

Fashion and Textile Design (BS): Fashion Design Concentration

Students in our B.S. in Fashion and Textile Design will choose to concentrate in either fashion or textile design.

In our Fashion Design concentration (<https://textiles.ncsu.edu/academics/undergraduate/fashion-design/>), you'll spend hours in the studio learning pattern design and garment construction using our state-of-the-art technology and cutting edge processes. You'll also learn ways to push the industry towards a more sustainable future with design practices that minimize waste.

In your senior year, you'll apply all of your experience to send a full collection down the runway.

Contact

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

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Plan Requirements

Code	Title	Hours
Orientation		
T 101	Strategies for Success in the Wilson College of Textiles	1
Mathematics and Sciences		
MA 131 or MA 141	Calculus for Life and Management Sciences A Calculus I	3
MA 231 or MA 241	Calculus for Life and Management Sciences B Calculus II	3
CH 101	Chemistry - A Molecular Science	3
CH 102	General Chemistry Laboratory	1
PY 211 or PY 205 & PY 206	College Physics I Physics for Engineers and Scientists I and Physics for Engineers and Scientists I Laboratory	4
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 ¹	3
TT 252	Formation and Structure of Textile Fabrics	4

FTD 201	Computer-Aided Textile Design and Color Studio ¹	6
FTM 282	Marketing and Brand Management 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 218	Fashion Illustration	3
FTD 215	Fashion Design 1 ¹	3
FTD 216	Fashion Workroom Practices ¹	3
FTM 317	Computer Aided Fashion Design ¹	3
FTD 321	Fashion Design by Draping ¹	3
FTD 419	Fashion Design 2	3
FTD 498	Senior Fashion Design Studio	6

18FTDFAS Advised Electives

FTD 420	Fashion Collection Preparation (or FTDFAS Advised Elective)	3
FTDFAS Advised Elective (p. 1)		3

GEP Courses

Acad Writing Research (p. 2) ²		4
GEP Humanities (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/)		6
GEP Social Sciences (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-social-sciences/)		6
GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		2
GEP Elective (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/)		3
GEP Global Knowledge (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-global-knowledge/) (verify requirement)		
GEP Foundations of American Democracy (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-fad/) (verify requirement)		
World Language Proficiency (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/world-language-proficiency/) (verify requirement)		

Total Hours **120**

¹ C or better

² C- or better

FTDFAS Advised Elective

Code	Title	Hours
FTD 420	Fashion Collection Preparation	3
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
Acad Writing Research		
ENG 101	Academic Writing and Research	4
WLEN 101	Academic Writing and Research	4
Transfer Sequence		

ENG 202	Disciplinary Perspectives in Writing	3
ENG 1GEP		3

Semester Sequence

This is a sample.

First Year

Fall Semester		Hours
ENG 101	Academic Writing and Research ¹	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	6
T 101	Strategies for Success in the Wilson College of Textiles	1
Hours		17

Spring Semester

D 101	Design Inquiry II: Methods and Processes	3
FTD 200	Design Skills Workshop ²	3
MA 131	Calculus for Life and Management Sciences A	3
FTD 105	Fashion and Textile Design First Year Studio II	6
GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		1
Hours		16

Second Year

Fall Semester

FTD 201	Computer-Aided Textile Design and Color Studio ²	6
FTD 215	Fashion Design 1 ²	3
PY 211	College Physics I	4
TTM 106	Yarn Formation, Classification and Numbering Systems	1
ADN 281	Drawing I	3
Hours		17

Spring Semester

FTD 216	Fashion Workroom Practices ²	3
FTM 217	The Textile Industry	3
TT 252	Formation and Structure of Textile Fabrics	4
GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		1
FTD 218	Fashion Illustration	3
FTM 317	Computer Aided Fashion Design ²	3
Hours		17

Third Year

Fall Semester

CH 101	Chemistry - A Molecular Science	3
CH 102	General Chemistry Laboratory	1
MA 231	Calculus for Life and Management Sciences B	3
TMS 211	Introduction to Fiber Science	3

FTD 321	Fashion Design by Draping ²	3
GEP Elective (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/)		3
Hours		16
Spring Semester		
FTD Advised Elective (p. 1)		3
GEP Social Sciences (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-social-sciences/)		3
FTM 282	Marketing and Brand Management Fundamentals in Textiles and Apparel	3
FTD Advised Elective (p. 1)		3
Hours		12
Fourth Year		
Fall Semester		
FTD 419	Fashion Design 2	3
FTM 310	Entrepreneurship & New Product Development in Textiles	3
PCC 302	Technology of Textile Wet Processing	4
GEP Humanities (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/)		3
Hours		13
Spring Semester		
FTD 498	Senior Fashion Design Studio	6
GEP Social Sciences (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-social-sciences/)		3
GEP Humanities (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/)		3
Hours		12
Total Hours		120

¹ C- or better

² C or better

Career Opportunities

Do you dream of creating your own fashion brand and becoming the next designer to capture the world's attention? That's certainly possible with our FTD degree, especially considering NC State's reputation for entrepreneurship (<https://entrepreneurship.ncsu.edu/news/2021/11/16/nc-state-ranked-no-1-entrepreneurship-program-in-the-southeast/>).

But you don't have to strike out on your own to make your mark as a fashion designer. Our graduates also design for leading brands ranging from The North Face to Belk to Anthropologie.

Other alumni even apply their fashion knowledge to become stylists or magazine editors. With a \$3 trillion industry, the opportunities are endless.

Career Titles

- Creative Director: Use trend and market research and creative vision to develop the amount and type of garment that will be designed as well as the aesthetic concepts that will drive that design.
- Assistant/Associate Designer: Develop patterns and sketches for garments that fit within the creative director's vision.
- 3D/CAD Artist: Interpret inspiration and design sketches into computer-aided designs that can be used to help product

development team in fit prototyping and maintain digital catalog of brand designs.

- Costume Designer: Design, develop garments for use in television, movie and stage productions.
- Fashion Stylist: Apply the creative process principles of market research to develop looks for their clients that are both on trend and fit within that public figure's personal brand.
- Fashion Editor: Apply skills in market and trend research to develop and select looks for editorial photoshoots in fashion publications.
- Fashion Influencer/Blogger

Learn More About Careers

NCCareers.org (<https://nccareers.org/>)

Explore North Carolina's central online resource for students, parents, educators, job seekers and career counselors looking for high quality job and career information.

Occupational Outlook Handbook (<https://www.bls.gov/ooh/>)

Browse the Occupational Outlook Handbook published by the Bureau of Labor Statistics to view state and area employment and wage statistics. You can also identify and compare similar occupations based on your interests.

Career One Stop Videos (<https://www.careeronestop.org/>)

View videos that provide career details and information on wages, employment trends, skills needed, and more for any occupation. Sponsored by the U.S. Department of Labor.

Focus 2 Career Assessment (<https://careers.dasa.ncsu.edu/explore-careers/career-assessments/>) (NC State student email address required) This career, major and education planning system is available to current NC State students to learn about how your values, interests, competencies, and personality fit into the NC State majors and your future career. An NC State email address is required to create an account. Make an appointment with your career counselor (<https://careers.dasa.ncsu.edu/about/hours-appointments/>) to discuss the results.

Focus 2 Apply Assessment (<https://www.focus2career.com/Portal/Register.cfm?SID=1929>) (Available to prospective students)

A career assessment tool designed to support prospective students in exploring and choosing the right major and career path based on your unique personality, interests, skills and values. Get started with Focus 2 Apply and see how it can guide your journey at NC State.