

# FAMILY AND CONSUMER SCIENCES EDUCATION AND STUDIES

**Family and Consumer Sciences Education and Studies** offers a curriculum for the Bachelor of Science degree.

Graduates in Family and Consumer Sciences Education and Studies have a broad understanding of individual and family well-being. Graduates apply knowledge and research in family and consumer sciences content in global professional settings. They work in an integrative fashion to improve well-being by addressing and acting on complex problems confronting individuals, families, and communities. The study of Family and Consumer Sciences Education incorporates the following 16 areas (<http://www.nasafacs.org/national-standards-and-competencies.html>): Career, Community and Family Connections; Consumer and Family Resources; Consumer Services; Education and Early Childhood; Facilities Management and Maintenance; Family; Family and Community Services; Food Production and Services; Food Science, Dietetics, and Nutrition; Hospitality, Tourism and Recreation; Housing and Interior Design; Human Development; Interpersonal Relationship; Nutrition and Wellness; Parenting; and Textiles, Fashion and Apparel.

Students in the curriculum choose one of three options: Teacher Licensure, Communications, or Professional Studies.

Graduates of the Teacher Licensure option may teach family and consumer sciences in middle, junior high, and senior high schools. Students who enroll in Teacher Licensure must apply and be accepted into the teacher education program prior to enrolling in advanced courses and must meet general education requirements for teacher licensure. This program option is approved by the Iowa Department of Education for the preparation of comprehensive and occupational career and technical education family and consumer sciences teachers.

Graduates of the Communications option have a broad-based knowledge of family and consumer sciences and the ability to communicate in a global and technologically changing society. They are able to plan, develop, creatively present and evaluate information. Students apply the principles of educational presentations, journalism, marketing, and public relations to the family and consumer sciences field within businesses, agencies, and organizations that work to empower individuals, families, and communities.

Graduates of the Professional Studies option pursue individualized career goals in family and consumer sciences that apply integrative knowledge of family and consumer sciences in diverse careers for global settings. Students are prepared to work in a variety of careers ranging from non-profit organizations to the private sector in a business or entrepreneurial venture working with family nutrition, financial planning, life planning, current issues or other topics from the 16 content areas that affect individuals, families and communities.

Students in FCEDS may choose coursework that leads to becoming a Certified Family Life Educator (CFLE), a program that has been approved by the National Council on Family Relations. These courses provide the basic education for students interested in working with families, including adolescents, parents, or adults working to strengthen relationships. The student takes courses that support the development of knowledge and skills in family life content areas selected by the National Council on

Family Relations. The certification is a voluntary credential that requires the individual to complete a degree in an approved program and to have at least two years of work experience in family life education settings. Iowa State University does not grant the Certified Family Life Educator credential. The certification is granted only by the National Council on Family Relations. See <http://www.hdfs.hs.iastate.edu/undergraduate-majors/cfle/> and/or <http://www.ncfr.org/cfle-certification>.

Graduates may also choose from one of several nationally recognized professional certifications available from the American Association of Family and Consumer Sciences (AAFCS) Council for Certification. This program measures competencies of FCS professionals using high-quality, rigorous assessments. Certifications that are currently available are (<http://www.aafcs.org/CredentialingCenter/Certification.asp>): **CFCS**: Certified in Family and Consumer Sciences; **CFCS-HDFS**: Certified in Human Development and Family Studies; **CFCS-HNFS**: Certified in Hospitality, Nutrition, and Food Science; and **CPFFE**: Certified Personal and Family Finance Educator.

Opportunities are available for obtaining a minor from other programs through careful selection of elective credits and consultation with an adviser. For example, students pursuing the Communications and Professional Studies options are encouraged to consider obtaining a minor in journalism and mass communications or in one of the content areas of family and consumer sciences such as Financial Counseling and Planning. They also are encouraged to enhance their program by selecting relevant additional courses in their area of interest. Students in the Teacher Licensure option may choose to add a minor (for example: Learning Technologies) or an additional endorsement such as Health Education, Middle School, ESL, Multi-Occupations, or Coaching Interscholastic Athletics.

There is also an opportunity to obtain a family and consumer sciences-general endorsement or teacher licensure as a post baccalaureate student.

Communication Proficiency Requirement: A student must achieve a grade of C or higher in ENGL 150, Critical Thinking and Communication, and ENGL 250, Written, Oral, Visual, and Electronic Composition. A student achieving a grade of C- or lower in 150 and/or 250 must either repeat the course(s), earning a minimum grade of C, or, in consultation with the adviser and the coordinator of freshman English, complete another appropriate English writing course with a minimum grade of C.

The HD FS department offers an Educational Services in Family and Consumer Sciences minor. The minor consists of at least 15 credits including 6 credits taken at Iowa State University in courses numbered 300 or above.

The Educational Services in Family and Consumer Sciences minor may be earned by completing 15 credits:

FCEDS 206	Professional Roles in Family and Consumer Sciences	2
FCEDS 306	Educational Principles for Family and Consumer Sciences and Family Life Education	4
FCEDS 413	Planning and Assessment for Family and Consumer Sciences and Family Life Education	4
FCEDS 491A	Supervised Experiences in a Professional Setting: Communications	5

or FCEDS 491B Supervised Experiences in a Professional Setting:  
Professional Studies

**Total Credits 15**

**Family and Consumer Sciences Education and Studies,  
B.S.-communications option**

**Freshman**

Fall	Credits	Spring	Credits
HD FS 102	3	CHEM 160 (or Natural Sciences Course from approved FCEDS list)	3
HD FS 110	3	1 FS HN 167	3
HD FS 183	4	1 STAT 101 or 104	4
LIB 160	3	1 FS HN 342 or SOC 134	3
ENGL 150	0.5	3 HD FS 103	0.5
RELIG 205 <sup>Humanities course</sup>	3	Humanities Course from approved FCEDS list	3
PSYCH 131 <sup>HD FS Learning Community Selection-elective</sup>	1		
<b>13</b>		<b>16.5</b>	

**Sophomore**

Fall	Credits	Spring	Credits
FCEDS 206	3	2 ENGL 250	3
AESHM 287	3	3 HD FS 249	3
ECON 101	3	3 HD FS 283	3
BIOL 101 or 155	3	3 HD FS 377	3
HD FS 218	3	2 P R 305	3
HD FS 239	3	3 COMST 102, 214, 218, SP CM 212, or SP CM 312	3
<b>16</b>		<b>18</b>	

**Junior**

Fall	Credits	Spring	Credits
ENGL 302	3	3 ENGL 314	3
FCEDS 306	3	4 HD FS 369	3
HD FS 276	3	3 HD FS 486	3
HD FS 367	3	3 Elective	3
H S 215	3	3 P R 220	3
<b>16</b>		<b>15</b>	

**Senior**

Fall	Credits	Spring	Credits
AESHM 379	6	3 FCEDS 491A <sup>3-6 credits</sup>	6
HD FS 395	8	3 Electives <sup>(5-9 credits to equal 123.5 total credits)</sup>	8
HD FS 449	3		
JL MC 242	3		
DSN S 232, JL MC 341, JL MC 462, JL MC 476, or JL MC 477	3		
<b>15</b>		<b>14</b>	

**Total Credits: 123.5**

**Family and Consumer Sciences Education and Studies,  
B.S.-professional studies option**

**Freshman**

Fall	Credits	Spring	Credits
HD FS 102	3	CHEM 160 (or Natural Sciences course from approved FCEDS list)	3
HD FS 110	3	1 FS HN 167	3
HD FS 183	3	1 FS HN 342 or SOC 134	3
LIB 160	0.5	1 HD FS 103	0.5
ENGL 150	3	3 MATH or STAT Course <sup>from approved FCEDS list</sup>	3
PSYCH 131 <sup>HD FS Learning Community Selection-elective</sup>	3	1 CHS Elective	3
RELIG 205 <sup>Humanities course</sup>	3		
<b>13</b>		<b>15.5</b>	

**Sophomore**

Fall	Credits	Spring	Credits
FCEDS 206	3	2 ENGL 250	3
HD FS 218	3	2 HD FS 249	3
HD FS 239	3	3 COMST 102, 214, 218, SP CM 212, or SP CM 312	3
ECON 101	3	3 HD FS 283	3
BIOL 101 or 155	3	3 HD FS 276	3
CHS Elective	3	3 HD FS 377	3
<b>16</b>		<b>18</b>	

**Junior**

Fall	Credits	Spring	Credits
HD FS 341, 383, or 482	3	3 HD FS 369	3
HD FS 367	3	3 ENGL 302 or 314	3
AESHM 342, PHIL 340, or A M D 362	3	3 HD FS 486	3
CHS Elective (300 level or above)	3	3 CHS Elective (300 level or above)	3
Natural Sciences, Social Sciences, Humanities or Art & Design Course	3	3 Natural Sciences, Social Sciences, Humanities or Art & Design Course	3
<b>15</b>		<b>15</b>	

**Senior**

Fall	Credits	Spring	Credits
AESHM 379	6	3 FCEDS 491B (3-6 credits)	6
HD FS 395	3	3 H S 215	3
AESHM 474 or MGMT 310	4	3 Electives <sup>to equal 123.5 total credits</sup>	4
HD FS 449	3		
Humanities Course <sup>from approved FCEDS list</sup>	3		
P R 220, 305, ENGL 302, or ENGL 314	3		
<b>18</b>		<b>13</b>	

**Total Credits: 123.5**

## Family and Consumer Sciences Education and Studies, B.S.- teacher licensure option

Freshman		
Fall	Credits Spring	Credits
C I 204	3 C I 219	1
ENGL 150	3 FS HN 167	3
HD FS 102	3 FS HN 342 or SOC 134	3
HD FS 110 or 111	1 HD FS 276	3
LIB 160	1 HD FS 283	3
PSYCH 131 <sup>HD FS Learning Community Selection-elective</sup>	1 MATH or STAT Course (from approved FCEDS list)	3
RELIG 205 (Humanities course)	3 HD FS 103	0.5
Take PRAXIS 1 CORE		
<b>15</b>		<b>16.5</b>

Sophomore		
Fall	Credits Spring	Credits
FCEDS 206	2 CHEM 160	3
C I 202	3 ENGL 250	3
HD FS 239	3 HD FS 224	3
BIOL 101 or 155	3 A M D 204	4
COMST 102, 214, 218, SP CM 212, or SP CM 312	3 FS HN 111	2
Apply to Teacher Ed	FS HN 115	1
<b>14</b>		<b>16</b>

Junior		
Fall	Credits Spring	Credits
FCEDS 306	4 FCEDS 418	3
FCEDS 480B	1 FCEDS 413	4
A M D 121	3 C I 333	3
Humanities	3 SP ED 401	3
HD FS 249	3 HD FS 227 or 226	3
<b>14</b>		<b>16</b>

Senior		
Fall	Credits Spring	Credits
One of the following:	2-3 FCEDS 417A	8
ARTID 250	FCEDS 417B	8
ARTID 251	PRAXIS II in content & pedagogy to be taken prior to license approval	
ARTID 255		
ARTID 356		
ARTID 355		
FCEDS 480B	1	
C I 406	3	
C I 426	3	
ECON 101	3	

One of the following: HD FS 342, 383, 395; AESHM 379; AMD 165; H S 110; or MKT 340

<b>15-16</b>	<b>16</b>
<b>Total Credits: 122.5-123.5</b>	

US Diversity and International Perspectives Requirement: Students in Family and Consumer Sciences Education fulfill the US Diversity by taking AESHM 379 and the International Perspectives Requirement by taking FS HN 342.

Note: This sequence is only an example. The number of credits taken each semester should be based on the individual student's situation. Factors that may affect credit hours per semester include student ability, employment, health, activities, and grade point consideration.

## Curriculum in Family and Consumer Sciences Education and Studies

Administered by the Department of Human Development and Family Studies. Leading to a degree bachelor of science.

This curriculum provides a broad-based program of study focusing on preparation for professional careers related to education or community leadership. Courses are required in general education and the College core.

Students in the program choose one of three options: Teacher Licensure, Communications, or Professional Studies.

Option 1, **Teacher Licensure**, is designed for students seeking careers as family and consumer sciences educators in a variety of settings such as middle, junior high, and senior high schools. Further information about licensure programs appears under Teacher Education.

Option 2, **Communications**, is designed for students seeking careers emphasizing the use of principles in journalism, marketing, communications, and public relations with diverse populations in business or social agency settings as well as extension, community agencies, community colleges, and youth and adult education programs in the global community.

Option 3, **Professional Studies**, is designed to provide students with the opportunity to pursue an individualized program which is planned with their academic advisers. Careers include working with diverse populations in Extension, business, community agencies, and community colleges, or non-profit groups and organizations involving youth and adult education programs.

A minor in Educational Services in Family and Consumer Sciences is available, see requirements under Human Development and Family Studies Courses and Programs or in the catalog section Family and Consumer Sciences Education and Studies.

Total Credits required: 121.5-123.5

## Communications and Library

ENGL 150	Critical Thinking and Communication **	3
ENGL 250	Written, Oral, Visual, and Electronic Composition **	3
One of the following		3
COMST 102	Introduction to Interpersonal Communication	
COMST 214	Professional Communication	

COMST 218	Conflict Management	
SP CM 212	Fundamentals of Public Speaking	
SP CM 312	Business and Professional Speaking	
LIB 160	Information Literacy	1
<b>Total Credits</b>		<b>10</b>

\*\* Must receive a "C" or above.

### Natural Sciences and Mathematical Disciplines

BIOL 101	Introductory Biology	3
or BIOL 155	Human Biology	
STAT 101	Principles of Statistics <small>Communications Option</small>	3-4
or STAT 104	Introduction to Statistics	
	or approved MATH or STAT course from FCEDS list (Teacher Licensure & Professional Studies)	
CHEM 160	Chemistry in Modern Society	3
	Teacher Licensure and Communications must have completed high school Chemistry	
<b>Total Credits</b>		<b>9-10</b>

### Social Sciences

ECON 101	Principles of Microeconomics	3
HD FS 102	Individual and Family Development, Health, and Well-being *	3
One of the following		3
FS HN 342	World Food Issues: Past and Present	
SOC 134	Introduction to Sociology	
<b>Total Credits</b>		<b>9</b>

\*Students in Teacher Licensure must receive a "C-" or above

### Humanities

Select 6 credits from FCEDS list of approved Humanities courses.

Total Credits: 6

### Family and Consumer Sciences Education and Studies Core

HD FS 103	Professional Principles for Working with Children and Youth	.5
HD FS 110	Freshman Learning Community Orientation	1
or HD FS 111	New Transfer Student Seminar	
FCEDS 206	Professional Roles in Family and Consumer Sciences **	2
HD FS 239	Housing and Consumer Issues *	3
HD FS 276	Human Sexuality *	3
HD FS 283	Personal and Family Finance *	3
<b>Total Credits</b>		<b>12.5</b>

\*Students in Teacher Licensure must receive a "C-" or above

\*\* Students in Teacher Licensure must receive a "C" or above.

Total Credits: 75-76

### Option 1: Teacher Licensure

Total Credits for FCEDS (Teacher Licensure): 121.5-123.5

CI 202	Learning Technologies in the 7-12 Classroom **	3
CI 204	Social Foundations of Education in the United States **	3
CI 219	Orientation to Teacher Education: Math, Science, FCS Education, and History/Social Science Majors	1
CI 333	Educational Psychology **	3
CI 406	Multicultural Foundations of School and Society: Introduction **	3
CI 426	Principles of Secondary Education **	3
FCEDS 306	Educational Principles for Family and Consumer Sciences and Family Life Education **	4
FCEDS 413	Planning and Assessment for Family and Consumer Sciences and Family Life Education **	4
FCEDS 418	Foundations of Career and Technical Education in Family and Consumer Sciences **	3
FCEDS 417A	Supervised Teaching in Family and Consumer Sciences: Vocational family and consumer sciences. **	8
FCEDS 417B	Supervised Teaching in Family and Consumer Sciences: Family and consumer sciences. **	8
FCEDS 480A	Pre-Student Teaching Experience in FCS Education: Practicum in FCS Labs (24 hours)	1
FCEDS 480B	Pre-Student Teaching Experience in FCS Education: Practicum in Diverse Settings (24 hours)	1
FS HN 111	Fundamentals of Food Preparation *	2
FS HN 115	Food Preparation Laboratory *	1
FS HN 167	Introduction to Human Nutrition *	3
HD FS 224	Development in Young Children: Birth through Age 8 *	3
HD FS 249	Parenting and Family Diversity Issues *	3
A M D 121	Apparel Assembly Processes *	3
A M D 204	Textile Science *	4
SP ED 401	Teaching Secondary Students with Exceptionalities in General Education **	3
One of the following		3
ARTID 250	Fundamentals of Interior Design *	
ARTID 251	Human Factors in Design *	
ARTID 255	Forces That Shape Interior Space *	
ARTID 355	Interior Design History/Theory/Criticism I *	
ARTID 356	Interior Design History/Theory/Criticism II *	
One of the following		3
HD FS 226	Development and Guidance in Middle Childhood *	
HD FS 227	Adolescent and Emerging Adulthood *	
One of the following		3
AESHM 379	Community Leadership: Examination of Social Issues *	
A M D 165	Dress and Diversity in Society *	
HD FS 342	Guidance and Group Management in Early Childhood *	
HD FS 383	Fundamentals of Financial Planning *	
HD FS 395	Children, Families, and Public Policy *	
H S 110	Personal and Consumer Health *	
MKT 340	Principles of Marketing *	

\*Must receive a "C-" or above

\*\* Must receive a "C" or above.

## Option 2: Communications

Total Credits for FCEDS (Communication Option): 123.5

AESHM 287	Principles of Management in Human Sciences	3
AESHM 379	Community Leadership: Examination of Social Issues	3
ENGL 302	Business Communication	3
ENGL 314	Technical Communication	3
FCEDS 306	Educational Principles for Family and Consumer Sciences and Family Life Education	4
FS HN 167	Introduction to Human Nutrition	3
HD FS 249	Parenting and Family Diversity Issues	3
HD FS 367	Abuse and Illness in Families	3
HD FS 369	Introduction to Research in Human Development and Family Studies	3
HD FS 377	Aging and the Family	3
HD FS 395	Children, Families, and Public Policy	3
HD FS 418B	Professional Practice Reflection/Discussion: Internships	2
HD FS 449	Program Evaluation and Proposal Writing	3
HD FS 486	Administration of Programs for Children, Adults and Families	3
P R 305	Publicity Methods	3
Choose 6 credits from the following		6
DSN S 232	Digital Design Communications	
P R 220	Principles of Public Relations	
JL MC 341	Contemporary Magazine Publishing	
JL MC 462	Media Ethics, Freedom, Responsibility	
JL MC 476	World Communication Systems	
JL MC 477	Ethnicity, Gender, Class and the Media	
JL MC 110	Orientation to Journalism and Communication	1
JL MC 201	Reporting and Writing for the Mass Media	3
P R 321	Public Relations Writing	3
FCEDS 491A	Supervised Experiences in a Professional Setting: Communications	6
Electives		12
<b>Total Credits</b>		<b>76</b>

## Option 3: Professional Studies

Total credits for FCEDS (Professional Studies): 123.5

AESHM 379	Community Leadership: Examination of Social Issues	3.0
FCEDS 306	Educational Principles for Family and Consumer Sciences and Family Life Education	4
One of the following:		3
AESHM 474	Entrepreneurship in Human Sciences	
MGMT 310	Entrepreneurship and Innovation	
FS HN 167	Introduction to Human Nutrition	3
HD FS 249	Parenting and Family Diversity Issues	3
HD FS 367	Abuse and Illness in Families	3

HD FS 369	Introduction to Research in Human Development and Family Studies	3
HD FS 377	Aging and the Family	3
HD FS 395	Children, Families, and Public Policy	3
HD FS 418B	Professional Practice Reflection/Discussion: Internships	2
HD FS 449	Program Evaluation and Proposal Writing	3
HD FS 486	Administration of Programs for Children, Adults and Families	3
One of the following		3
HD FS 341	Household Finance and Policy	
HD FS 383	Fundamentals of Financial Planning	
HD FS 482	Family Savings and Investments	
One of the following		3
AESHM 342	Aesthetics of Consumer Experience	
A M D 362	Cultural Perspectives of Dress	
PHIL 340	Aesthetics	
Two of the following		6
ENGL 302	Business Communication	
ENGL 314	Technical Communication	
P R 220	Principles of Public Relations	
P R 305	Publicity Methods	
FCEDS 491B	Supervised Experiences in a Professional Setting: Professional Studies	6

College of Human Science Electives, choose from AESHM, FCEDS, FS 13-14 HN, HD FS, HSP M, H S, or AMD (TC) minimum 9 credits at 300 level or above; elective total will vary to equal a total of 123.5 credits

University Electives	9
<b>Total Credits</b>	<b>76-77</b>

## Graduate Study

The Human Development and Family Studies department and the college of Human Sciences participates in several Master of Family and Consumer Sciences (MFCS) degree programs. See the following link for information on these options: <http://www.online.hs.iastate.edu/graduate-programs/masters/>.

### Courses primarily for undergraduates:

#### FCEDS 206: Professional Roles in Family and Consumer Sciences (1-1) Cr. 2. F.

*Prereq: HD FS 103 or concurrent enrollment in HD FS 103*

Influencing factors that have contributed to the development and mission of Family and Consumer Sciences. Program goals, objectives and professional ethics. Introduction to various roles in professional settings, e.g., community agencies, secondary schools, business and industry, and Cooperative Extension. Includes 12 hours of a practicum experience outside of the regular class schedule.

**FCEDS 306: Educational Principles for Family and Consumer Sciences and Family Life Education**

(3-2) Cr. 4. F.

*Prereq:* 15 credits in family and consumer sciences subject matter  
Principles of teaching and learning applied to family and consumer sciences content, including incorporating reading and STEM strategies. Instructional methods appropriate for formal and non-formal educational settings. Specific strategies for diverse audiences. Includes 12 hour arranged practicum. May be used for family life certification.

**FCEDS 413: Planning and Assessment for Family and Consumer Sciences and Family Life Education**

(3-2) Cr. 4. S.

*Prereq:* FCEDS 306

Development of curriculum and assessment tools for family and consumer sciences programs for school settings. Accommodating exceptional learners. Includes 12 hours of Career and Technical Student Organization Competitive Event Assessment. May be used for family life certification.

**FCEDS 417: Supervised Teaching in Family and Consumer Sciences**

Cr. 3-8. Repeatable. F.S.

*Prereq:* FCEDS 413; 24 credits in family and consumer sciences subject matter; cumulative grade point of 2.50; full admission to teacher education  
Supervised teaching experience in secondary schools. Examination of ways to implement actions that reflect a professional philosophy of family and consumer sciences for teaching middle and high school level students. Reservation required.

**FCEDS 417A: Supervised Teaching in Family and Consumer Sciences: Vocational family and consumer sciences.**

Cr. 3-8. Repeatable. F.S.

*Prereq:* FCEDS 413, 24 credits in family and consumer sciences subject matter, cumulative grade point of 2.50, full admission to teacher education  
Supervised teaching experience in secondary schools. Examination of ways to implement actions that reflect a professional philosophy of family and consumer sciences for teaching middle and high school level students. Reservation required.

**FCEDS 417B: Supervised Teaching in Family and Consumer Sciences: Family and consumer sciences.**

Cr. 3-8. Repeatable. F.S.

*Prereq:* FCEDS 413, 24 credits in family and consumer sciences subject matter, cumulative grade point of 2.50, full admission to teacher education  
Supervised teaching experience in secondary schools. Examination of ways to implement actions that reflect a professional philosophy of family and consumer sciences for teaching middle and high school level students. Reservation required.

**FCEDS 418: Foundations of Career and Technical Education in Family and Consumer Sciences**

(Dual-listed with FCEDS 518). (3-0) Cr. 3. S.

*Prereq:* 400 hours employment in a family and consumer sciences related field.

Philosophy of career and technical education. Historical development of family and consumer sciences. Planning and implementing programs in family and consumer sciences including FCCLA. Impact of selected legislation on family and consumer sciences programs. Techniques for cooperative education, school-to-work, and work-based education programs. May be used toward Multioccupations Endorsement.

**FCEDS 480: Pre-Student Teaching Experience in Family and Consumer Sciences Education**

(0-2) Cr. 1. Repeatable. F.S.

*Prereq:* Admission to teacher education.

Laboratory experience in foods, textiles and human development in family and consumer sciences secondary programs. At least 2 hour blocks of time needed for field experience. Observation of family and consumer sciences laboratories in diverse classrooms. Planning, implementing, managing and assessing laboratory lessons in family and consumer sciences. Offered on a satisfactory-fail basis only.

**FCEDS 480A: Pre-Student Teaching Experience in FCS Education: Practicum in FCS Labs (24 hours)**

(0-2) Cr. 1. Repeatable. F.S.

*Prereq:* Admission to teacher education

Laboratory experience in foods, textiles and human development in family and consumer sciences secondary programs. At least 2 hour blocks of time needed for field experience. Observation of family and consumer sciences laboratories in diverse classrooms. Planning, implementing, managing and assessing laboratory lessons in family and consumer sciences. Offered on a satisfactory-fail basis only.

**FCEDS 480B: Pre-Student Teaching Experience in FCS Education: Practicum in Diverse Settings (24 hours)**

(0-2) Cr. 1. Repeatable. F.S.

*Prereq:* Admission to teacher education.

Laboratory experience in foods, textiles and human development in family and consumer sciences secondary programs. At least 2 hour blocks of time needed for field experience. Observation of family and consumer sciences laboratories in diverse classrooms. Planning, implementing, managing and assessing laboratory lessons in family and consumer sciences. Offered on a satisfactory-fail basis only.

**FCEDS 490: Independent Study**

Cr. arr. F.S.SS.

**FCEDS 490G: Independent Study: General**

Cr. arr. F.S.SS.

**FCEDS 490H: Independent Study: Honors**

Cr. arr. F.S.SS.

**FCEDS 491: Supervised Experiences in a Professional Setting**

Cr. 3-8. Repeatable. F.S.SS.

*Prereq:* HD FS 418B; 24 credits in family and consumer sciences; reservation required

Supervised professional experience in an approved setting such as Cooperative Extension, business, community, human service, or government agency. Offered on a satisfactory-fail basis only.

**FCEDS 491A: Supervised Experiences in a Professional Setting: Communications**

Cr. 3-8. Repeatable, maximum of 8 credits. F.S.SS.

*Prereq:* HD FS 418B; 24 credits in family and consumer sciences; reservation required

Supervised professional experience in an approved setting such as Cooperative Extension, business, community, human service, or government agency. Offered on a satisfactory-fail basis only.

**FCEDS 491B: Supervised Experiences in a Professional Setting: Professional Studies**

Cr. 3-8. Repeatable, maximum of 8 credits. F.S.SS.

*Prereq: HD FS 418B; 24 credits in family and consumer sciences; reservation required*

Supervised professional experience in an approved setting such as Cooperative Extension, business, community, human service, or government agency. Offered on a satisfactory-fail basis only.

**Courses primarily for graduate students, open to qualified undergraduates:**

**FCEDS 500: Short Course: Current Family and Consumer Sciences Offerings**

Cr. 1-3. Repeatable. F.S.SS.

*Prereq: 6 credits in family and consumer sciences or education*

**FCEDS 500F: Short Course: Career and Technical Education**

Cr. 1-3. Repeatable. F.S.SS.

*Prereq: 6 credits in family and consumer sciences or education*

**FCEDS 500G: Short Course: General**

Cr. 1-3. Repeatable. F.S.SS.

*Prereq: 6 credits in family and consumer sciences or education*

**FCEDS 500K: Short Course: Textile Selection and Apparel Construction Methods**

Cr. 1-3. Repeatable. F.S.SS.

*Prereq: 6 credits in family and consumer sciences or education*

**FCEDS 507: Program Development and Assessment in Family and Consumer Sciences**

(3-0) Cr. 3. S.

*Prereq: Professional experience in family and consumer sciences or related area*

Application of principles of program development and assessment to formal and non-formal educational settings, e.g., secondary school family and consumer sciences programs, training positions in business, Cooperative Extension, human services agencies. Planning and constructing test items and other assessments of school and non-school learning.

**FCEDS 508: Models for Teaching Family and Consumer Sciences**

(3-0) Cr. 3. F.Alt. SS., offered odd-numbered years.

*Prereq: 6 credits in family and consumer sciences*

Selecting and applying teaching strategies and instructional materials based on theories of learning and human development that reflect a professional philosophy of family and consumer sciences. Application to formal and non-formal educational settings with diverse audiences.

**FCEDS 515: Assessment in Family and Consumer Sciences**

(3-0) Cr. 3. Alt. S., offered even-numbered years.

*Prereq: Introductory statistical and program development skills*

Role of assessment in family and consumer sciences education programs. Planning and constructing test items and other assessments of school and nonschool learning.

**FCEDS 518: Foundations of Career and Technical Education in Family and Consumer Sciences**

(Dual-listed with FCEDS 418). (3-0) Cr. 3. S.

*Prereq: 400 hours employment in a family and consumer sciences related field.*

Philosophy of career and technical education. Historical development of family and consumer sciences. Planning and implementing programs in family and consumer sciences including FCCLA. Impact of selected legislation on family and consumer sciences programs. Techniques for cooperative education, school-to-work, and work-based education programs. May be used toward Multioccupations Endorsement.