

# School of Human Sciences

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**Director: Michael E. Newman**

Office: (662) 325-2950

The mission of the School of Human Sciences is to improve the well-being of individuals, families, communities and related businesses and industries through teaching, research and outreach. An integrative approach is carried out in these program areas:

- **Agricultural Education, Leadership, and Communications (AELC)**
- **Fashion Design and Merchandising (FDM)**
- **Human Development and Family Science (HDFS)**

The School of Human Sciences currently has the following accreditations: American Association of Family and Consumer Sciences (AAFCS) and National Council for Accreditation of Teacher Education (NCATE) in Vocational Home Economics and Agriculture.

The commitment of Human Sciences' faculty and staff to excellence is evident in teaching, especially considering the growth, demand for the programs offered in the School, and the number of teaching and advising awards received by the faculty. The School of Human Sciences has more Grisham Master Teachers and CALS Excellence in Teaching Awards than any other unit within the Division and College. The School remains committed to this path of excellence, striving to provide students with contemporary programs and outstanding learning opportunities at the undergraduate and graduate levels. The School provides strong curricula and excellent teaching and advising.

The School's programs are strong components of the land grant institution, which is designed to provide outreach to the community and state. The School's commitment to this process is evident in several outreach programs, such as its early childhood development work. Human Sciences faculty and graduates work with people in and across a variety of settings, including homes; schools; clinical settings; community agencies and institutions; and business, industry, and government. Graduates are prepared to address the social and economic challenges that face the state and its communities.

## BS in Agricultural Education, Leadership, and Communications

**Academic Coordinator: Cappe Hallberg**

Office: (662) 325-7703

The Agriculture Education, Leadership, and Communications major equips graduates with the ability to inform and engage people about agricultural information and issues. This is achieved through curriculum emphasizing practical knowledge and hands-on experiences in teaching, leadership, and communications, in addition to well-rounded, individualized coursework in agricultural topics. Agricultural Education, Leadership, and Communications (AELC) graduates may become involved in a variety of occupations in agricultural business and industry, education, production, extension, and communications. The major requires 124 semester hours as shown in the catalog description. Students may choose to complete a concentration in Agricultural Education, Agricultural Leadership, or Agricultural Communications. The AELC concentrations are achieved by completing a combination of 60 hours of specified courses and restricted agriculture electives as approved by an AELC advisor. All students must earn at least a C in all AELC courses.

The Agricultural Education concentration prepares individuals seeking careers as an agricultural education teacher. The Agricultural Leadership concentration develops students' skills for employment with the Extension service or a variety of agricultural industry careers. The Agricultural Communications concentration develops students' abilities to communicate about agricultural and life sciences issues.

Students desiring to receive certification to teach in secondary agricultural education will need to complete certification requirements. The Agricultural Education teacher education program at Mississippi State University is Council for Accreditation of Education Preparation (CAEP) accredited. Students must conform to the policies on teacher education, as explained under "Teacher Licensure" elsewhere in this catalog.

Graduates will have knowledge of

1. principles of teaching and learning;
2. principles and theories of leadership;
3. principles of human communication; and
4. basic agricultural sciences.

Graduates will be able to

1. plan and conduct agricultural education programs in classroom and community settings;
2. communicate effectively orally and in writing to various audiences;
3. be proficient in computer applications; and
4. be readily prepared for employment.

In capstone courses, students produce and present reports that demonstrate the performance learning objectives. In addition to faculty assessment, external assessors from other departments and from typical clientele audiences observe presentations and provide feedback.

Field experience supervisors and co-curricular sponsors, along with student participants, provide feedback about the field experience using a form based on the learning objectives.

## Degree Requirements

### English Composition

EN 1103 or EN 1163	English Composition I Accelerated Composition I	3
EN 1113 or EN 1173	English Composition II Accelerated Composition II	3

### Mathematics

MA 1313	College Algebra	3
MA 1323 or MA /ST 2113	Trigonometry Introduction to Statistics	3

### Science

BIO 1134	Biology I	4
BIO 1144 or PSS 1313	Biology II Plant Science	3-4

### Extra Science (if appropriate)

CH 1043 or CH 1053 or CH 1213	Survey of Chemistry I Survey of Chemistry II Chemistry I	3
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### Humanities

Select from General Education courses		6
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### Fine Arts

Select from General Education courses		3
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### Social Sciences

AEC 2713 or EC 2113 or EC 2123	Introduction to Food and Resource Economics Principles of Macroeconomics Principles of Microeconomics	3
See concentration for second Social/Behavioral Science course.		3

### Major Core

ADS 1113	Animal Science	3
ADS 1121	Animal Science Laboratory	1
AELC 2413	Orientation to Agricultural Education, Leadership & Communications	3
AELC 3333	Professional Presentations in Agriculture and Life Sciences	3
AELC 3803	Foundations of Leadership in Agricultural and Life Sciences	3
AELC 4403	Development of Youth Programs	3
AELC 4424	Teaching Methods in Agricultural and Human Sciences	4
PSS 3301	Soils Laboratory	1
PSS 3303	Soils	3

### Oral Communication Requirement

Satisfied by the successful completion of AELC 3333 or AELC 4424

### Writing Requirement

AELC 3203	Professional Writing in Agriculture, Natural Resources, and Human Sciences	3
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### Computer Literacy

AELC 4203	Applications of Computer Tech to Agricultural Education, Leadership, and Communications	3
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## Agricultural Education Concentration

AELC 3013	Field Experience in Agricultural Education, Leadership and Communications	3
AELC 4113	Methods of Teaching Agriscience	3

AELC 4703	Experiential Learning Programs in Agriculture	3
AELC 4873	Professional Seminar in Agricultural Education	3
AELC 4886	Teaching Internship in Agricultural Education	6
AELC 4896	Teaching Internship in Agricultural Education	6
EDX 3213	Individualizing Instruction for Exceptional Children	3
PSY 1013	General Psychology	3
Restricted Plant Science Elective <sup>1</sup>		
Restricted Environmental Science Elective <sup>2</sup>		
Restricted Animal Science Elective <sup>3</sup>		
Agriculture electives		15-16
Free electives		6

<sup>1</sup> Select one course from PSS 1113, PSS 2343, PSS 2423, PSS 3133, PSS 3923, PSS 4103, PSS 4123, PSS 4133, PSS 4613, FO 2113

<sup>2</sup> Select one course from PSS 4333, FO 4513, or ENS 2103.

<sup>3</sup> Select one course from ADS 2102, ADS 2122, ADS 3142, ADS 3214, ADS 3223, ADS 3312, ADS 3314, ADS 4113, ADS 4212, ADS 4223, ADS 4232, ADS 4323, ADS 4813, PO 3313

## Agricultural Leadership Concentration

PHI 1123	Introduction to Ethics	3
or MGT 3823	Socially Responsible Leadership	
PSY 3623	Social Psychology	3
or PS 3013	Political Leadership	
CO 1003	Fundamentals of Public Speaking	3
or CO 3213	Small Group Communication	
or CO 3803	Principles of Public Relations	
AELC 3813	Team Leadership for Agriculture & Life Sciences	3
AELC 4803	Contemporary Issues in Agriculture and Life Sciences	3
PSY 1013	General Psychology	3
or PS 1113	American Government	
or SO 1003	Introduction to Sociology	
Agricultural Leadership Elective		
Choose one of the following:		
ENS 2103	Introduction to Environmental Science	3
or PS 2703	Introduction to Public Policy	
AELC 3500	Internship in Agricultural Leadership	1-6
Professional Electives <sup>1</sup>		18
Ag/Business/Communication Electives <sup>2</sup>		12
Free electives		6
<b>Total Hours</b>		<b>124</b>

<sup>1</sup> 18 hours of advisor-approved, 3000-4000 level, focus area electives related to career objective (see advisor for suggested areas)

<sup>2</sup> 12 hours Agriculture, Business, Management, Marketing, or Communication electives (to include all CALS 1000 level and above - ADS, AEC, AELC, PSS, ABE, WFA, FNH, LA, FO, PO, EPP; and MGT, MKT, CO, BL)

## Agricultural Communications Concentration

AELC 3603	Internship-Agricultural Communications	3
AELC 4223	Communications Strategies in Agriculture and Life Sciences	3
AELC 4803	Contemporary Issues in Agriculture and Life Sciences	3
CO 1403	Introduction to the Mass Media	3
CO 2333	Television Production	3
CO 2413	Introduction to News Writing and Reporting	3
CO 3403	Photographic Communication	3
CO 3713	Digital Communication	3

CO 3803	Principles of Public Relations	3
PSY 1013	General Psychology	3
or PS 1113	American Government	
or SO 1003	Introduction to Sociology	
Focus Area Electives <sup>1</sup>		24
Free Electives		6
Completing a minor in Communications, Political Science, or Art is recommended as a part of your program of study.		
<b>Total Hours</b>		<b>124</b>

<sup>1</sup> Electives must be advisor-approved, focus area-related to a career objective. (See advisor for suggested areas.) A maximum of 9 hours may be 1000- or 2000- level. All remaining hours must be 3000- or 4000-level courses taken at Mississippi State University.

## BS in Agricultural Science (AGS)

**Academic Coordinator: Cappe Hallberg**

Office: (662) 325-7703

The Agricultural Science degree prepares individuals for a variety of agricultural related careers. Many agricultural businesses and organizations are seeking graduates who have a diversified knowledge of agriculture and life sciences, which includes production agriculture, business, leadership and management. Many graduates become involved in agriculture business and industry, production agriculture operations, international agriculture development or pursue advanced study in areas such as nutrition and agricultural education.

Agricultural Science allows students to develop a high concentration of science and specialized agricultural study. Through the Agricultural Science degree program, a student can pursue a bachelor of science in agriculture and develop specialization areas that will serve his/her individual needs and interests. For the degree requirements, students must complete 124 hours, which includes 18 hours of science and 58 hours of agricultural science. Thirty hours will be agricultural science electives, which must be taken from two different agriculture focus areas within the College of Agriculture and Life Sciences. (See advisor for suggested focus areas.) The student should select agricultural focus areas that are closely related and complement each other and are related to the career objectives of the student. At least 12 hours in each agricultural focus area must be 3000-4000 level courses. The student will also have 14 hours of agriculture and science electives to complete which should also complement the selected agricultural focus areas. At least three hours must be a natural life science.

Graduates will have knowledge of

1. the diversified field of agriculture;
2. basic agricultural sciences;
3. leadership principles;
4. the basic principles of production; and
5. the application of basic science principles to production agriculture and agricultural business management.

Graduates will be able to

1. plan and conduct basic agricultural research;
2. manage an agricultural enterprise (business or production);
3. provide leadership in a variety of employment settings; and
4. communicate effectively orally and in writing to various audiences.

In various courses, students produce and present reports that demonstrate the performance learning objectives. In addition to faculty assessment, external assessors from other departments and from typical clientele audiences observe presentations and provide feedback.

Internship supervisors and co-curricular sponsors, along with student participants, provide feedback about the internship using a form based on the learning objectives.

## Degree Requirements

### English Composition

EN 1103	English Composition I	3
or EN 1163	Accelerated Composition I	
EN 1113	English Composition II	3
or EN 1173	Accelerated Composition II	

<b>Mathematics</b>		
MA 1313	College Algebra	3
Select from General Education courses		3
<b>Science</b>		
BIO 1134	Biology I	4
BIO 1144	Biology II	4
CH 1043	Survey of Chemistry I	3
or CH 1213	Chemistry I	
<b>Humanities</b>		
Select from General Education courses		6
<b>Fine Arts</b>		
Select from General Education courses		3
<b>Social Science</b>		
AEC 2713	Introduction to Food and Resource Economics	3
or EC 2113	Principles of Macroeconomics	
or EC 2123	Principles of Microeconomics	
Select from General Education courses		3
<b>Major Core</b>		
ABE 1863	Engineering Technology in Agriculture	3
ADS 1113	Animal Science	4
& ADS 1121	and Animal Science Laboratory	
AEC 3133	Introductory Agribusiness Management	3
AELC 3500	Internship in Agricultural Leadership	1-6
CH 1051	Experimental Chemistry	1
CH 1053	Survey of Chemistry II	3
or CH 1223	Chemistry II	
EPP 2213	Introduction to Insects	3
or EPP 4113	Principles of Plant Pathology	
PSS 1313	Plant Science	3
or BIO 2113	Plant Biology	
PSS 3301	Soils Laboratory	1
PSS 3303	Soils	3
15 hours from each of two agriculture focus areas <sup>1</sup>		30
Agriculture/science electives <sup>1,2</sup>		14
Free electives		6
<b>Oral Communication Requirement</b>		
AELC 3333	Professional Presentations in Agriculture and Life Sciences	3
<b>Writing Requirement</b>		
AELC 3203	Professional Writing in Agriculture, Natural Resources, and Human Sciences	3
<b>Computer Literacy</b>		
AELC 4203	Applications of Computer Tech to Agricultural Education, Leadership, and Communications	3
<b>Total Hours</b>		<b>124</b>

<sup>1</sup> See advisor for approved courses.

<sup>2</sup> 3 hours must be a natural/life science.

## BS in Human Development and Family Science (HDFS)

**Academic Coordinator: Cappe Hallberg**

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This degree offers an interdisciplinary lifespan approach to the study of children, youth, and families. It encompasses specialty areas in preschool teaching, child life, child development, youth development, family science, child life, and family and consumer sciences teacher education. Students develop an awareness of trends, issues, and public policy affecting families; analyze factors that influence cognitive, emotional, social, and physical

development in the contexts of culture and family. Graduates enter diverse public and private sectors that focus on enabling children, youth, and families to function effectively in today's complex society.

Specific course work is required to specialize in each area or meet Class A teacher licensure requirements for family and consumer sciences in the state of Mississippi. Specific course work is also required to specialize in child life, preschool education, youth development, or family science. A grade of "C" or better is required for all major courses (Human Development and Family Science courses). A student will not be allowed to register for HDFS classes after the initial semester until he or she has submitted an application for a federal background check. If the background check comes back unapproved, the student will not be allowed to continue in the program until the problem is resolved. Students are responsible for paying the fees for the background check.

## Degree Requirements

English (General Education)	6
Fine Arts (General Education)	3
Natural Sciences (2 labs required from Gen Ed)	6-8
BIO 1004 required for Child Life Concentration	
Extra Science (if appropriate)	3
(HS 2293 Individual and Family Nutrition required for FCS Education)	
(Select from Gen Ed courses for Child Development, Child Life, Youth Development, and Family Science)	
Math (General Education)	6
Humanities (General Education)	6
Social/Behavioral Sciences (General Education)	6
(HDFS 1813 and EPY 3543 are required for FCS Education)	
(Select from Gen Ed courses for Child Development, Youth Development, and Family Science)	

### Major Core

HS 1701	Survey of Human Sciences	1
HS 4701	Internship Placement Seminar	1
HS 4702	Research and Application in Human Sciences	2
HDFS 2813	Child Development	3
HDFS 3303	Consumer Economics	3
HDFS 4333	Families, Legislation and Public Policy	3
HDFS 4424	Teaching Methods in Agricultural and Human Sciences	4
HDFS 4803	Parenting	3
HDFS 4853	The Family: A Human Ecological Perspective	3
HDFS 4883	Risk, Resilience and Preventive Interventions	3
Writing Requirement		3
AELC 3203	Professional Writing in Agriculture, Natural Resources, and Human Sciences	3
or EDF 3413	Writing for Thinking	
or EPY 3513	Writing in the Behavioral Sciences	
or MGT 3213	Organizational Communications	

## Child Development Concentration

The child development concentration explores the growth and development of children (conception until adolescence) within the family system and sociocultural milieu. This coursework prepares students to be become competent early care and education professionals, parent educators, child advocates, and early interventionists within the public, private, and non-profit sectors. Students learn real-world application through lab experiences at the Child Development and Family Studies Center and internships in settings that align with the students' career goals. PreK-K teaching candidates must complete a PreK-K Teacher Candidacy Internship under the supervision of a licensed teacher. To be eligible for PreK-K teaching licensure in Mississippi, students must pass the Praxis Core or have a cumulative ACT score of at least 21; have a GPA of at least 2.75; and pass the Praxis II Early Childhood Principles of Teaching and Learning (5621) and the Praxis II Child Development (5024).

HDFS 1813	Individual and Family Development through the Lifespan	3
HDFS 2803	Prenatal and Infant Development	3
HDFS 3803	Creativity & Play in Young Children	3
HDFS 3813	Lifespan Theory	3
HDFS 3823	Methods & Materials for Early Care and Education Programs	3
HDFS 3843	Guiding Young Children's Behavior & Social Development	3

HDFS 4760 or HDFS 4740	Child Development Internship PreK-K Teacher Candidacy Internship	12
HDFS 4823	Development and Administration of Child Service Programs	3
HS 2283	Child Health and Nutrition	3
EDE 3233	Teaching Children's Literature at the Elementary and Middle Levels	3
EDX 3213	Individualizing Instruction for Exceptional Children	3
CO 1003 or CO 1013	Fundamentals of Public Speaking Introduction to Communication	3
COE 4013	Facilitative Skills Development	3
Computer Literacy Course (satisfied by TKT 1273 or BIS 1012)		2-3
Electives		8
<b>Child Development Concentration total hours</b>		<b>124</b>

## Child Life Concentration

A concentration in Child Life provides the student with an overview of the role of the child life specialist working with children and their families in a health care setting. The primary emphases of the child life concentration are on student demonstration of knowledge, skills, and abilities required to assume the responsibilities of a child life professional. This includes involvement in the assessment of patients and families; planning and delivering child life services to patients including medical play, pre-procedural teaching, use of distractions, etc; and evaluating the effectiveness of the interventions and plan.

HDFS 1813	Individual and Family Development through the Lifespan	3
HDFS 2803	Prenatal and Infant Development	3
HDFS 3803	Creativity & Play in Young Children	3
HDFS 3813	Lifespan Theory	3
HDFS 3823	Methods & Materials for Early Care and Education Programs	3
HDFS 3843	Guiding Young Children's Behavior & Social Development	3
HDFS 4770 or HDFS 4760 or HDFS 4740	Child Life Internship Child Development Internship PreK-K Teacher Candidacy Internship	12
HDFS 4823	Development and Administration of Child Service Programs	3
HDFS 4832	Child Life Clinical	2
HDFS 4833	The Hospitalized Child	3
CO 1003 or CO 1013	Fundamentals of Public Speaking Introduction to Communication	3
COE 4013	Facilitative Skills Development	3
EDE 3233	Teaching Children's Literature at the Elementary and Middle Levels	3
EDX 3213	Individualizing Instruction for Exceptional Children	3
Computer Literacy Course (satisfied by TKT 1273 or BIS 1012)		3
Electives		6
<b>Child Life Concentration total hours</b>		<b>124</b>

## Youth Development Concentration

The Youth Development curriculum prepares students to understand and work effectively with children and adolescents, ages 10-18, in a variety of settings. The program provides students with a comprehensive view of the needs and developmental characteristics of youths, as well as the challenges facing today's youths. Emphasis is placed on understanding how youth development does not occur in isolation but is situated in, and affected by, contexts such as relationships, family, neighborhood/ community, school, culture, the economy, and society. Youth Development students gain valuable real-world experience through a required field experience course and an internship. Students are also able to develop specific areas of specialization to fit their career interests by choosing from a generous variety of focus area courses.

HDFS 1813	Individual and Family Development through the Lifespan	3
HDFS 3000	Field Experience	1-6
HDFS 3813	Lifespan Theory	3
HDFS 4780	Youth Development Internship	12
HDFS 4873	Positive Youth Development	3
PSY 4223	Drug Use and Abuse	3

or SW 4533	Substance Abuse and Addictions in Social Work Services	
CO 1003	Fundamentals of Public Speaking	3
or CO 1013	Introduction to Communication	
Computer Literacy Course (satisfied by TKT 1273 or BIS 1012)		2-3
Choose three of the following:		9
AELC 4403	Development of Youth Programs	
PSY 3413	Human Sexual Behavior	
EDX 3213	Individualizing Instruction for Exceptional Children	
COE 4013	Facilitative Skills Development	
EPY 3543	Psychology of Adolescence	
Choose 15 hours from the following:		15
HDFS 3833	Human Development in the Context of Leisure and Recreation	
HS 3673	Environments for Special Needs	
EDX 4423	Teaching the Disadvantaged Child	
EPY 3503	Principles of Educational Psychology	
EPY 3553	Giftedness/Creativity	
EPY 4053		
SO 2203	Cultural and Racial Minorities	
SO 3213	Introduction to Social Research	
SO 3313	Deviant Behavior	
SO 3503	Violence in the United States	
SO 3603	Criminological Theory	
SO 4233	Juvenile Delinquency	
SO 4333	Sociology of Sport	
PE 3033	Basketball and Football Officials	
PE 3133	Adapted Physical Education	
KI 2213	Emergency Health Care	
PE 3433	General Safety Methods	
MGT 3114	Principles of Management and Production	
MGT 3213	Organizational Communications	
MGT 3513	Introduction to Human Resource Management	
MGT 3813	Organizational Behavior	
MGT 4563	Staffing in Organizations	
MKT 3013	Principles of Marketing	
MKT 3213	Retailing	
MKT 4113	Personal Selling	
MKT 4123	Advertising	
Electives		5
<b>Youth Development Concentration total hours</b>		<b>124</b>

## Family Science Concentration

The Family Science program helps students discover, verify, and apply knowledge about the family. Family Science students gain valuable real-world experience through a required field experience course and an internship, and graduates are able to receive provisional certification through the National Council on Family Relations as Certified Family Life Educators, recognizing their competence in a broad range of ten family-related content areas. They are prepared to address societal issues including economics, education, work-family issues, parenting, sexuality, gender, substance abuse, domestic violence, unemployment, debt, and child abuse within the context of the family. Graduates can work in a variety of governmental, non-profit, religious, and private agencies.

HDFS 1813	Individual and Family Development through the Lifespan	3
HDFS 3000	Field Experience	1-6
HDFS 3813	Lifespan Theory	3
HDFS 4313	Family Resource Management	3
HDFS 4403	Introduction to Gerontology	3



HDFS 4790	Family Science Internship	12
HDFS 4813	Adult Development: The Middle Years	3
HDFS 4843	Family Interaction	3
HDFS 4873	Positive Youth Development	3
HDFS 4883	Risk, Resilience and Preventive Interventions	3
HS 3673	Environments for Special Needs	3
CO 1003	Fundamentals of Public Speaking	3
or CO 1013	Introduction to Communication	
COE 4013	Facilitative Skills Development	3
PSY 3413	Human Sexual Behavior	3
PSY 4223	Drug Use and Abuse	3
or SW 4533	Substance Abuse and Addictions in Social Work Services	
Electives		5
Computer Literacy course (satisfied by TKT 1273 or BIS 1012)		3
<b>Family Science Concentration total hours</b>		<b>124</b>

## Family and Consumer Sciences Teacher Ed Concentration

The Family and Consumer Sciences teacher education program at Mississippi State University is NCATE accredited. Students must conform to the policies on teacher education, as explained under "Teacher Licensure" elsewhere in this catalog. Following is a list of courses taught in selected Mississippi high schools and vo-tech centers: family dynamics, resource management, nutrition and wellness, family and individual health, personal development, and child development. Family and Consumer Sciences teachers can also teach in high school Occupational Programs (such as food production, childcare, and clothing production). Some additional on-the-job training is required to teach these courses. Completion of a Bachelor of Science in Human Development and Family Science (Family and Consumer Sciences Education emphasis) degree from the School of Human Sciences at Mississippi State University leads to licensure to teach these courses.

FDM 1533	Apparel Construction	3
HDFS 2803	Prenatal and Infant Development	3
HDFS 3000	Field Experience	1-6
HDFS 4313	Family Resource Management	3
HDFS 4462	Curriculum in FCS Education	2
HDFS 4886	Teaching Internship in FCS Education	6
HDFS 4896	Teaching Internship in FCS Education	6
HS 2203	Science of Food Preparation	3
HS 2283	Child Health and Nutrition	3
HS 2603	Interior Design Fundamentals	3
EDF 3333	Social Foundations of Education	3
EDF 4243	Planning for the Diversity of Learners	3
EDX 3213	Individualizing Instruction for Exceptional Children	3
EPY 3143	Human Development and Learning Strategies in Education	3
EPY 3253	Evaluating Learning	3
EDS 3411	Practicum in Secondary Education	1
EDS 4873	Seminar in Managing the Secondary Classroom	3
KI 1803	Health Trends and Topics	3
PSY 3413	Human Sexual Behavior	3
Electives		1
Computer Literacy (Satisfied by successful completion of HDFS 3303)		
Oral Communication Requirement (satisfied by successful completion of HDFS 4424)		
<b>Family and Consumer Sciences Teacher Ed Concentration total hours</b>		<b>124</b>

## BS in Fashion Design and Merchandising (FDM)

This degree is designed to provide students with an understanding of fashion and textile industries, consumer behavior, product development, business principles, and technology applications. Students select a concentration in one of two areas: Design and Product Development or Merchandising. Design and Product Development emphasizes the total design and production process from inception to finished product and its ultimate sale to the consumer. Merchandising combines an overview of the fashion industry, consumer behavior, product development, planning, buying business

operations and entrepreneurship. Specialized labs and industry software provide students with extensive hands-on experience in the latest design, product development, and fashion retailing technology applications. A grade of "C" or better is required for all major courses (Human Sciences and Fashion Design and Merchandising courses).

## Degree Requirements

English (General Education)		6
Fine Arts (General Education)		3
Natural Sciences (2 labs required from Gen Ed)		6
Extra Science (if appropriate)		3
Any Gen Ed Science Course		
Math (General Education)		6
MA 1313	College Algebra	
BQA 2113 or ST 2113	Business Statistical Methods I <sup>1</sup> Introduction to Statistics	
Humanities (General Education)		6
3 hours Foreign Language		
3 hours Gen Ed course		
Social/Behavioral Sciences (Gen Ed)		6
PSY 1013 or SO 1003	General Psychology <sup>2</sup> Introduction to Sociology	
EC 2113	Principles of Macroeconomics	
<b>Major Core Courses</b>		
FDM 1523	Visual Design in Dress	3
FDM 2524	Textiles for Apparel	4
FDM 2553	Introduction to Merchandising	3
FDM 2593	Product Development II	3
FDM 3221	Internship Preparation	1
FDM 3553	Merchandise Retail Pricing and Inventory Management	3
FDM 3563	Visual Merchandising	3
FDM 3573	Historic Costume	3
HS 1701	Survey of Human Sciences	1
HS 4702	Research and Application in Human Sciences	2
FDM 4763	FDM Internship <sup>3</sup>	3
<b>Oral Communication Requirement</b>		
FDM 4424	Teaching Methods in Agricultural and Human Sciences	4
<b>Writing Requirement</b>		
FDM 4513	Fashion Consumer Behavior	3
<b>Computer Literacy</b>		
FDM 2123	Product Development I	3

<sup>1</sup> Required for Pre-MBA emphasis; B or higher in MBA prerequisite courses

<sup>2</sup> SO 1003 is required for the Sociology emphasis

<sup>3</sup> Two 3-credit hour internships are required.

## Merchandising Concentration

The merchandising concentration explores the business and product development aspects of the apparel industry from finalized design to the end-use by consumers and beyond. This coursework prepares students to become competent in pursuing careers in merchandising, buying, fashion forecasting, fashion communications, fashion business and retail operations. Students learn real-world application through lab experiences and internships in settings that align with the students' career goals. Students must complete two internships in a related position.

FDM 2153	Fashion Apparel Analysis	3
FDM 2333	Intro to Buying and Management	3
FDM 4533	Merchandise Planning and Buying	3
FDM 4583	Fashion Entrepreneurship	3

FDM 4603	Global Sourcing in the Textile and Apparel Industry	3
FDM 4693	Digital Merchandising	3

**Select one of the emphasis areas below:****General Merchandising**

Choose 18 hours from any of the courses offered in the emphasis areas below or select program related electives approved by academic advisor 18

**Business Administration (Pre-MBA)**

Choose any 6 of the following:

ACC 2013	Principles of Financial Accounting	3
ACC 2023	Principles of Managerial Accounting	3
BIS 3233	Management Information Systems	3
BL 2413	The Legal Environment of Business	3
BQA 2113	Business Statistical Methods I	3
BQA 3123	Business Statistical Methods II <sup>1</sup>	3
EC 2123	Principles of Microeconomics	3
FIN 3123	Financial Management <sup>1</sup>	3
MGT 3114	Principles of Management and Production <sup>1</sup>	4
MKT 3013	Principles of Marketing	3

**Communication Studies**

CO 1223	Introduction to Communication Theory	3
CO 2253	Fundamentals of Interpersonal Communication	3
CO 3833	Interviewing in Communication	3
CO 4203	Nonverbal Communication	3
CO 4223	Advanced Communication Theory	3
CO 4243	Rhetorical Theory	3

**Entrepreneurship**

MGT 3323	Entrepreneurship	3
MGT 3333	Field Studies in Entrepreneurship	3
BL 4243	Legal Aspects of Entrepreneurship	3
FIN 4323	Entrepreneurial Finance	3
MKT 4423	Strategic Brand Management	3
GE 3011	Engineering Entrepreneurship Seminar	1

**Finance**

FIN 3113	Financial Systems	3
FIN 3123	Financial Management	3
FIN 3723	Financial Markets and Institutions	3
FIN 4223	Intermediate Financial Management	3
FIN 4423	Investments	3
FIN 4923	International Financial Management	3

**Information Technology Services**

Choose any 6 of the following courses:

TKB 3133	Administrative Management and Procedures	3
TKB 4283	Advanced Office Systems	3
TKB 4543	Information Processing	3
TKB 4563	Introduction to Data Networks	3
TKB 4583	Graphics and Web Design	3
TKT 3463	Computer Repair and Maintenance	3
TKT 4343	Information Technology Project Management	3
TKT 4743	Elements of Electronic Desktop Publishing	3
TKT 4753	Media for Presentations, Instruction and Gaming	3
TKT 4813	Introduction to Instructional Systems	3

**Management**

MGT 3813	Organizational Behavior	3
MGT 3114	Principles of Management and Production	4
MGT 3513	Introduction to Human Resource Management	3
Choose any 3 of the following courses:		
MGT 3323	Entrepreneurship	3
MGT 3333	Field Studies in Entrepreneurship	3
MGT 3823	Socially Responsible Leadership	3
MGT 4153	Management Seminar	3
MGT 4533	Advanced Human Resource Management	3
MGT 4543	Compensation Management	3
MGT 4563	Staffing in Organizations	3
MGT 4613	Cross-Cultural Management	3
<b>Marketing</b>		
MKT 3013	Principles of Marketing	3
MKT 4413	Consumer Behavior	3
Choose any 4 of the following courses:		
MKT 3213	Retailing	3
MKT 3323	International Logistics	3
MKT 3933	International Marketing	3
MKT 4033	International Transportation	3
MKT 4113	Personal Selling	3
MKT 4123	Advertising	3
MKT 4143	Sales Management	3
MKT 4213	Internet Marketing	3
MKT 4313	Physical Distribution Management	3
MKT 4333	International Supply Chain Management	3
MKT 4533	Marketing Research	3
MKT 4613	Services Marketing	3
<b>Sociology</b>		
SO 2203	Cultural and Racial Minorities	3
SO 3213	Introduction to Social Research	3
Choose any 3 SO designated courses at the 2000 level or above and include at least 1 4000 level SO course.		
Free Electives		10
<b>Total Hours</b>		<b>124</b>

<sup>1</sup> Required for Pre-MBA emphasis (B or higher in MBA prerequisite courses)

## Design and Product Development Concentration

The Design and Product Development concentration explores the creative and product development aspects of the apparel industry from trend innovation and concept to an end-use product and beyond. This coursework prepares students to become competent in pursuing careers in creative design, technical design, visual merchandising, styling, fashion communications, fashion forecasting, and related creative industries. Students learn real-world application through lab experiences and internships in settings that align with the students' career goals. Students must complete two internships in a related position.

FDM 1533	Apparel Construction	3
FDM 2573	Fashion Portfolio Development	3
FDM 4343	Pattern Making and Design	3
FDM 4363	Draping	3
FDM 4593	Creative Design Techniques	3
FDM 4733	Computer-Aided Design for Fashion	3

**Select one of the emphasis areas below:**

### General Design and Product Development

Choose 18 hours from any of the courses offered in the emphasis areas below or select program-related electives approved by academic advisor 18

**Art**

Choose 18 credit hours of courses with an ART prefix. One or more 1000-level courses and one 2000-level course must be completed in addition to at least three 3000- or 4000-level courses

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**Business Administration (Pre-MBA)**

Choose any 6 of the following:

ACC 2013	Principles of Financial Accounting <sup>1</sup>	3
ACC 2023	Principles of Managerial Accounting	3
BIS 3233	Management Information Systems	3
BL 2413	The Legal Environment of Business	3
BQA 2113	Business Statistical Methods I <sup>1</sup>	3
BQA 3123	Business Statistical Methods II <sup>1</sup>	3
EC 2123	Principles of Microeconomics	3
FIN 3123	Financial Management <sup>1</sup>	3
MGT 3114	Principles of Management and Production <sup>1</sup>	4
MKT 3013	Principles of Marketing	3

**Communication Studies**

CO 1223	Introduction to Communication Theory	3
CO 2253	Fundamentals of Interpersonal Communication	3
CO 3833	Interviewing in Communication	3
CO 4203	Nonverbal Communication	3
CO 4223	Advanced Communication Theory	3
CO 4243	Rhetorical Theory	3

**Entrepreneurship**

MGT 3323	Entrepreneurship	3
MGT 3333	Field Studies in Entrepreneurship	3
BL 4243	Legal Aspects of Entrepreneurship	3
FIN 4323	Entrepreneurial Finance	3
MKT 4423	Strategic Brand Management	3
GE 3011	Engineering Entrepreneurship Seminar	1

**Finance**

FIN 3113	Financial Systems	3
FIN 3123	Financial Management	3
FIN 3723	Financial Markets and Institutions	3
FIN 4223	Intermediate Financial Management	3
FIN 4423	Investments	3
FIN 4923	International Financial Management	3

**Information Technology Services**

Choose any 6 of the following courses:

TKB 3133	Administrative Management and Procedures	3
TKB 4283	Advanced Office Systems	3
TKB 4543	Information Processing	3
TKB 4563	Introduction to Data Networks	3
TKB 4583	Graphics and Web Design	3
TKT 3463	Computer Repair and Maintenance	3
TKT 4343	Information Technology Project Management	3
TKT 4743	Elements of Electronic Desktop Publishing	3
TKT 4753	Media for Presentations, Instruction and Gaming	3
TKT 4813	Introduction to Instructional Systems	3

**Management**

MGT 3813	Organizational Behavior	3
MGT 3114	Principles of Management and Production	4
MGT 3513	Introduction to Human Resource Management	3

Choose any 3 of the following courses:

MGT 3323	Entrepreneurship	3
MGT 3333	Field Studies in Entrepreneurship	3
MGT 3823	Socially Responsible Leadership	3
MGT 4153	Management Seminar	3
MGT 4533	Advanced Human Resource Management	3
MGT 4543	Compensation Management	3
MGT 4563	Staffing in Organizations	3
MGT 4613	Cross-Cultural Management	3
<b>Marketing</b>		
MKT 3013	Principles of Marketing	3
MKT 4413	Consumer Behavior	3

Choose any 4 of the following courses:

MKT 3213	Retailing	3
MKT 3323	International Logistics	3
MKT 3933	International Marketing	3
MKT 4033	International Transportation	3
MKT 4113	Personal Selling	3
MKT 4123	Advertising	3
MKT 4143	Sales Management	3
MKT 4213	Internet Marketing	3
MKT 4313	Physical Distribution Management	3
MKT 4333	International Supply Chain Management	3
MKT 4533	Marketing Research	3
MKT 4613	Services Marketing	3
<b>Sociology</b>		
SO 2203	Cultural and Racial Minorities	3
SO 3213	Introduction to Social Research	3

Choose any 3 SO designated courses at the 2000 level or above and include at least 1 4000 level SO course.

Free Electives	10
<b>Total Hours</b>	<b>124</b>

<sup>1</sup> Required for Pre-MBA emphasis (B or higher in MBA prerequisite courses)

## Agricultural Education, Leadership, and Communications (AELC) Minor

The Agricultural Education, Leadership, and Communications (AELC) minor is offered to allow students in other majors to develop leadership and human relation skills needed by new graduates entering the agriculture workforce. Students will enhance their communication, leadership, problem-solving, and interpersonal skills to become effective employees in the agricultural workforce. Students must complete a minimum of 16 hours of AELC coursework from a list of approved courses.

<b>Required courses</b>	10
AELC 2413	Orientation to Agricultural Education, Leadership & Communications
AELC 3803	Foundations of Leadership in Agricultural and Life Sciences
AELC 4424	Teaching Methods in Agricultural and Human Sciences
<b>Electives (choose two of the following)</b>	<b>6</b>
AELC 3333	Professional Presentations in Agriculture and Life Sciences
AELC 4103	Principles and Practices of Extension Education
AELC 4403	Development of Youth Programs
AELC 4503	International Agricultural Education
<b>Total Hours</b>	<b>16</b>

## Gerontology Minor/Certificate

Graduate Certificate Coordinator: Associate Professor Joe Wilmoth

Undergraduate Minor Coordinator: Associate Professor Carolyn Adams-Price

The Gerontology Minor/Certificate provides students with current factual and theoretical data along with practical experience relating to the process of aging. It is a multidisciplinary effort with contributions from a variety of departments cutting across several colleges. Students completing the requirements will earn a minor/certificate in gerontology.

This area of study is open to students from all colleges within the University. The Gerontology Minor/Certificate was developed to supplement the student's chosen major. Undergraduate students wishing to complete the Gerontology minor requirements will select a major in addition to electing 15 hours of gerontology course work.

## Undergraduate Minor Requirements: (minimum 15 hours)

HDFS 4403	Introduction to Gerontology	3
Choose at least three of the following:		
COE 4713	Issues in Aging	
EP 4123	Aging and Physical Activity	
EP 4143	Aging and Disability	
HDFS 4813	Adult Development: The Middle Years	
HDFS 4863	Consumer Aspects of Aging	
PSY 4983	Psychology of Aging	
SO 4413	Aging and Retirement in American Society	
SW 3023	Human Behavior and the social Environment II	
SW 4623	Social Work with the Aged	
DIS (could be a Practicum in Aging)		
Choose one of the following (may include courses from above):		
FNH 3163	Basic Principles of Health Promotion	
FNH 3723	Community Nutrition	
FNH 4123	Nutrition and Chronic Disease	
FNH 4233	Medical Nutrition Therapy	
FNH 4353	Nutrition Throughout the Life Cycle	
HS 3673	Environments for Special Needs	
HDFS 4333	Families, Legislation and Public Policy	
PSY 4983	Psychology of Aging	
SO 4423	Health and Society	
SW 3003	Social Work with At-Risk Populations	
SW 4633	Social Work in Health Care	
<b>Total Hours</b>		<b>15</b>

## Graduate Certificate Requirements (minimum 13 hours)

HDFS 6403	Introduction to Gerontology	3
Choose at least three of the following:		
PSY 6983	Psychology of Aging	
SO 6413	Aging and Retirement in American Society	
SO 6433	Sociology of Death and Dying	
HDFS 6863	Consumer Aspects of Aging	
HDFS 6813	Adult Development: The Middle Years	
COE 8813	Counseling Elderly Clients	
COE 6713	Issues in Aging	

## Trauma-Informed Child Advocacy Certificate

Professionals working with children and families need training in trauma-informed practices. This certificate program complement the MSU HDFS degree and other majors taught across departments and colleges by providing state of the science techniques used to assist and advocate for children and families who have experienced trauma. The certificate requires a minimum of 12 hours of coursework (4 courses) focused on trauma and risk, child advocacy, human behavior and behavioral strategies, and/or family functioning.

<b>Required courses</b>		<b>9</b>
HDFS 2023	Trauma Informed Practice	
HDFS 2123	Perspectives on Child Maltreatment and Child Advocacy	
HDFS 3123	Global Child Advocacy Issues (or other departmental approved 3 hour course)	
<b>Electives</b>		<b>3</b>
HDFS 3843	Guiding Young Children's Behavior & Social Development	
HDFS 4803	Parenting	
PSY 3213	Psychology of Abnormal Behavior	
PSY 3363	Behavioral Modification	
SO 4153	Mentoring for At-Risk Youths	
or CRM 4153	Mentoring for At-Risk Youths	
or SLCE 4153	Mentoring for At-Risk Youths	
SW 4613	Child Welfare Services	
Other courses, including special topics courses (2990 and 4990) will be considered for elective credit on a case-by-case basis.		

## Retail Certificate

The Retail Certificate offered by the Fashion Design and Merchandising (FDM) program will complement existing B.S. degree tracks by adding an opportunity to students from any program to complete a formal and coherent grouping of courses with a retail focus. The goal of the Retail Certificate is to introduce current students to the dynamics of the retail industry and to provide them knowledge and tools to be successful in a rapidly growing industry. Recipients of the certificate will be equipped with professional knowledge and technical skills to manage real world daily operations of a retail business and be ready for successful careers in the ever growing and changing retail industry.

### Required Courses

FDM 2553	Introduction to Merchandising	3
FDM 2333	Intro to Buying and Management	3
FDM 3553	Merchandise Retail Pricing and Inventory Management	3
FDM 4693	Digital Merchandising	3
<b>Electives</b>		<b>6</b>
Select two electives approved by the Retail Certificate coordinator in your area of specialization		
<b>Total Hours</b>		<b>18</b>