

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

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

The Fashion Development and Product Management concentration of the Fashion and Textile Management degree focuses on the design and manufacture of apparel and textile products for both functional and fashion end uses. Courses cover the fundamentals of product development for apparel and textiles, with a strong emphasis on technology. This concentration provides students with knowledge of sewing, flat pattern making and draping, computer-aided design, and apparel line development and production. Students work actively with industry to address timely challenges in product design and development for textiles and apparel.

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

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Contact

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

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Plan Requirements

Code	Title	Hours	Counts towards
Orientation			
T 101	Strategies for Success in the Wilson College of Textiles	1	
Mathematics and Sciences			

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 Fundamentals in Textiles and Apparel	3
FTM 310	Entrepreneurship & New Product Development in Textiles	3
FTM 382	Brand Management in Textiles and Apparel	3
FTM 385	Fashion and the Consumer	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

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GEP Courses

Acad Writing Research (p. 3) ¹	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/)	3

GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)	2
GEP Additional Breadth (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/) (Humanities/Social Sciences/Visual and Performing Arts)	3
GEP Interdisciplinary Perspectives (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/)	5
GEP U.S. Diversity (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-us-diversity/) (verify requirement)	
GEP Global Knowledge (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-global-knowledge/) (verify requirement)	
Foreign Language Proficiency (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/foreign-language-proficiency/) (verify requirement)	
Free Electives	
Free Elective ²	1
Total Hours	120

¹ C- or better

² Students should consult their academic advisors to determine which courses fill this requirement.

FD & PM 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	Biotextile 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

Acad Writing Research

Code	Title	Hours	Counts towards
Acad Writing Research			
ENG 101	Academic Writing and Research	4	
FLE 101	Academic Writing and Research	4	

Transfer Sequence			
ENG 202	Disciplinary Perspectives in Writing		
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.

First Year			Hours
Fall Semester			
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 (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)			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
TMS 211	Introduction to Fiber Science		3

FTM 220	Principles of Retailing and Supply Chain Management in Textiles	3
Hours		16

Second Year**Fall Semester**

ACC 210	Concepts of Financial Reporting	3
EC 202	Principles of Macroeconomics	3
PY 211	College Physics I	4
TTM 106	Yarn Formation, Classification and Numbering Systems	1
FTM 219	Fashion Product Analysis (CP)	3
GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		1
Hours		15

Spring Semester

BUS 320	Financial Management	3
TT 252	Formation and Structure of Textile Fabrics	4
FTM 271	Computer-Aided Textile Design	3
FTM 282	Marketing Fundamentals in Textiles and Apparel (CP)	3
FTM 315	Fashion Product Design (CP)	3
Hours		16

Third Year**Fall Semester**

PCC 302	Technology of Textile Wet Processing	4
ST 311	Introduction to Statistics	3
FTM 385	Fashion and the Consumer	3
FTM 317	Computer Aided Fashion Design (CP)	3
FTM 310	Entrepreneurship & New Product Development in Textiles	3
Hours		16

Spring Semester

GEP Humanities (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/)		3
GEP Additional Breadth (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/) (Humanities/Social Sciences/Visual and Performing Arts)		3
FTM 318	Fashion Development Processes (CP)	3
ENG 332	Communication for Business and Management	3
FTM 382	Brand Management in Textiles and Apparel	3
Hours		15

Fourth Year**Fall Semester**

FTM 416	The Fashion Industry	3
FTM 415	Fashion Product Development	3
GEP Interdisciplinary Perspectives (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/)		3
FD & PM Electives (p. 2)		3
GEP Humanities (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/)		3
Hours		15

Spring Semester

FTM 497	Senior Fashion Collection Studio	6
GEP Social Sciences (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-social-sciences/)		3
GEP Interdisciplinary Perspectives (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-interdisciplinary-perspectives/)		2
Free Elective		1
Hours		12
Total Hours		120