

# Fashion and Textile Management (BS): Fashion Development and Product Management Concentration

If you're looking for a hands-on program that provides you with both design experience and business know-how, our Fashion Development and Product Management (<https://textiles.ncsu.edu/academics/undergraduate/fashion-development-and-product-management/>) (FDPM) program at the Wilson College of Textiles may be for you. FDPM is one of two concentrations students majoring in Fashion and Textile Management can choose to focus on during their time at the Wilson College of Textiles.

Courses in our state-of-the-art fashion studios and labs will provide you with the opportunity to build a portfolio and learn to build ready-to-wear collections for customers. You'll also develop industry knowledge about the manufacturing, logistics and marketing that take a product from a designer's idea to your online cart.

## Contact

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

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## 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 114	Introduction to Finite Mathematics with Applications	
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	

### Major Requirements

ACC 210	Concepts of Financial Reporting	3
BUS 320	Financial Management	3
FTM 217	The Textile Industry	3
FTM 220	Principles of Retailing and Supply Chain Management in Textiles	3
FTM 282	Marketing and Brand Management Fundamentals in Textiles and Apparel	3
FTM 310	Entrepreneurship & New Product Development in Textiles	3
FTM 385	Fashion and the Consumer	3
FTM 408	Sustainability in Fashion, Textiles and Retail	3
FTM 416	The Fashion Industry	3
TMS 211	Introduction to Fiber Science	3
PCC 302	Technology of Textile Wet Processing	4
TT 105	Introduction to Textile Technology	3
TTM 106	Yarn Formation, Classification and Numbering Systems	1

TT 252	Formation and Structure of Textile Fabrics	4
Select one of the following:		3
ARE 201	Introduction to Agricultural & Resource Economics	
ARE 201A	Introduction to Agricultural & Resource Economics	
EC 201	Principles of Microeconomics	
EC 202	Principles of Macroeconomics	3
ST 311	Introduction to Statistics	3
or ST 370	Probability and Statistics for Engineers	
ENG 332	Communication for Business and Management	3
or ENG 331	Communication for Engineering and Technology	
or ENG 333	Communication for Science and Research	

**Concentration Requirements**

FTM 219	Fashion Product Analysis	3
FTM 271	Computer-Aided Textile Design	3
FTM 315	Fashion Product Design	3
FTM 317	Computer Aided Fashion Design	3
FTM 318	Fashion Development Processes	3
FTM 415	Fashion Product Development	3

FDPM Electives (p. 2)	9
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**GEP Courses**

Acad Writing Research (p. 3) <sup>1</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> )	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> )	2

GEP Elective ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/</a> )	3
GEP Interdisciplinary Perspectives ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/</a> )	5
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)	
World Language Proficiency ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/world-language-proficiency/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/world-language-proficiency/</a> ) (verify requirement)	

<b>Free Electives</b>	
Free Elective <sup>2</sup>	1
<b>Total Hours</b>	<b>120</b>

<sup>1</sup> C- or better  
<sup>2</sup> Students should consult their academic advisors to determine which courses fill this requirement.

**FDPM Electives**

Code	Title	Hours	Counts towards
ADN 111	Introduction to Two-Dimensional Design	3	
ADN 112	Introduction to Three-Dimensional Design	3	
ADN 414	Color and Light	3	
FTM 320	Retail Merchandising in Fashion and Textiles	3	
FTM 380	Management and Control of Textile and Apparel Systems	3	
FTM 387	Textile Brand Communications & Promotions	3	
FTM 400	Major Fashion Designers	3	
FTM 420	Retail Buying in Fashion and Textiles	3	
FTM 431	Quality Management and Control In Textile Manufacturing	3	

FTM 480	Operations Management Decisions for Textiles	3
FTM 481	Product Costing in the Textile and Apparel Industry	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 497	Senior Fashion Collection Studio	6
MT 323	Introduction to Theory and Practice of Medical Fiber and Yarn Formation	3
MT 366	Biotech Product Development	3
MT 381	Medical Textile and the Regulatory Environment	3
PCC 201	Impact of Industry on the Environment and Society	3
TT 331	Performance Evaluation of Textile Materials	4
TT 380	Management and Control of Textile and Apparel Systems	3
TT 431	Quality Management and Control In Textile Manufacturing	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
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### Acad Writing Research

Code	Title	Hours	Counts towards
<b>Acad Writing Research</b>			
ENG 101	Academic Writing and Research	4	
WLEN 101	Academic Writing and Research	4	

<b>Transfer Sequence</b>			
ENG 202	Disciplinary Perspectives in Writing	3	
ENG 1GEP		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.

#### First Year

<b>Fall Semester</b>			<b>Hours</b>
EC/ARE 201	Principles of Microeconomics		3
ENG 101	Academic Writing and Research		4
MA 131	Calculus for Life and Management Sciences A		3
TT 105	Introduction to Textile Technology		3
T 101	Strategies for Success in the Wilson College of Textiles		1
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

**Hours 15**

#### Spring Semester

CH 101	Chemistry - A Molecular Science	3
CH 102	General Chemistry Laboratory	1
MA 231	Calculus for Life and Management Sciences B	3
FTM 217	The Textile Industry (CP)	3
FTM 219	Fashion Product Analysis	3
FTM 271	Computer-Aided Textile Design	3

**Hours 16**

#### Second Year

<b>Fall Semester</b>		
TMS 211	Introduction to Fiber Science	3
ACC 210	Concepts of Financial Reporting	3
FTM 220	Principles of Retailing and Supply Chain Management in Textiles	3
FTM 315	Fashion Product Design	3

FTM 317	Computer Aided Fashion Design	3
<b>Hours</b>		<b>15</b>
<b>Spring Semester</b>		
TTM 106	Yarn Formation, Classification and Numbering Systems	1
PY 211	College Physics I	4
EC 202	Principles of Macroeconomics	3
FTM 282	Marketing and Brand Management Fundamentals in Textiles and Apparel (CP)	3
FTM 318	Fashion Development Processes	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>15</b>
<b>Third Year</b>		
<b>Fall Semester</b>		
ST 311	Introduction to Statistics	3
TT 252	Formation and Structure of Textile Fabrics	4
BUS 320	Financial Management	3
FTM 385	Fashion and the Consumer	3
FTM 415	Fashion Product Development	3
<b>Hours</b>		<b>16</b>
<b>Spring Semester</b>		
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
GEP Elective ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/</a> )		3
ENG 332	Communication for Business and Management	3
FTM 408	Sustainability in Fashion, Textiles and Retail	3
FTM 310	Entrepreneurship & New Product Development in Textiles	3
<b>Hours</b>		<b>15</b>
<b>Fourth Year</b>		
<b>Fall Semester</b>		
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
GEP Interdisciplinary Perspectives ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/</a> )		3
FDPM Electives (p. )		6
PCC 302	Technology of Textile Wet Processing	4
<b>Hours</b>		<b>16</b>
<b>Spring Semester</b>		
FDPM Electives (p. )		3
GEP Interdisciplinary Perspectives ( <a href="http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/">http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/</a> )		2
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
Free Elective		1

FTM 416	The Fashion Industry	3
<b>Hours</b>		<b>12</b>
<b>Total Hours</b>		<b>120</b>

## Career Opportunities

Because of their broad range of knowledge and experience, our FDPM graduates become valuable candidates for jobs all along the fashion and apparel supply chain. Nike, Gap, Kohl's, Under Armour, Target, Adidas, Natick, and Abercrombie & Fitch are just some of the household brands that frequently hire our students in technical design, production and research capacities.

## Career Titles

- Fashion Technical Designer/Product Developer: Member of a team that takes a product from concept to sales, including research and ideation, development, marketing, inventory and production.
- Fashion Product Manager: Create and execute a fashion product vision by overseeing a team of fashion technical designers/product developers.
- Fashion Planner: Analyze sales performance of store products and predict customer behavior to help a retailer determine when to drop, expand or alter a product line.
- Fashion Buyer: Combine industry knowledge, consumer research and creativity to decide what clothes, accessories footwear and other items retailers sell.
- Fashion 3D Developer: Use 3D Computer-Aided Design (CAD) technology to design garments and perfect their draping and fit to ready them for manufacturing and production.
- Fashion Merchandiser: Analyze data and conduct market research to optimize store layouts and displays, set item prices and manage product stock in order to maximize store profits.
- Fashion Stylist/Editor: Apply trend forecasting and principles of market research to develop looks for clients that are both on trend and fit within that public figure's personal brand.

## 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.