Scientists I and Physics for Engineers and Scientists I Laboratory	
TMS 211	Introduction to Fiber Science	3

### Major Requirements

TT 105	Introduction to Textile Technology	3
TTM 106	Yarn Formation, Classification and Numbering Systems	1
FTM 217	The Textile Industry	3
FTD 200	Design Skills Workshop <sup>1</sup>	3
TT 252	Formation and Structure of Textile Fabrics <sup>1</sup>	4
FTD 201	Computer-Aided Textile Design and Color Studio <sup>1</sup>	6
FTM 282	Marketing Fundamentals in Textiles and Apparel	3
PCC 302	Technology of Textile Wet Processing	4
FTM 310	Entrepreneurship & New Product Development in Textiles	3
ADN 281	Drawing I	3
D 100	Design Inquiry I: Methods and Processes	3
D 101	Design Inquiry II: Methods and Processes	3

FTD 104	Fashion and Textile Design First Year Studio I	6
FTD 105	Fashion and Textile Design First Year Studio II	6

**Concentration Requirements**

FTD 373	Yarn Design Studio <sup>1</sup>	3
FTD 374	Surface Design and Texture	3
FTD 375	Woven Textile Design Studio I <sup>1</sup>	3
FTD 376	Knitted Textile Design Studio I <sup>1</sup>	3
FTD 475	Woven Textile Design Studio II	3
FTD 476	Knitted Textile Design Studio II	3
FTD 479	Senior Textile Design Studio	6

**18FTDFAS Advised Electives**

FTD Advised Elective (p. 2)	6
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**GEP Courses**

Acad Writing Research (p. 3) <sup>2</sup>	4
GEP Humanities ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/</a> )	6
GEP Social Sciences ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-social-sciences/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-social-sciences/</a> )	6
GEP Health and Exercise Studies ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/</a> )	2
GEP Additional Breadth ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/</a> ) (Humanities/Social Sciences/Visual and Performing Arts)	3
GEP U.S. Diversity ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-us-diversity/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-us-diversity/</a> ) (verify requirement)	
GEP Global Knowledge ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-global-knowledge/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-global-knowledge/</a> ) (verify requirement)	

Foreign Language Proficiency (<http://catalog.ncsu.edu/undergraduate/gep-category-requirements/foreign-language-proficiency/>) (verify requirement)

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**Total Hours** **120**

<sup>1</sup> C or better

**FTD Advised Elective**

Code	Title	Hours	Counts towards
FTM 220	Principles of Retailing and Supply Chain Management in Textiles	3	
FTM 310	Entrepreneurship & New Product Development in Textiles	3	
FTM 315	Fashion Product Design	3	
FTM 317	Computer Aided Fashion Design	3	
FTM 318	Fashion Development Processes	3	
FTM 320	Retail Merchandising in Fashion and Textiles	3	
FTM 380	Management and Control of Textile and Apparel Systems	3	
FTM 382	Brand Management in Textiles and Apparel	3	
FTM 384	Visual Merchandising Principles and Management	3	
FTM 385	Fashion and the Consumer	3	
FTM 387	Textile Brand Communications & Promotions	3	
FTM 400	Major Fashion Designers	3	
FTM 415	Fashion Product Development	3	
FTM 416	The Fashion Industry	3	
FTM 420	Retail Buying in Fashion and Textiles	3	

FTM 431	Quality Management and Control In Textile Manufacturing	3
FTM 460	Textile Market Research	3
FTM 480	Operations Management Decisions for Textiles	3
FTM 481	Product Costing in the Textile and Apparel Industry	3
FTM 482	Global Brand Management in Textiles and Apparel	3
FTM 483	Global Trade & Sourcing	3
FTM 484	Strategic Planning and Decision Making in the Textile and Fashion Industries	3
FTM 485	Textile Computer Integrated Enterprise	3
FTM 486	Supply Chain Management in the Textile Industry	3
FTM 487	Human Resource Management and Leadership in the Textile and Fashion Industries	3
FTM 490	Development Projects in Textile and Apparel Management	1-3
FTM 491	Special Topics in Textile and Apparel Management	1-4
FTM 494	International Industrial Internship in Textile Management	3
FTM 497	Senior Fashion Collection Studio	6
FTM 499	Textile Senior Project	4
PCC 201	Impact of Industry on the Environment and Society	3

TT 341	Knitted Fabric Technology	3
TT 380	Management and Control of Textile and Apparel Systems	3
TT 431	Quality Management and Control In Textile Manufacturing	3
TT 451	Advanced Woven Fabric Design	3
TT 480	Operations Management Decisions for Textiles	3
TT 485	Textile Computer Integrated Enterprise	3
TT 486	Supply Chain Management in the Textile Industry	3
TT 499	Textile Senior Project	4
TT 551	Advanced Woven Fabric Design	3

### Acad Writing Research

Code	Title	Hours	Counts towards
<b>Acad Writing Research</b>			
ENG 101	Academic Writing and Research	4	
FLE 101	Academic Writing and Research	4	
<b>Transfer Sequence</b>			
ENG 202	Disciplinary Perspectives in Writing	3	
ENG 1GEP	100 Level English Composition	3	

### Semester Sequence

This is a sample.

**Critical Path Courses:** Identify using the code (CP) which courses are considered critical path courses which represent specific major requirements that are predictive of student success in a given program/plan. Place the (CP) next to the credit hours for the course.

<b>First Year</b>		<b>Hours</b>
<b>Fall Semester</b>		
ENG 101	Academic Writing and Research <sup>1</sup>	4
TT 105	Introduction to Textile Technology	3
D 100	Design Inquiry I: Methods and Processes	3
FTD 104	Fashion and Textile Design First Year Studio I (CP)	6

T 101	Strategies for Success in the Wilson College of Textiles	1
<b>Hours</b>		<b>17</b>
<b>Spring Semester</b>		
D 101	Design Inquiry II: Methods and Processes	3
FTD 200	Design Skills Workshop <sup>2</sup>	3
MA 131	Calculus for Life and Management Sciences A	3
FTD 105	Fashion and Textile Design First Year Studio II (CP)	6
GEP Health and Exercise Studies ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/</a> )		1
<b>Hours</b>		<b>16</b>
<b>Second Year</b>		
<b>Fall Semester</b>		
FTD 201	Computer-Aided Textile Design and Color Studio (CP) <sup>2</sup>	6
FTM 217	The Textile Industry	3
PY 211	College Physics I	4
TTM 106	Yarn Formation, Classification and Numbering Systems	1
ADN 281	Drawing I	3
<b>Hours</b>		<b>17</b>
<b>Spring Semester</b>		
TMS 211	Introduction to Fiber Science	3
TT 252	Formation and Structure of Textile Fabrics (CP) <sup>2</sup>	4
FTD 373	Yarn Design Studio (CP) <sup>2</sup>	3
FTD 374	Surface Design and Texture (CP)	3
MA 231	Calculus for Life and Management Sciences B	3
GEP Health and Exercise Studies ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/</a> )		1
<b>Hours</b>		<b>17</b>
<b>Third Year</b>		
<b>Fall Semester</b>		
FTM 310	Entrepreneurship & New Product Development in Textiles	3
FTD 375	Woven Textile Design Studio I (CP) <sup>2</sup>	3
FTD 376	Knitted Textile Design Studio I (CP) <sup>2</sup>	3
CH 101	Chemistry - A Molecular Science	3
CH 102	General Chemistry Laboratory	1
GEP Humanities		3
<b>Hours</b>		<b>16</b>
<b>Spring Semester</b>		
FTD Advised Elective (p. 2)		3
FTM 282	Marketing Fundamentals in Textiles and Apparel	3
GEP Social Sciences ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-social-sciences/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-social-sciences/</a> )		3
FTD Advised Elective (p. 2)		3
<b>Hours</b>		<b>12</b>

**Fourth Year****Fall Semester**

FTD 475	Woven Textile Design Studio II	3
FTD 476	Knitted Textile Design Studio II	3
PCC 302	Technology of Textile Wet Processing	4
GEP Additional Breadth ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/</a> ) (Humanities/Social Sciences/Visual and Performing Arts)		3

**Hours 13****Spring Semester**

FTD 479	Senior Textile Design Studio	6
GEP Social Sciences ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-social-sciences/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-social-sciences/</a> )		3
GEP Humanities ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/</a> )		3

**Hours 12****Total Hours 120**<sup>1</sup> C- or better<sup>2</sup> C or better