# APPAREL, MERCHANDISING, AND DESIGN

Administered by the Department of Apparel, Events, and Hospitality Management. Leading to the degree bachelor of science.

Total credits required: 123 including a minimum of 18 credits in AMD at lowa State University for the degree (12 of the 18 credits must be at the 300-400 level). The major in apparel, merchandising, and design provides a broad-based program of study with flexibility in creating program options. Courses are required in general education and the apparel industry professional core. To complete the program, a student selects a primary option from design, product development and innovation, merchandising and retail analytics, or fashion communication.

Minors and a certificate are available in apparel, merchandising, and design: (a) textile science and product performance or (b) a textile design minor in collaboration with the College of Design; and a merchandising certificate.

## **Student Learning Outcomes**

Upon graduation, students should be able to:

- Communication. Use clear and effective written, oral, verbal and electronic (WOVE) communication techniques to foster inquiry, collaboration, and engagement in apparel and related industries.
- Self-assessment/self-reflection. Analyze and evaluate one's own knowledge, abilities, and actions relative to professional standards, seek opportunities to grow professionally, and utilize self-assessment and assessment of others to foster psychological, cognitive, social and emotional well-being.
- Critical thinking. Understand fundamental concepts of apparel, merchandising, and design and apply critical thinking to solve problems from personal, scholarly, and professional perspectives.
- Ethics, Diversity, and Social Responsibility. Demonstrate leadership and social justice to improve quality of life for global citizens and encourage socially responsible decision-making for consumers and businesses.

# **UNDERGRADUATE STUDY**

The program offers study for the degree of Bachelor of Science with a major in apparel, merchandising, and design (AMD). The program offers students a broad understanding of textile and apparel products, merchandising and marketing strategies, technical and creative design, product development, production processes, and business practices leading to a wide range of careers at state, national, and international levels in business and industry. Courses in the program provide scientific, technical, and humanistic knowledge about textiles, apparel, and related products basic to career preparation. Courses also provide knowledge applicable to the development and use of apparel and textile products by individuals, families, and institutions. The program provides a foundation for graduate study. Graduates understand the production, distribution, and use of textiles and apparel, aesthetic expression, and communication. They are prepared to plan, develop, source and present textile and apparel products to meet the needs of consumers. Students understand the issues involved in textile and apparel production and marketing, both nationally and internationally.

The AMD major provides a broad-based program of study with flexibility in creating an individualized program. To complete the program, a student combines general education, AMD core classes, and a structure of focused courses to form an option in: (a) creative and technical design, (b) fashion communication, (c) product development and innovation, or (d) merchandising and retail analytics.

An option in creative and technical design is appropriate for those interested in the aesthetic and creative aspects of design, technical design, costuming, textile design, and product development. The fashion communications option prepares students for the development and delivery of visual, written, and oral communication. Career opportunities are in visual merchandising, styling, fashion influencing, social media, and communication. An option in product development and innovation is appropriate for those interested in developing innovative products for special markets including accessories, footwear, performance wear, smart textiles, functional apparel, and soft-goods for home. Career opportunities include designer, materials testing, quality assurance, and technical design. An option in merchandising and retail analytics prepares students for the planning, promotion, and presentation of marketoriented product lines and events. Career opportunities are in buying, promotion, sales, product development, branding, and management in both manufacturing and retailing sectors with a focus on the textile and apparel industry.

For additional courses of interest, see Apparel, Events, and Hospitality Management.

## **GRADE POINT REQUIREMENT**

All students majoring in apparel, merchandising, and design are required to earn a C- or better in all AESHM and AMD courses applied toward the degree, including transfer credits.

# COMMUNICATION PROFICIENCY REQUIREMENT

Undergraduate English proficiency is certified when the student has received a grade of C or better in ENGL 150 Critical Thinking and Communication, and ENGL 250 Written, Oral, Visual, and Electronic Composition.

# Curriculum in Apparel, Merchandising, and Design

Administered by the Department of Apparel, Events, and Hospitality Management (AESHM). Leading to the degree bachelor of science.

Total credits required: 123, including a minimum of 18 credits in AMD at lowa State University for the degree (12 of the 18 credits must be at the 300-400 level). Leads to the degree Bachelor of Science. Administered by the AESHM Department. All students majoring in Apparel, Merchandising, and Design (AMD) are required to earn a C- or better in all AMD, AESHM, EVENT, and HSP M courses applied toward the degree, including transfer credits. All students majoring in Apparel, Merchandising, and Design (AMD) are required to earn a C or better in ENGL 150 and ENGL 250. No courses may be applied to more than one degree requirement except those used to meet US Diversity and International Perspective requirements.

Cr. Degree Requirements

#### **Communications Skills**

ENGL 150	Critical Thinking and Communication	3
ENGL 250	Written, Oral, Visual, and Electronic Composition	3
LIB 160	Introduction to College Level Research	1
Select one (1) co	urse:	3
COMST 210	Communication and U.S. Diversity	
COMST 214	Professional Communication	
COMST 218	Conflict Management	
SP CM 212	Fundamentals of Public Speaking	
Total Credits		10

## **Mathematics and Science Disciplines**

	Total Credits		9-12				
	STAT 226	Introduction to Business Statistics I					
	STAT 104 Introduction to Statistics						
	STAT 101 Principles of Statistics						
Select one (1) course:							
and CHEM 163L.							
development, and product innovation options must take CHEM 163							
Select from natural sciences. Creative and technical design, product 3							
	Mathematics (MA	ATH 150 recommended for merchandising)	3				

## **Social Sciences and Humanities**

ECON 101	Principles of Microeconomics	3
A M D 165	Dress, Appearance, and Diversity in U.S. Society	3
A M D 356	Euro-American Dress History: Mid-19th Century to	3
	the Present	
History/Art Histo	ry (creative and tech design: ABT H Bequired)	3

Select one (1) cou	Irco.	3
A M D 354	Euro-American Dress History: Prehistoric to Mid-19th Century	3
A M D 362	Cultural Perspectives of Global Dress	
A M D 366X	History of Menswear	
A M D 458	Queer Fashions: History, Culture, and the Industry	
A M D 462X	Black Lives Matter. Fashion, Liberation, and the Fight for Freedom	
College of Libe courses	ral Arts & Sciences list of Arts and Humanities	
College of Libe	ral Arts & Sciences list of Social Science courses	
Total Credits		15
	ssional Development	
AESHM 111	Professional Development for AESHM	1
AESHM 111L	AESHM Program Orientation and Learning Community	1
AESHM 211	Leadership Experiences and Development (LEAD)	3
AESHM 311N	Seminar on Careers and Internships: Apparel, Merchandising, and Design	1
AESHM 470MX or AESHM 470N	Supervised Professional Internship: Apparel (Out- of-state) or Supervised Professional Internship: Apparel	3-6
And select thre	ee (3) credits from:	
AESHM 170N	Supervised Work Experience I: Apparel	
AESHM 180N	First Year Student Field Study: Apparel, Merchandising, and Design	
AESHM 280	Orientation to U.S. Field Study	
AESHM 281	Orientation to International Field Study	

**Total Credits** 

AESHM 287

AESHM 421

9-12

#### **AMD Integrated Core**

A M D 131	Fashion Products and Markets	3
A M D 204	Textile Science	4
A M D 210	Computer Applications in Digital Design	3
A M D 231	Product Development and Manufacturing	4
A M D 245	Aesthetics and Brand Image	3

AESHM 270N Supervised Work Experience II: Apparel

Design

and Design

Potential

AESHM 380N U.S. Field Study: Apparel, Merchandising, and

AESHM 381N International Field Study: Apparel, Merchandising,

Principles of Management in Human Sciences

Developing Global Leadership: Maximizing Human

Total Credits		26
COM S 113	Introduction to Spreadsheets and Databases	3
A M D 372	Sourcing and Global Issues	3
A M D 275	Retail Merchandising	3

# **Primary Options**

Select one AMD professional primary option from the following four choices:

# Creative and Technical Design Primary Option

A M D 121	Apparel Assembly Processes	4
A M D 178	Introduction to Apparel Design Studio	3
A M D 225	Patternmaking I: Drafting and Flat Pattern	3
A M D 278	Fashion Illustration	3
A M D 310	Computer Aided Apparel Patternnmaking	3
A M D 321	Computer Integrated Textile and Fashion Design	3
A M D 325	Patternmaking II: Draping	3
A M D 329	Digital Textile Printing for Apparel Design	3
A M D 415	Technical Design Processes	3
A M D 495	Senior Design Studio	3
Select one (1) co	urse:	3
A M D 305	Quality Assurance of Textiles and Apparel	
A M D 404	Innovative Textiles	
A M D 431	Apparel Production Management	
Select one (1) co	urse:	3
A M D 354	Euro-American Dress History: Prehistoric to	
	Mid-19th Century	
A M D 362	Cultural Perspectives of Global Dress	
A M D 366X	History of Menswear	
A M D 458	Queer Fashions: History, Culture, and the Industry	
A M D 462X	Black Lives Matter: Fashion, Liberation, and the	
	Fight for Freedom	
Select two (2) co	urses:	6
AMD, AESHM,	THTRE, ART IS, DSGN, or DSN S.	
This category	can be used to fulfill approved double major or	
minor requirer	nents	
Total Credits		43
Product Develop	oment for Apparel and Soft Goods Primary Optio	n
A M D 121	Apparel Assembly Processes	4
A M D 178	Introduction to Apparel Design Studio	3
A M D 225	Patternmaking I: Drafting and Flat Pattern	3
or A M D 226X	3D Designing and Patternmaking for Soft Good	

Product Development

Quality Assurance of Textiles and Apparel

3

A M D 305

A M D 310	Computer Aided Apparel Patternnmaking	3
A M D 321	Computer Integrated Textile and Fashion Design	3
A M D 404	Innovative Textiles	3
A M D 415	Technical Design Processes	3
A M D 426	Creative Design Processes	3
A M D 431	Apparel Production Management	3
A M D 496	Soft-Goods Product Development and Prototyping	g 3
SCM 301	Supply Chain Management	3
Total Credits		37
Merchandising	and Retail Analytics Primary Option	
ACCT 284	Financial Accounting	3
AESHM 340	Hospitality and Apparel Marketing Strategies	3
or MKT 340	Principles of Marketing	
AESHM 474	Entrepreneurship in Human Sciences	3
A M D 375	Omni-Channel Retailing	3
A M D 376	Merchandise Planning and Buying	4
A M D 377	Visual Presentation and Promotions	3
A M D 388	Trend Forecasting	3
A M D 467	Consumer Studies in Apparel and Fashion	3
	Products	
A M D 475	Retail Analytics	3
DS 201	Introduction to Data Science	3
Select four (4) co	ourses from:	12-14
AESHM or A M	۸ D	
This category	can be used to fulfill approved double major or	
minor require	ments	
Total Credits		43-45
	unication Primary Option	
ACCT 284	Financial Accounting	2-3
or AESHM 17	5NFinancial Applications for Retail and Hospitality Industries: Retail Merchandising	
AESHM 340	Hospitality and Apparel Marketing Strategies	3
or MKT 340	Principles of Marketing	
AESHM 474	Entrepreneurship in Human Sciences	3
A M D 288	Styling	3
A M D 376	Merchandise Planning and Buying	4
A M D 377	Visual Presentation and Promotions	3
A M D 388	Trend Forecasting	3
EVENT 171	Introduction to Event Management	3
EVENT 277	Introduction to Digital Promotion in Event	3
	Management	
Select one (1) co	ourse from:	3

Credits
Credits
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Credits
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Credits

		Speech		3	
		Choice			
		15		15	5
Senior					
Fall	Credits	Spring	Credits		
Creative &		3 Creative &		3	
Technical		Technical			
Design		Design			
Option		Option			
Elective 1		Elective 2			
A M D 372		3 A M D 431		3	
		(Spring			
		only)			
A M D 415		3 A M D 362		3	
		(Spring			
		only)			
A M D 495		3 Elective		3	
		12		12	

Apparel Merchandising, Design B.S. - Merchandising Retail Analytics Primary Option

Fall	Credits	Spring	Credits
ENGL 150		3 ENGL 250	3
A M D 131		3 A M D 275	3
(Fall only)			
A M D 165		3 COM S 113	3 3
AESHM 11	1	1 ECON 101	3
AESHM 11	1L	1 Merchandi	sing 3
		Elective 1	
LIB 160		1	
Math		3	
Choice			
		15	15
Sophomore		15	15
Sophomor Fall		15 Spring	
	e		
Fall	e	Spring	Credits
Fall A M D 204	e	<b>Spring</b> 4 A M D 376	Credits 4 3
<b>Fall</b> A M D 204 A M D 210	e	<b>Spring</b> 4 A M D 376 3 A M D 356	Credits 4 3

(1) class from: 3

3

		AESHM	340				Sophomore	9				
		MKT 34	)				Fall	Credits	Spring	Credits		
		16		16			A M D 210		3 A M D 231		4	
Junior							A M D 275		3 A M D 226	Х	3	
Fall	Credits	Spring	Credits	Summer	Credits		DSN S 131		4 AESHM 21	1	3	
A M D 231		4 A M D 375		3 AESHM 47	70N	4	ECON 101		3 AESHM 31	1N	1	
		(Spring					Social		3 CHEM 163		4	
		only)					Science or					
A M D 377		3 A M D 475		3			Humanities	S				
A M D 388		3 AESHM 28	0	R			Choice					
AESHM 31	1N	1 AESHM 38	ON	3					CHEM 163	L	1	
Merchandis	sing	3 Merchandi	sing	3					16		16	
Option		Option					Junior					
Elective 2		Elective 3					Fall	Credits	Spring	Credits	Summer	Credits
Science		3 STAT 101		4			A M D 376		4 A M D 321		3 AESHM 4	70N
Choice							AESHM 28	0	R A M D 356		3	
		17		16		4			(Spring			
Senior									only)			
Fall	Credits	Spring	Credits				AESHM 38	0N	3 A M D 372		3	
A M D 372		3 AESHM 47	4	3			COM S 113	}	3 A M D 404		3	
A M D 467		3 Merchandi	sing	3					(Spring			
(Fall only)		Elective 4							only)			
Humanities	5	3 Speech		3			Product		3 History or		3	
or Social		Choice					Developme	ent	Art History	,		
Science							and		Choice			
Elective							Innovation					
Elective		3 Elective		3			Elective 1					
		12		12			STAT 101		4			
Total Credit	ts: 123								17		15	
							Senior					

and Soft Goods Primary Option

#### Freshman

Fall	Credits	Spring	Credits	
ENGL 150		3 ENGL 250		3
A M D 131		3 MATH 140		3
A M D 165		3 A M D 121		4
A M D 178		3 A M D 204		4
AESHM 11	1	1 A M D 206		R
AESHM 11	1L	1 A M D 245		3
LIB 160		1		
		15		17

STAT 101		4		
	1	17		15
Senior				
Fall	Credits	Spring	Credits	
A M D 305		3 A M D 431		3
(Fall only)		(Spring		
		only)		
Product		3 A M D 496		3
Developme	nt	(Spring		
and		only)		
Innovation				
Elective 2				
Speech		3 Product		3
Choice		Developme	nt	
		and		
		Innovation		
		Elective 3		

Elective	3 Elective	3	
	12	12	

#### **Total Credits: 123**

Apparel, Merchandising, and Design, B.S. -- Fashion Communications Primary Option

#### Freshman

Fall	Credits	Spring	Credits	
ENGL 150		3 ENGL 250		3
A M D 131		3 A M D 210		3
(Fall only)				
A M D 165		3 A M D 245		3
AESHM 11	1	1 EVENT 171		3
AESHM 11	1L	1 Fashion		3
		Communic	ations	
		Elective 1		
LIB 160		1		
Social		3		
Science or				
Humanities	S			
Choice				
		15		15

#### Sophomore

-					
Fall	Credits	Spring	Credits		
A M D 204	4	4 ACCT 284		3	
A M D 27	5	3 A M D 376		4	
Select on	e	3 AESHM 21	1	3	
(1) class					
from:					
MATH	104	ECON 101		3	
MATH	105	EVENT 277		3	
MATH	140				
MATH	150				
COM S 11	3	3			
Minor		3			
Class 1					
(dd in FC					
electives)	)				
		16		16	
Junior					
Fall	Credits	Spring	Credits	Summer	Cr

Fall	Credits	Spring	Credits	Summer	Credits	
A M D 231		4 A M D 356		3 AESHM 47	DN	3
A M D 288		3 A M D 377		3		
AESHM 31	1 N	1 A M D 388		3		

Select one		3 AESHM 280	R	
(1) class				
from:				
AESHM	340	AESHM 380	N 3	
MKT 340	D	STAT 101	4	
Science		3		
Choice				
Minor		3		
Class 2				
(dd in FC				
electives)				
		17	16	3
Senior				
Senior Fall	Credits	Spring	Credits	
	Credits	<b>Spring</b> 3 AESHM 474		
Fall	Credits			
Fall A M D 372	Credits	3 AESHM 474	. 3	
Fall A M D 372 Speech	Credits	3 AESHM 474 3 History	. 3	
Fall A M D 372 Speech Choice	Credits	3 AESHM 474 3 History Choice	3	
Fall A M D 372 Speech Choice Minor	Credits	3 AESHM 474 3 History Choice 3 Minor	3	
Fall A M D 372 Speech Choice Minor Class 3	Credits	3 AESHM 474 3 History Choice 3 Minor Class 5	- 3 3 3	
Fall A M D 372 Speech Choice Minor Class 3 Minor	Credits	3 AESHM 474 3 History Choice 3 Minor Class 5	- 3 3 3	

Total Credits: 124

# Apparel, Merchandising, and Design Minor

A minor in Apparel, Merchandising, and Design requires (15-17 cr.) of the following:

Select from:		3
A M D 121	Apparel Assembly Processes	
A M D 131	Fashion Products and Markets	
A M D 165	Dress, Appearance, and Diversity in U.S. Society	
A M D 178	Introduction to Apparel Design Studio	
Select from:		3-4
A M D 204	Textile Science	
Select from:		3-4
A M D 231	Product Development and Manufacturing	
A M D 245	Aesthetics and Brand Image	
A M D 275	Retail Merchandising	
A M D 288	Styling	
300-400 level at l	owa State University in A M D or approved AESHM	6
AESHM 340	Hospitality and Apparel Marketing Strategies	
or MKT 340	Principles of Marketing	

Т	otal Credits	15-17
	A M D 499	Undergraduate Research
	A M D 490	Independent Study
	A M D 475	Retail Analytics
		Products
	A M D 467	Consumer Studies in Apparel and Fashion
	A M D 458	Queer Fashions: History, Culture, and the Industry
	A M D 431	Apparel Production Management
	A M D 404	Innovative Textiles
	A M D 388	Trend Forecasting
	A M D 377	Visual Presentation and Promotions
	A M D 376	Merchandise Planning and Buying
	A M D 375	Omni-Channel Retailing
	A M D 372	Sourcing and Global Issues
	A M D 362	Cultural Perspectives of Global Dress
	A M D 356	Euro-American Dress History: Mid-19th Century to the Present
	A M D 354	Euro-American Dress History: Prehistoric to Mid-19th Century
	A M D 305	Quality Assurance of Textiles and Apparel
	AESHM 499X	Research, Seminar, or Senior Project
	AESHM 476CX	Entrepreneurship Studio: Creating an Online Business
	AESHM 474	Entrepreneurship in Human Sciences
	AESHM 472	Fashion Show Management
	AESHM 470N	Supervised Professional Internship: Apparel
	AESHM 342	Aesthetics of Consumer Experience

FASHION, CULTURE, HISTORY, AND SOCIAL JUSTICE MINOR

The Fashion, Culture, History, and Social Justice minor will benefit emerging professionals and future leaders entering the fashion, museum, or other related industries become more critical people in regards to fashion, appearance, clothing, history, and identity. Examples of a few job titles that this minor would benefit include museum curator, collections manager, research associate, chief diversity officer, human resource roles, designers, merchandisers, product developers, and/or marketing managers.

Having an increased awareness of appearances and fashions of individuals historically experiencing oppression and marginalization can aid in societal improvements towards developing a more socially just environment. As students enter the workforce with a social justice background, they can better understand and work with others who are different from them. Additionally, having a better understanding of diverse consumers could help provide these consumers with the products they desire, in addition to avoiding public diversity issues that are far too common in the fashion industry.

#### Learning Outcomes:

- Examine historical, social/psychological, and cultural aspects of fashion, clothing, appearance, and identity with a focus on social justice
- Define social justice, power, privilege, and inequity as it relates to the historical, social/psychological, and cultural aspects of fashion, clothing, appearance, and identity
- Examine power dynamics of diverse communities and cultures and their fashions, clothing, appearance, and identities

#### **Requirements:**

The Fashion, Culture, History, and Social Justice minor can be earned by successfully completing the following for a total of 15 credits. All course prerequisites must be completed prior to taking the course. All minor courses must be taken for a grade.

R	equired course:		3
	A M D 165	Dress, Appearance, and Diversity in U.S. Society	
Se	elect from:		6
	A M D 354	Euro-American Dress History: Prehistoric to Mid-19th Century	
	A M D 366X	History of Menswear	
	A M D 356	Euro-American Dress History: Mid-19th Century to the Present	
	A M D 458	Queer Fashions: History, Culture, and the Industry	
	AESHM 462X	Black Lives Matter: Fashion, Politics, and	
		Resistance Movements	
Se	elect from:		6
A	frican and Africa	n American Studies	
	AF AM 201	Introduction to African American Studies	
	AF AM 311	Africa under Colonial Rule	
	AF AM 330	Ethnic and Race Relations	
	AF AM 334	Africana Religions	
	AF AM 347	Studies in African American Literature	
	AF AM 350	Women of Color in the U.S	
	AF AM 353	History of African Americans I	
	AF AM 354	History of African Americans II	
	AF AM 473	Civil Rights and Ethnic Power	
Aı	merican Indian S	Studies	
	AM IN 201	Native People in American Culture	
	AM IN 205	American Indians in the Movies	
	AM IN 210	Introduction to American Indian Studies	

ANTHR 22     American Indians of Iowa     HIST 354     History of African American II       ANTHR 322     Peoples and Cultures of Native North America     HIST 371     Mexican American History       ANTHR 322     Current Issues in Native North America     HIST 371     Mexican American History       ANTHR 322     Curture, Sex, and Gender     HIST 372     Latina/o History       ANTHR 325     Curture, Sex, and Gender     HIST 374     Sex, Gender, and Culture in the Ancient       American Sign Language     HIST 374     Sex, Gender, and Culture in the Ancient       ASL 325     Deaf Peoples: Pre-World War II     HIST 386     History of Women in Science, Technology, and Medicine       ASL 325     Deaf Peoples: Pre-World War II     HIST 386     History of Modern Mexico       ASL 325     Deaf Peoples: Pre-World War II     HIST 386     History of Modern Middle East       AND 362     Culturel Perspectives of Global Dress     HIST 440     History of Modern Mexico and Central America       Arabic     Taico Tistory     HIST 473     Civil Bights and Ethnic Power       Arabic     Taico Tistory     HIST 473     Civil Bights and Ethnic Power       Arat Hasto     Art of Islam     ELO ST 383     Women, Gender, and Leadership       Art Hast     Art of Islam     ELO ST 488     Research on Gender and Leadership       CHIN 375     China Today <th></th> <th></th> <th></th> <th></th>				
AM IN 322     Peoples and Cultures of Native North America     HIST 337     History of Main America I       AM IN 332     Current Issues in Native North America     HIST 331     History of Lain America I       AMTHR 225     American Indian Literature     HIST 335     History of China America II       ANTHR 322     Peoples and Cultures of Native North America     HIST 334     History of African Americans II       ANTHR 322     Current Issues in Native North America     HIST 337     Mickina American History       ANTHR 322     Culture, Sex, and Cender     HIST 337     Mickina American History       ANTHR 322     Culture, Sex, and Cender     HIST 337     Mickina American History       ANTHR 322     Culture, Sex, and Cender     HIST 330     History of Nomen in Science, Technology, and Merican       ASL 107     Introduction to the Deef-World     HIST 336     History of Moreen in America       ASL 325     Deaf Peoples: Pre-World War II     HIST 336     History of Moreen in America       ASL 325     Deaf Peoples: Pre-World War II     HIST 336     History of Moreen in America       AND 362     Cultural Perspectives of Global Dress     HIST 437     History of Moreen in America       ARD 432     Trait Achitecture of Asia     HIST 433     Worle Cender and Leadership       ARD 432     Trait Achitecture of Asia     LD ST 438     Recearch on Gender and Lead	AM IN 225	American Indians of Iowa	HIST 331	History of the Islamic World to 1800
AM IN 332     Ourient Issues in Native North America     HIST 340     History of Latin America I       AM IN 346     American Indian Literature     HIST 341     History of Latin America I       AMTHR 325     American Indian Literature     HIST 353     History of African Americans I       ANTHR 325     American Indian Literature     HIST 353     History of African Americans I       ANTHR 322     Peoples and Cultures of Native North America     HIST 371     Mexican American I       ANTHR 322     Current Issues in Native North America     HIST 371     Mexican American I       ANTHR 322     Current Issues in Native North America     HIST 373     Sex, Gender, and Culture in the Ancient       ANTHR 325     Deaf Peoples: Pre-World War II     HIST 380     History of Women in America       ASL 325     Deaf Peoples: Pre-World War II     HIST 410     The Holocaust in History       AND 362     Cultural Perspectives of Global Dress     HIST 417     History of Modern Middle East       HIST 475     Arab Culture     HIST 475     History of Modern Middle East       ARABC 375     Arab Culture     HIST 475     History of Modern American Sculalities       ART 482     Art and Architecture of Asia     LD ST 488     Research on Gender and Leadership       ART 484     Art of Islam     DU ST 488     Research on Gender and Leadership       CHN 375	AM IN 310	Contemporary Topics in American Indian Studies	HIST 336	History of Modern China I
Amin Na 46     American Indian Literature     HIST 341     History of Lain American II       AntHropology     HIST 353     History of African American I       ANTHR 325     Peoples and Cultures of Native North America     HIST 371     Mexican American II       ANTHR 332     Current Issues in Native North America     HIST 371     Mexican American II       ANTHR 332     Curture Sex, and Gender     HIST 371     Mexican American Mictory       AMTHR 342     Culture, Sex, and Gender     HIST 371     Mexican American World       ASL 107     Introduction to the Deaf-World     HIST 372     Laina/o History       ASL 275     Topics in Deaf Culture     HIST 380     History of Women in Science, Technology, and Mediterinanea World       ASL 375     Arab Cultural Perspectives of Global Dress     HIST 410     The Holocaust in History       ARAD 375     Arab Culture     HIST 411     History of American Sexualities       ARACH 426     Topics in Native American Architecture     HIST 473     Givil Hights and Ethnic Power       ART H 384     Art and Architecture of Asia     LD ST 333     Women, Gender, and Leadership       ART H 384     Art of Islam     Philosphy     Philosphy       CHIN 375     Chinese Literature in English Translation     Philosphy       CHIN 376     Chinese Literature in English Translation     Philos 380     Natr	AM IN 322	Peoples and Cultures of Native North America	HIST 337	History of Modern China II
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ENGL 352       Queer Literature       Sociology         History       SOC 235       Social Problems and American Values         HIST 207       Chinese Civilization       SOC 327       Gender and Sexualities in Society         HIST 255       Introduction to World History, 1500-Present       SOC 330       Ethnic and Race Relations	ENGL 346	American Indian Literature	RELIG 352	Religions of India
HistorySOC 235Social Problems and American ValuesHIST 207Chinese CivilizationSOC 327Gender and Sexualities in SocietyHIST 255Introduction to World History, 1500-PresentSOC 330Ethnic and Race Relations	ENGL 347	Studies in African American Literature	RELIG 358	Islam
HIST 207Chinese CivilizationSOC 327Gender and Sexualities in SocietyHIST 255Introduction to World History, 1500-PresentSOC 330Ethnic and Race Relations	ENGL 352	Queer Literature	Sociology	
HIST 207Chinese CivilizationSOC 327Gender and Sexualities in SocietyHIST 255Introduction to World History, 1500-PresentSOC 330Ethnic and Race Relations	History		SOC 235	Social Problems and American Values
		Chinese Civilization	SOC 327	Gender and Sexualities in Society
	HIST 255	Introduction to World History, 1500-Present	SOC 330	Ethnic and Race Relations
			SOC 331	Social Class and Inequality

SOC 332	The Latino/Latina Experience in U.S. Society
SOC 350	Human Diversity in Agriculture and the Food
	System
U.S. Latino/a Stu	ıdies
US LS 211	Introduction to U.S. Latino/a Studies
US LS 323A	Latin American Anthropology: Violence and Memory
US LS 323B	Latin American Anthropology: Social movements and Democracy
US LS 323C	Latin American Anthropology: Race, Class and Gender
US LS 323D	Latin American Anthropology: Regional Focus
US LS 323E	Latin American Anthropology: Culture and Sport.
US LS 343	Latin American Government and Politics
US LS 347	U.S. Latino/a Psychology
US LS 371	Mexican American History
US LS 372	Latina/o History
US LS 473	Civil Rights and Ethnic Power
Women's and Ge	nder Studies
WGS 201	Introduction to Women's and Gender Studies
WGS 203	Introduction to Lesbian Communities
WGS 205	Introduction to Queer Studies
WGS 210	Gender and Sexuality in American Pop Culture
WGS 301	International Perspectives on Women and Gender
WGS 320	Ecofeminism
WGS 321	Economics of Discrimination
WGS 323	Gender and Communication
WGS 325	Portrayals of Gender and Sexualities in the Media
WGS 327	Gender and Sexualities in Society
WGS 333	Women, Gender, and Leadership
WGS 336	Religion, Sex and Gender
WGS 338	Feminist Philosophy
WGS 342	Culture, Sex, and Gender
WGS 346	Psychology of Women
WGS 350	Women of Color in the U.S
WGS 352	Queer Literature
WGS 374	Sex, Gender, and Culture in the Ancient Mediterranean World
WGS 380	History of Women in Science, Technology, and Medicine
WGS 385	Women in Politics
WGS 386	History of Women in America
WGS 435	Gender, Globalization and Development

WGS 457	History of American Sexualities			
WGS 488	Research on Gender and Leadership			
WGS 494	Women/Gender in Art			
World Languages and Cultures				
WLC 352	Religions of India			
WLC 358	Islam			

# **TEXTILE SCIENCE AND PRODUCT PERFORMANCE MINOR**

The Textile Science and Product Performance minor is targeted specifically at the scientific, innovative, evaluative, technological, and performative aspects of textiles, and will fulfill industry demands for graduates that can provide answers to complex, interdisciplinary issues linked to textile-centered products. Textiles are utilized daily in: (a) medical procedures, (b) shelters and homes, (c) transportation, (d) physical and psychological protection, (e) physical performance, (f) adornment.

The minor is designed for.

- students in the STEM fields of chemistry, chemical and biological engineering, and materials science and engineering who desire academic experiences and knowledge in another applied product area
- students in the apparel, merchandising, and design, areas who want a focused concentration on textile science and the evaluation of quality and performance of textiles and textile products

## Learning Outcomes

Students who complete the Textile Science and Product Performance minor will meet the following over-arching learning objectives:

- Apply a comprehensive understanding of the characteristics (physical, chemical and structural) of textiles/textile products and the interrelationship of these characteristics to their major discipline
- Engage in interdisciplinary research through the analysis, testing and evaluation of textiles and textile products for sustainable industry and global applications in their major

## Requirements

The Textile Science and Product Performance minor consists of 17 credits, including 14 credits distributed over four required classes. Six of the nine required 300-400 level credits in the minor must be taken at Iowa State University. Nine credits must be isolated to the minor only.

A M D 204	Textile Science	4
A M D 231	Product Development and Manufacturing	4
A M D 305	Quality Assurance of Textiles and Apparel	3

A M D 404	Innovative Textiles	3			
Select one for 3 c	credits from:				
AESHM 470N	Supervised Professional Internship: Apparel				
A M D 490A	Independent Study: Textile Science				
A M D 499	Undergraduate Research				

# **Merchandising Certificate**

A certificate in Merchandising requires (22 cr.) of the following:

A M D 275	Retail Merchandising	3
A M D 375	Omni-Channel Retailing	3
A M D 376	Merchandise Planning and Buying	4
A M D 475	Retail Analytics	3
Select from:		9
AESHM 287	Principles of Management in Human Sciences	
AESHM 340	Hospitality and Apparel Marketing Strategies	
AESHM 342	Aesthetics of Consumer Experience	
AESHM 470N	Supervised Professional Internship: Apparel	
AESHM 474	Entrepreneurship in Human Sciences	
A M D 165	Dress, Appearance, and Diversity in U.S. Society	
A M D 245	Aesthetics and Brand Image	
A M D 372	Sourcing and Global Issues	
A M D 377	Visual Presentation and Promotions	
A M D 467	Consumer Studies in Apparel and Fashion	
	Products	

#### **Total Credits**

The Merchandising Certificate may be earned at the same time as an ISU baccalaureate degree or after the completion of an associate of arts (AA) or associate of science (AS) degree or a baccalaureate degree from any accredited institution.

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The AMD program offers a **concurrent B.S. and M.S. degree** that allows students to obtain a B.S. and M.S. degree in apparel, merchandising, and design in *five* years. Application for admission to the Graduate College should be made in the junior year. More information can be found here: https://aeshm.hs.iastate.edu/graduate-students/graduate-programs/apparel-merchandising-and-design/concurrent-bs-ms/.

## **Graduate Study**

The program offers work for the concurrent Bachelor of Science and Master of Science; Master of Science (thesis and non-thesis options; on-campus and hybrid); and Doctor of Philosophy (on-campus and distance hybrid) with a major in apparel, merchandising, and design. For all programs the field of study is highly interdisciplinary; programs of study are tailored to students' background and interests. The program offers a concurrent B.S. and M.S. degree that allows students to obtain both the B.S. and M.S. degrees in apparel, merchandising, and design in 5 years. Application for admission to the Graduate College should be submitted in fall semester of the junior year.

Graduates understand how textiles and apparel are essential in meeting individual and societal needs and understand the interdependence of nations and cultures as producers and consumers. Graduates understand diverse philosophies of scholarship and apply multiple methods to creative activity, research, and teaching. Strong writing and oral communication skills help graduates disseminate scholarship and compete successfully for awards and grants.

Graduates accept positions relevant to their academic experience. All doctoral graduates have teaching experience. Master's and doctoral graduates have experience working in team-oriented and interactive environments. Graduates are prepared to adapt to future changes in their professions and to provide leadership in professional and public practice. They bring a strong sense of ethics to research, teaching, and business endeavors.

Program emphases for graduate study include creative design and functional design; product development; consumer behavior; entrepreneurship; merchandising and marketing aspects of textiles and clothing; acquisition and use of textiles and apparel within cultures; U.S. dress and textiles from the 19th into the 21st centuries; textiles and sustainability.