

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 Iowa State University for the degree (12 of the 18 credits must be at the 3000-4000 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:

1. *Communication.* Use clear and effective written, oral, verbal and electronic (WOVE) communication techniques to foster inquiry, collaboration, and engagement in apparel and related industries.
2. *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.
3. *Critical thinking.* Understand fundamental concepts of apparel, merchandising, and design and apply critical thinking to solve problems from personal, scholarly, and professional perspectives.
4. *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 market-oriented 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 1500 Critical Thinking and Communication, and ENGL 2500 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 Iowa State University for the degree (12 of the 18 credits must be at the 3000-4000 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 HSPM 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 1500 and ENGL 2500. 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 1500	Critical Thinking and Communication	3
ENGL 2500	Written, Oral, Visual, and Electronic Composition	3
LIB 1600	Introduction to College Level Research	1
Select one (1) course:		3
COMST 2100	Communication and U.S. Diversity	
COMST 2140	Professional Communication	
COMST 2180	Conflict Management	
SPCM 2120	Fundamentals of Public Speaking	
Total Credits		10

Mathematics and Science Disciplines

Mathematics (MATH 1500 recommended for merchandising)		3
Select from natural sciences. Creative and technical design, product development, and product innovation options must take CHEM 1630 and CHEM 1630L.		3-5
Select one (1) course:		3-4
STAT 1010	Principles of Statistics	
STAT 1040	Introduction to Statistics	
STAT 2260	Introduction to Business Statistics I	
Total Credits		9-12

Social Sciences and Humanities

ECON 1010	Principles of Microeconomics	3
AMD 1650	Dress, Appearance, and Diversity in U.S. Society	3
AMD 3560	Euro-American Dress History: Mid-19th Century to the Present	3
History/Art History (creative and tech design: ARTH Required)		3

Select one (1) course:		3
AMD 3540	Euro-American Dress History: Prehistoric to Mid-19th Century	
AMD 3620	Global Dress in the Fashion System and Society	
AMD 4580	Queer Fashions: History, Culture, and the Industry	
AESHM 4620X	Black Lives Matter: Fashion, Politics, and Resistance Movements	
College of Liberal Arts & Sciences list of Arts and Humanities courses		
College of Liberal Arts & Sciences list of Social Science courses		
Total Credits		15

AESHM Professional Development

AESHM 1110	Professional Development for AESHM	1
AESHM 1110L	AESHM Program Orientation and Learning Community	1
AESHM 2110	Leadership Experiences and Development (LEAD)	3
AESHM 3110N	Seminar on Careers and Internships: Apparel, Merchandising, and Design	1
AESHM 4700MX	Supervised Professional Internship: Apparel (Out-of-state)	3-6
or AESHM 4700S	Supervised Professional Internship: Apparel	
And select three (3) credits from:		
AESHM 1700N	Supervised Work Experience I: Apparel	
AESHM 1800N	First Year Student Field Study: Apparel, Merchandising, and Design	
AESHM 2800	Orientation to U.S. Field Study	
AESHM 2810	Orientation to International Field Study	
AESHM 2700N	Supervised Work Experience II: Apparel	
AESHM 2870	Principles of Management in Human Sciences	
AESHM 3800N	U.S. Field Study: Apparel, Merchandising, and Design	
AESHM 3810N	International Field Study: Apparel, Merchandising, and Design	
AESHM 4210	Developing Global Leadership: Maximizing Human Potential	
Total Credits		9-12

AMD Integrated Core

AMD 1310	Fashion Products and Markets	3
AMD 2040	Textile Science	4
AMD 2100	Computer Applications in Digital Design	3
AMD 2310	Product Development and Manufacturing	4
AMD 2450	Aesthetics and Brand Image	3

AMD 2750	Retail Merchandising	3
AMD 3720	Sourcing and Global Issues	3
COMS 1130	Introduction to Spreadsheets and Databases	3
Total Credits		26

Primary Options

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

Creative and Technical Design Primary Option

AMD 1210	Apparel Assembly Processes	4
AMD 1780	Introduction to Apparel Design Studio	3
AMD 2250	Patternmaking I: Drafting and Flat Pattern	3
AMD 2780	Fashion Illustration	3
AMD 3100	Computer Aided Apparel Patternmaking	3
AMD 3210	Computer Integrated Textile and Fashion Design	3
AMD 3250	Patternmaking II: Draping	3
AMD 3290	Digital Textile Printing for Apparel Design	3
AMD 4150	Technical Design Processes	3
AMD 4950	Senior Design Studio	3
Select one (1) course:		3

AMD 3050	Quality Assurance of Textiles and Apparel
AMD 4040	Innovative Textiles
AMD 4310	Apparel Production Management

Select one (1) course: 3

AMD 3540	Euro-American Dress History: Prehistoric to Mid-19th Century
AMD 3620	Global Dress in the Fashion System and Society
AMD 4580	Queer Fashions: History, Culture, and the Industry
AESHM 4620X	Black Lives Matter: Fashion, Politics, and Resistance Movements

Select two (2) courses: 6

AMD, AESHM, THTRE, ARTIS, DSGN, or DSNS.	
This category can be used to fulfill approved double major or minor requirements	

Total Credits 43

Product Development for Apparel and Soft Goods Primary Option

AMD 1210	Apparel Assembly Processes	4
AMD 1780	Introduction to Apparel Design Studio	3
AMD 2250	Patternmaking I: Drafting and Flat Pattern	3
AMD 3050	Quality Assurance of Textiles and Apparel	3
AMD 3100	Computer Aided Apparel Patternmaking	3
AMD 3210	Computer Integrated Textile and Fashion Design	3
AMD 4040	Innovative Textiles	3

AMD 4150	Technical Design Processes	3
AMD 4260	Creative Design Processes	3
AMD 4310	Apparel Production Management	3
AMD 4960	Soft-Goods Product Development and Prototyping	3
SCM 3010	Supply Chain Management	3

Total Credits 37

Merchandising and Retail Analytics Primary Option

ACCT 2840	Financial Accounting	3
AESHM 3400	Hospitality and Apparel Marketing Strategies	3
or MKT 3400	Principles of Marketing	
AESHM 4740	Entrepreneurship in Human Sciences	3
AMD 3750	Omni-Channel Retailing	3
AMD 3760	Merchandise Planning and Buying	4
AMD 3770	Visual Presentation and Promotions	3
AMD 3880	Trend Forecasting	3
AMD 4670	Consumer Studies in Apparel and Fashion Products	3
AMD 4750	Retail Analytics	3
DS 2010	Introduction to Data Science	3

Select four (4) courses from: 12-14

AESHM or AMD	
This category can be used to fulfill approved double major or minor requirements	

Total Credits 43-45

Fashion Communication Primary Option

ACCT 2840	Financial Accounting	2-3
or AESHM 1750X	Financial Applications for Retail and Hospitality Industries: Retail Merchandising	
AESHM 3400	Hospitality and Apparel Marketing Strategies	3
or MKT 3400	Principles of Marketing	
AESHM 4740	Entrepreneurship in Human Sciences	3
AMD 2880	Styling	3
AMD 3760	Merchandise Planning and Buying	4
AMD 3770	Visual Presentation and Promotions	3
AMD 3880	Trend Forecasting	3
EVENT 1710	Introduction to Event Management	3
EVENT 2770	Digital Promotion in the Service Industry	3

Select one (1) course from: 3

AESHM or AMD	
This category can be used to fulfill approved double major requirements, including ADVRT, COMST, DS, ENTSP, EVENT, JLMC, MKT, and PR	

Select two (2) courses from:

Approved minor or double major, including ADVRT, COMST, DS, EVENT, JLMC, PR, or Technical Communications.

Total Credits 36-37

Apparel Merchandising, Design B.S. - Creative and Technical Design

Primary Option

Freshman

Fall	Credits	Spring	Credits
ENGL 1500		3 ENGL 2500	3
AMD 1310		3 MATH 1400	3
(Fall only)			
AMD 1650		3 AMD 1210	4
AMD 1780		3 AMD 2040	4
AESHM 1110		1 AMD 2060	R
AESHM 1110L		1 AMD 2450	3
LIB 1600		1	
	15		17

Sophomore

Fall	Credits	Spring	Credits
AMD 2100		3 AMD 2250	3
AMD 2750		3 AESHM 2110	3
AMD 2780		3 ARTH 2810	3
Humanities & Social Science Choice		3 COMS 1130	3
CHEM 1630		4 ECON 1010	3
CHEM 1630L		1	
	17		15

Junior

Fall	Credits	Spring	Credits	Summer	Credits
AMD 2310		4 AMD 3100		3 AESHM 4700N	5
AMD 3210		3 AMD 3290		3	
AMD 3250		3 AMD 3560		3	
AESHM 3110N		1 AESHM 2800		R	
STAT 1010		4 AESHM 3800N		3	
		Speech Choice		3	
	15		15		5

6 Senior

Fall	Credits	Spring	Credits
Creative & Technical Design Option		3 Creative & Technical Design Option	3
Elective 1		Elective 2	
AMD 3720		3 AMD 4310	3
		(Spring only)	
AMD 4150		3 AMD 3620	3
		(Spring only)	
AMD 4950		3 Elective	3
	12		12

Total Credits: 123

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

Primary Option

Freshman

Fall	Credits	Spring	Credits
ENGL 1500		3 ENGL 2500	3
AMD 1310		3 AMD 2750	3
(Fall only)			
AMD 1650		3 COMS 1130	3
AESHM 1110		1 ECON 1010	3
AESHM 1110L		1 Merchandising Elective 1	3
LIB 1600		1	
Math Choice		3	
	15		15

Sophomore

Fall	Credits	Spring	Credits
AMD 2040		4 AMD 3760	4
AMD 2100		3 AMD 3560	3
AMD 2450		3 AESHM 2110	3
ACCT 2840		3 DS 2010	3
History Choice		3 Select one (1) class from:	3
		AESHM 3400	
		MKT 3400	
	16		16

Junior						DSNS 1310	4 AESHM 3110N	1	
Fall	Credits	Spring	Credits	Summer	Credits	ECON 1010	3 CHEM 1630	4	
AMD 2310		4 AMD 3750 (Spring only)		3 AESHM 4700N	4	Social Science or Humanities Choice	3 CHEM 1630L	1	
AMD 3770		3 AMD 4750		3					
AMD 3880		3 AESHM 2800		R					
AESHM 3110N		1 AESHM 3800N		3					
Merchandising Option		3 Merchandising Option		3					
Elective 2		Elective 3							
Science Choice		3 STAT 1010		4					
	17		16	4			16	13	
Senior						Junior			
Fall	Credits	Spring	Credits			Fall	Credits	Spring	Credits
AMD 3720		3 AESHM 4740	3			AMD 3760		4 AMD 3210	
AMD 4670 (Fall only)		3 Merchandising Elective 4	3			AESHM 2800		R AMD 3560 (Spring only)	
Humanities or Social Science Elective		3 Speech Choice	3						
Elective		3 Elective	3			AESHM 3800N		3 AMD 3720	
	12		12			COMS 1130		3 AMD 4040 (Spring only)	
						Product Development and Innovation Elective 1		3 History or Art History Choice	
						STAT 1010		4	
							17	15	3
Total Credits: 123						Senior			
Apparel Merchandising, Design B.S. - Product Development for Apparel and Soft Goods Primary Option						Fall	Credits	Spring	Credits
Freshman						AMD 3050 (Fall only)		3 AMD 4310 (Spring only)	3
Fall	Credits	Spring	Credits			Product Development and Innovation Elective 2		3 AMD 4960 (Spring only)	3
ENGL 1500		3 ENGL 2500	3			Speech Choice		3 Product Development and Innovation Elective 3	3
AMD 1310		3 MATH 1400	3						
AMD 1650		3 AMD 1210	4			Elective		3 Elective	3
AMD 1780		3 AMD 2040	4				12	12	
AESHM 1110		1 AMD 2060	R						
AESHM 1110L		1 AMD 2450	3						
LIB 1600		1							
	15		17						
Sophomore						Total Credits: 120			
Fall	Credits	Spring	Credits			Apparel, Merchandising, and Design, B.S. -- Fashion Communications Primary Option			
AMD 2100		3 AMD 2310	4						
AMD 2750		3 AESHM 2110	3						

Freshman

Fall	Credits	Spring	Credits
ENGL 1500		3 ENGL 2500	3
AMD 1310		3 AMD 2100	3
(Fall only)			
AMD 1650		3 AMD 2450	3
AESHM 1110		1 EVENT 1710	3
AESHM 1110L		1 Fashion Communications Elective 1	3
LIB 1600		1	
Social Science or Humanities Choice	3		
15		15	

Sophomore

Fall	Credits	Spring	Credits
AMD 2040		4 ACCT 2840	3
AMD 2750		3 AMD 3760	4
Select one (1) class from:		3 AESHM 2110	3
MATH 1040		ECON 1010	3
MATH 1050		EVENT 2770	3
MATH 1400			
MATH 1500			
COMS 1130	3		
Minor Class 1 (dd in FC electives)	3		
16		16	

Junior

Fall	Credits	Spring	Credits	Summer	Credits
AMD 2310		4 AMD 3560		3 AESHM 4700N	3
AMD 2880		3 AMD 3770			3
AESHM 3110N		1 AMD 3880			3
Select one (1) class from:		3 AESHM 2800		R	
AESHM 3400		AESHM 3800N			3
MKT 3400		STAT 1010			4

Science Choice	3		
Minor Class 2 (dd in FC electives)	3		
17		16	
		3	

Senior

Fall	Credits	Spring	Credits
AMD 3720		3 AESHM 4740	3
Speech Choice		3 History Choice	3
Minor Class 3		3 Minor Class 5	3
Minor Class 4		3 Elective	3
Elective	2		
14		12	

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
AMD 1210	Apparel Assembly Processes
AMD 1310	Fashion Products and Markets
AMD 1650	Dress, Appearance, and Diversity in U.S. Society
AMD 1780	Introduction to Apparel Design Studio
Select from:	3-4
AMD 2040	Textile Science
Select from:	3-4
AMD 2310	Product Development and Manufacturing
AMD 2450	Aesthetics and Brand Image
AMD 2750	Retail Merchandising
AMD 2880	Styling
3000-4000 level at Iowa State University in AMD or approved AESHM	6
AESHM 3400	Hospitality and Apparel Marketing Strategies or MKT 3400Principles of Marketing
AESHM 3420	Aesthetics of Consumer Experience
AESHM 4700N	Supervised Professional Internship: Apparel
AESHM 4720	Fashion Show Management
AESHM 4740	Entrepreneurship in Human Sciences

AESHM 4760CX	Entrepreneurship Studio: Creating an Online Business
AESHM 4990X	Research, Seminar, or Senior Project
AMD 3050	Quality Assurance of Textiles and Apparel
AMD 3540	Euro-American Dress History: Prehistoric to Mid-19th Century
AMD 3560	Euro-American Dress History: Mid-19th Century to the Present
AMD 3620	Global Dress in the Fashion System and Society
AMD 3720	Sourcing and Global Issues
AMD 3750	Omni-Channel Retailing
AMD 3760	Merchandise Planning and Buying
AMD 3770	Visual Presentation and Promotions
AMD 3880	Trend Forecasting
AMD 4040	Innovative Textiles
AMD 4310	Apparel Production Management
AMD 4580	Queer Fashions: History, Culture, and the Industry
AMD 4670	Consumer Studies in Apparel and Fashion Products
AMD 4750	Retail Analytics
AMD 4900	Independent Study
AMD 4990	Undergraduate Research

Total Credits**15-17**

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 regard 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.

Required course:		3
AMD 1650	Dress, Appearance, and Diversity in U.S. Society	
Select from:		6
AMD 3540	Euro-American Dress History: Prehistoric to Mid-19th Century	
AMD 3560	Euro-American Dress History: Mid-19th Century to the Present	
AMD 4580	Queer Fashions: History, Culture, and the Industry	
AESHM 4620X	Black Lives Matter: Fashion, Politics, and Resistance Movements	3

Select from:	6
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African and African American Studies

AFAM 2010	Introduction to African American Studies
AFAM 3110	Africa under Colonial Rule
AFAM 3300	Ethnic and Race Relations
AFAM 3340	Africana Religions
AFAM 3470	African American Literature
AFAM 3500	Women of Color in the U.S
AFAM 3530	History of African Americans I
AFAM 3540	History of African Americans II
AFAM 4730	Civil Rights and Ethnic Power

American Indian Studies

AMIN 2010	Native People in American Culture
AMIN 2050	American Indians in the Movies
AMIN 2100	Introduction to American Indian Studies
AMIN 2250	American Indians of Iowa
AMIN 3100	Contemporary Topics in American Indian Studies
AMIN 3220	Peoples and Cultures of Native North America
AMIN 3460	American Indian Literature

Anthropology

ANTHR 2250	American Indians of Iowa	
ANTHR 3220	Peoples and Cultures of Native North America	
ANTHR/AMIN 3320A	Current Issues in Native North America: Gender and Family	3
	or ANTHR 3320 Current Issues in Native North America: Indigenous Ecologies and Geographies	
	or ANTHR 3320 Current Issues in Native North America: Cultural and Political Movements	
	or ANTHR 3320 Current Issues in Native North America: Regional Focus	
ANTHR 3420	Culture, Sex, and Gender	

American Sign Language

ASL 1070	Introduction to the Deaf-World	
ASL 2750	Topics in Deaf Culture	
ASL 3250	Deaf Peoples: Pre-World War II	

Apparel, Merchandising, and Design

AMD 3620	Global Dress in the Fashion System and Society	
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Arabic

ARABC 3750	Arab Culture	
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Architecture

ARCH 4260	Topics in Native American Architecture	
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Art History

ARTH 3820	Art and Architecture of Asia	
ARTH 3840	Art of Islam	
ARTH 4940	Women/Gender in Art	

Chinese

CHIN 3700	Chinese Literature in English Translation	
CHIN 3720	Introduction to Chinese Culture	
CHIN 3750	China Today	
CHIN 3780	Chinese Film and Society	
CHIN 4030A	Seminar in Chinese Language and Culture: Translating Contemporary Chinese Texts	3
	or CHIN 4030B Seminar in Chinese Language and Culture: Topics on Business and Professions	
	or CHIN 4030C Seminar in Chinese Language and Culture: Reading Chinese Texts	

Classical Studies

CLST 3740	Sex, Gender, and Culture in the Ancient Mediterranean World	
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Economics

ECON 3210	Economics of Discrimination	
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English

ENGL 3460	American Indian Literature	
ENGL 3470	African American Literature	
ENGL 3520	Queer Literature	
History		
HIST 2550	Modern World History, Globalization in Perspective	3
HIST 3310	History of the Islamic World to 1800	
HIST 3360	Ancient China	
HIST 3370	Modern China	
HIST 3400	Colonial Latin America	
HIST 3410	Modern Latin America	
HIST 3530	History of African Americans I	
HIST 3540	History of African Americans II	
HIST 3710	Mexican American History	
HIST 3720	Latina/o History	
HIST 3740	Sex, Gender, and Culture in the Ancient Mediterranean World	
HIST 3800	History of Women in Science, Technology, and Medicine	
HIST 3860	History of Women in America	
HIST 4100	The Holocaust in History	
HIST 4350	History of the Modern Middle East	
HIST 4410	History of Modern Mexico and Central America	
HIST 4570	History of American Sexualities	
HIST 4650	The American West	
HIST 4730	Civil Rights and Ethnic Power	
Leadership Studies		
LDST 3330	Women, Gender, and Leadership	3
Philosophy		
PHIL 2350	Ethical Issues in a Diverse Society	
PHIL 3380	Feminist Philosophy	
Political Science		
POLS 3850	Women in Politics	
Psychology		
PSYCH 3460	Psychology of Women	
PSYCH 3470	U.S. Latino/a Psychology	
Religious Studies		
RELIG 2100	Religion in America	
RELIG 3280	Native American Religions (RELIG 3330)	
RELIG 3340	Africana Religions	
RELIG 3360	Religion, Sex and Gender	
RELIG 3520	Religions of India	
RELIG 3580	Islam	
Sociology		

SOC 2350	Social Problems and American Values
SOC 3270	Gender and Sexualities in Society
SOC 3300	Ethnic and Race Relations
SOC 3310	Social Class and Inequality
SOC 3320	The Latino/Latina Experience in U.S. Society
SOC 3500	Human Diversity in Agriculture and the Food System

U.S. Latino/a Studies

USLS 2110	Introduction to U.S. Latino/a Studies
USLS 3230A	Latin American Anthropology: Violence and Memory
USLS 3230B	Latin American Anthropology: Social movements and Democracy
USLS 3230C	Latin American Anthropology: Race, Class and Gender
USLS 3230D	Latin American Anthropology: Regional Focus
USLS 3230E	Latin American Anthropology: Culture and Sport
USLS 3430	Latin American Government and Politics
USLS 3470	U.S. Latino/a Psychology
USLS 3710	Mexican American History
USLS 3720	Latina/o History
USLS 4730	Civil Rights and Ethnic Power

Women's and Gender Studies

WGS 2010	Introduction to Women's and Gender Studies
WGS 2030	Introduction to Lesbian Communities
WGS 2050	Introduction to Queer Studies
WGS 2100	Gender and Sexuality in American Pop Culture
WGS 3010	International Perspectives on Women and Gender
ENVS 3200	Ecofeminism
WGS 3210	Economics of Discrimination
WGS 3230	Gender and Communication
WGS 3250	Portrayals of Gender and Sexualities in the Media
WGS 3270	Gender and Sexualities in Society
WGS 3330	Women, Gender, and Leadership
WGS 3360	Religion, Sex and Gender
WGS 3380	Feminist Philosophy
WGS 3420	Culture, Sex, and Gender
WGS 3460	Psychology of Women
AFAM 3500	Women of Color in the U.S
WGS 3520	Queer Literature
WGS 3740	Sex, Gender, and Culture in the Ancient Mediterranean World

WGS 3800 History of Women in Science, Technology, and Medicine

WGS 3850 Women in Politics

WGS 3860 History of Women in America

WGS 4350 Gender, Globalization and Development

WGS 4570 History of American Sexualities

WGS 4940 Women/Gender in Art

World Languages and Cultures

WLC 3520 Religions of India

WLC 3580 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 3000-4000 level credits in the minor must be taken at Iowa State University. Nine credits must be isolated to the minor only.

AMD 2040	Textile Science	4
AMD 2310	Product Development and Manufacturing	4
AMD 3050	Quality Assurance of Textiles and Apparel	3
AMD 4040	Innovative Textiles	3
Select one for 3 credits from:		
AESHM 4700N	Supervised Professional Internship: Apparel	
AMD 4900A	Independent Study: Textile Science	
AMD 4990	Undergraduate Research	

Merchandising Certificate

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

AMD 2750	Retail Merchandising	3
AMD 3750	Omni-Channel Retailing	3
AMD 3760	Merchandise Planning and Buying	4
AMD 4750	Retail Analytics	3
Select from:		9
AESHM 2870	Principles of Management in Human Sciences	
AESHM 3400	Hospitality and Apparel Marketing Strategies	
AESHM 3420	Aesthetics of Consumer Experience	
AESHM 4700N	Supervised Professional Internship: Apparel	
AESHM 4740	Entrepreneurship in Human Sciences	
AMD 1650	Dress, Appearance, and Diversity in U.S. Society	
AMD 2450	Aesthetics and Brand Image	
AMD 3720	Sourcing and Global Issues	
AMD 3770	Visual Presentation and Promotions	
AMD 4670	Consumer Studies in Apparel and Fashion Products	
Total Credits		22

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.

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.