Family Consumer Science

College of Allied Health & Nursing
Department of Family Consumer Science
102 Wiecking Center • 507-389-2421
Website: http://ahn.mnsu.edu/fcs/

Chair: Jill Conlon
David Bissonnette, Joyce Bond, Susan Fredstrom, Daniel Moen, Heather Von Bank


The mission of the Department of Family Consumer Science is to promote the well-being of people, the enrichment of quality environments, and to prepare men and women to assume essential professional roles in a culturally diverse global society. The comprehensive program provides training for professional roles within dietetics, family consumer science education, child development and family studies, and food and nutrition.

Declaring an FCS Major. Students may declare an FCS major at any point in their academic program. Upon declaring an FCS major, an advisor is assigned. Full admission to the department and major requires:
- A minimum of 32 earned semester credit hours.
- A minimum cumulative GPA of 2.5. FCS Education majors need a minimum GPA of 2.75.

Contact the department for application procedures.

GPA Policy. All courses required for major or minor option must be at “C” level or higher.

Course Policy. For those options requiring FCS 440 (dietetics, food and nutrition major and minor): CHEM 111 and BIOL 330 must both be completed at “C” level or higher in order to receive permission to register.

P/N Policy. All FCS courses required for an option must be taken for a grade, except where P/N grading is mandatory.

FAMILY CONSUMER SCIENCE, BS
Degree completion = 120 credits

Required for Major (Option). Select one of the following options to correspond with personal and professional objectives:

CHILD DEVELOPMENT AND FAMILY STUDIES OPTION

This option helps prepare students to work with children, adults and families in a variety of human services, educational and community settings.

Required General Education
FCS 100 Personal and Family Living (3)

Major Common Core
FCS 101 Introduction to Family Consumer Science (3)

Major Restricted Electives

Family Consumer Science Electives
(choose 6 credits from the following FCS courses)
FCS 120 Clothing and People (2)
FCS 140 Introduction to Nutrition (3)
FCS 150 Food, Culture and You (3)
FCS 280 Orientation to Family Consumer Science Education (2)
FCS 331 Clothing Construction and Textiles (4)
FCS 473 Consumer Protection (3)

Child Development and Family Studies
(choose 18 credits from the following)
FCS 230 Child Care Psychology (3)
FCS 270 Family Housing (2)
FCS 360 Romantic Relationships (3)
FCS 402 Play and Child Development (3)
FCS 403 Parents and Peers and Adolescent Development (3)
FCS 446 Lifespan Nutrition (3)
FCS 474 Community Resources and Family Support (3)
FCS 478 Family Finance (3)
FCS 483 Adult Education in Family Consumer Science (3)
FCS 495 Intern: Early Child Family (3-4)
FCS 496 Selected Topics: FLCD
FCS 497 Internship (1-6)
FCS 498 Undergraduate Internship (1-6)

Major Emphasis: Child Development and Family Studies

FCS 275 Consumers in the Economy (3)
FCS 301 Lifespan Development (3)
FCS 303 Working with Families (3)
FCS 400 Culturally Diverse Family Systems (3)
FCS 401 Family Life Development (3)
FCS 414 Family Policy and Ethics (3)
FCS 482 Teaching Family Life/Parent Education (3)
FCS 488 Parenting Education (3)
FCS 496 Selected Topics: FLCD (2-3)
HLTH 311 Family Life & Sex Education (3)

Minor

Choose 16-36 credits from any minor

Becoming a Certified Family Life Educator (CFLE)

The Child Development and Family Studies program has been approved by the National Council on Family Relations. Minnesota State Mankato graduates with an CDFS major or minor who have taken the approved courses are eligible to become Certified Family Life Educators. Being a CFLE recognizes a broad understanding of family life issues. Certification is available to professionals from all disciplines who have met the requirements.

DIETETICS OPTION

The Dietetics Option* promotes growth among students wanting to become competent dietetics professionals by providing the ‘highest practicable quality’ advisory, academic, real-life and interactive opportunities while at Minnesota State Mankato, and by developing confidence and competence to advance after graduation to Dietetics Internship, graduate programs and/or related employment.

A student who chooses to become a Registered Dietitian (RD) upon graduation from Minnesota State Mankato will also need to:

a. Meet published requirements to receive a Verification Form from the Dietetics Director.

b. Apply, be accepted and complete a supervised practice program (Dietetic Internship).

c. Pass a national registration examination.

Minnesota State Mankato faculty are committed to positioning majors for successful transition from Minnesota State Mankato to Dietetic Internship and beyond. Regular and continuous advising is recommended to be successful.

Graduates are employed as RDs or non-RD nutritionists in health care; community, public health, and corporate fitness settings or as members of food management teams.

* The Dietetics Option, a Didactic Program in Dietetics (DPD) is accredited by the Accreditation Council for Education in Nutrition and Dietetics the accrediting agency for the Academy of Nutrition and Dietetics. Academy of Nutrition and Dietetics 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606. (800-877-1600 ext. 5400) www.eatright.org/ACEND.
FAMILY CONSUMER SCIENCE

Required General Education

BIOL 270 Microbiology (4)
CHEM 106 Chemistry of Life Process Part I (General) (3)
ENG 101 Composition (4)
IT 100 Introduction to Computing and Applications (4)
MATH 112 College Algebra (4)
SOC 101 Introduction to Sociology (3)
(choose 3 credits)
CMST 100 Fundamentals of Communication (3)
CMST 102 Public Speaking (3)
(choose 3 credits)
ETHN 101 Introduction to Multicultural & Ethnic Studies (3)
ETHN 150 Multi-Cultural/ Ethnic Experience (3)

Prerequisites to the Major

BIOL 220 Human Anatomy (4)
CHEM 111 Chemistry of Life Process Part II (Organic & Biochemistry) (5)
ENG 271W Technical Communication (4)
HLTH 321 Medical Terminology (3)
HLTH 475 Biostatistics (3)
PSYC 101 Introduction to Psychological Science (4)

Major Common Core

FCS 101 Introduction to Family Consumer Science (3)

Major Emphasis: Dietetics

(2 credits from FCS 497 required)
FCS 150 Food, Culture and You (3)
FCS 242 Nutrition for Healthcare Professionals (3)
FCS 252 Food Service Systems I (3)
FCS 340 Food Science (4)
FCS 342 Food Production Management (3)
FCS 350 Food Service Systems II (3)
FCS 420 Nutrition Assessment (3)
FCS 440 Nutrition II (3)
FCS 442 Medical Nutrition Therapy I (3)
FCS 446 Lifespan Nutrition (3)
FCS 447 Food Policy (3)
FCS 448 Medical Nutrition Therapy II (3)
FCS 483 Adult and Technical Education in Family Consumer Science (3)
FCS 492 Dietetics Seminar (2)
FCS 497 Internship (1-6)

FOOD AND NUTRITION OPTION

This option prepares graduates for various careers in health promotion, wellness, food service, and/or nutrition, (such as restaurant or school lunch management); research and development or quality assurance in the food industry; and/or in corporate food distribution, production, sales and service. A supervised internship during the major allows students to gain experience in a particular area of interest. While a minor is not required, it is strongly recommended in order to improve employment opportunities.

Required General Education

CHEM 106 Chemistry of Life Process Part I (General) (3)
CHEM 111 Chemistry of Life Process Part II (Organic & Biochemistry) (5)
ENG 271W Technical Communication (4)
FCS 140 Introduction to Nutrition (3)

Prerequisites to the Major

BIOL 220 Human Anatomy (4)
BIOL 330 Principles of Human Physiology (4)
HLTH 475 Biostatistics (3)

FAMILY CONSUMER SCIENCE EDUCATION BS TEACHING

Required Minor: None

Required General Education (35 credits)

FCS 100 Personal & Family Living (3)
FCS 140 Introduction to Nutrition (3)
HLTH 240 Drug Education (3)

Major Common Core

FCS 101 Introduction to Family Consumer Science (3)
### Major Emphasis

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCS 120</td>
<td>Clothing and People (2)</td>
</tr>
<tr>
<td>FCS 150</td>
<td>Food, Culture and You (3)</td>
</tr>
<tr>
<td>FCS 270</td>
<td>Family Housing (2)</td>
</tr>
<tr>
<td>FCS 275</td>
<td>Consumers in the Economy (3)</td>
</tr>
<tr>
<td>FCS 284</td>
<td>Foundations of FCS Education (3)</td>
</tr>
<tr>
<td>FCS 301</td>
<td>Lifespan Development (3)</td>
</tr>
<tr>
<td>FCS 331</td>
<td>Clothing Construction and Textiles (4)</td>
</tr>
<tr>
<td>FCS 340</td>
<td>Food Science (4)</td>
</tr>
<tr>
<td>FCS 400</td>
<td>Culturally Diverse Family Systems (3)</td>
</tr>
<tr>
<td>FCS 414</td>
<td>Family Policy and Ethics (3)</td>
</tr>
<tr>
<td>FCS 478</td>
<td>Family Finance (3)</td>
</tr>
<tr>
<td>FCS 484</td>
<td>Program Development in Family Consumer Science (4)</td>
</tr>
<tr>
<td>FCS 488</td>
<td>Parenting Education (3)</td>
</tr>
<tr>
<td>HLTH 311</td>
<td>Family Life &amp; Sex Education (3)</td>
</tr>
</tbody>
</table>

### Other Graduation Requirements

Required for Major (Professional Education, 30 credits) See the SECONDARY EDUCATION section for admission requirements to Professional Education and a list of required professional education courses.

**Required Minor: None**

#### FAMILY CONSUMER SCIENCE MINOR

The Department of Family Consumer Science offers a flexible minor consisting of 20 semester hours of approved FCS courses or other courses approved by advisor. Students may work with an FCS advisor to select the courses that will be most helpful. However, most students will benefit from a minor with one of three focus areas below.

**FOOD AND NUTRITION**

Students majoring in Nursing, Human Performance, Dental Hygiene, Food Science Technology, Community Health, or other similar majors can benefit from a Food and Nutrition minor.

**Required Courses (16 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCS 140</td>
<td>Introduction to Nutrition (3)</td>
</tr>
<tr>
<td>FCS 150</td>
<td>Food, Culture and You (3)</td>
</tr>
<tr>
<td>FCS 242</td>
<td>Nutrition for Healthcare Professionals (3)</td>
</tr>
<tr>
<td>FCS 420</td>
<td>Nutrition Assessment (3)</td>
</tr>
<tr>
<td>FCS 440</td>
<td>Nutrition II (3)</td>
</tr>
<tr>
<td>FCS 446</td>
<td>Lifespan Nutrition (3)</td>
</tr>
</tbody>
</table>

**Required Minor Electives**

(choose a minimum of 2 credits from any 300-400 level FCS courses)

#### CHILD DEVELOPMENT AND FAMILY STUDIES MINOR

A minor with a focus in Child Development and Family Studies is useful to a variety of students going into professions related to health and human services, especially those who will work with children and families. Students may choose any combination of 20 credits from the list of courses below for a minor. Other courses may be chosen with advisor approval. A minor in this area can enable students to become Certified Family Life Educators through National Council on Family Relations.

**Minor Elective (choose 20 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCS 100</td>
<td>Personal &amp; Family Living (3)</td>
</tr>
<tr>
<td>FCS 101</td>
<td>Introduction to Family Consumer Science (3)</td>
</tr>
<tr>
<td>FCS 230</td>
<td>Child Care Psychology (3)</td>
</tr>
<tr>
<td>FCS 270</td>
<td>Family Housing (2)</td>
</tr>
<tr>
<td>FCS 275</td>
<td>Consumers in the Economy (3)</td>
</tr>
<tr>
<td>FCS 301</td>
<td>Lifespan Development (3)</td>
</tr>
<tr>
<td>FCS 303</td>
<td>Working With Families (3)</td>
</tr>
<tr>
<td>FCS 400</td>
<td>Culturally Diverse Family Systems (3)</td>
</tr>
<tr>
<td>FCS 401</td>
<td>Family Life Development (3)</td>
</tr>
<tr>
<td>FCS 402</td>
<td>Play and Child Development (3)</td>
</tr>
<tr>
<td>FCS 403</td>
<td>Parents and Peers and Adolescent Development (3)</td>
</tr>
<tr>
<td>FCS 408</td>
<td>Family Life Dynamics (3)</td>
</tr>
</tbody>
</table>

### Consumer Studies Minor

Professionals in this business related area usually work with people in professions such helping consumers get the best product or service for their money, advocating for a good availability of choices, resolving consumer complaints to achieve fair solutions, and helping consumers with a variety of money management issues.

#### Core Course

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCS 101</td>
<td>Introduction to Family Consumer Science (3)</td>
</tr>
</tbody>
</table>

#### Consumer Related Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCS 376</td>
<td>Household Equipment (3)</td>
</tr>
<tr>
<td>FCS 275</td>
<td>Families in the Economy (3)</td>
</tr>
<tr>
<td>FCS 473</td>
<td>Consumer Protection (3)</td>
</tr>
<tr>
<td>FCS 474</td>
<td>Residential Mgmt. for Families and Special Needs People (4)</td>
</tr>
<tr>
<td>FCS 475</td>
<td>Family Policy (2)</td>
</tr>
<tr>
<td>FCS 478</td>
<td>Family Finance (2)</td>
</tr>
<tr>
<td>FCS 480</td>
<td>Teaching Family Life/Parenting Education (3)</td>
</tr>
<tr>
<td>FCS 483</td>
<td>Adult and Technical Education in Family Consumer Science (3)</td>
</tr>
<tr>
<td>FCS 488</td>
<td>Parenting Education (3)</td>
</tr>
<tr>
<td>FCS 496</td>
<td>Selected Topics: FLCD (2-3)</td>
</tr>
<tr>
<td>FCS 497</td>
<td>Internship (1-6)</td>
</tr>
<tr>
<td>HLTH 311</td>
<td>Family Life &amp; Sex Education (3)</td>
</tr>
</tbody>
</table>

#### Strongly Recommended Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRKT 310</td>
<td>Principles of Marketing (3)</td>
</tr>
<tr>
<td>MRKT 316</td>
<td>Consumer Behavior (3)</td>
</tr>
</tbody>
</table>

**COURSE DESCRIPTIONS**

**FCS 100 (3) Personal & Family Living**

Emphasizes individual growth and interpersonal relationships within our diverse society. Focuses on issues such as interpersonal communication, conflict resolution, mate selection, marriage and family issues, family strengths, stress and crises, parenting decision-making and parent-child relationships, resource management, and personal and family financial issues.

Fall, Spring

GE-5

**FCS 101 (3) Introduction to Family Consumer Science**

An overview of the scope of family consumer sciences and the career potentials of the profession.

Fall, Spring

**FCS 120 (2) Clothing and People**

Relationship of clothing to people from cultural, social, psychological, economic and aesthetic perspectives.

Fall

Diverse Cultures - Purple

**FCS 140 (3) Introduction to Nutrition**

An introductory nutrition class which emphasizes the scientific method and natural science principles from biochemistry, physiology, chemistry, and other sciences to explain the relationships between food and its use by the human body for energy, regulation, structure, and optimal health.

Fall, Spring

GE-3 non-lab
FCS 150 (3) Food, Culture and You
Introduces students to basic food preparation and culinary techniques. Students look at different cultures and the roles of individuals and nations in a global context using food habits as a model.
Fall, Spring

FCS 220 (3) Introduction to Fashion Merchandising
Variable

FCS 221 (3) Apparel Design: Flat Pattern
Variable

FCS 230 (3) Child Care Psychology
Principles of psychology applied to child rearing. Diverse Cultures - Gold

FCS 240 (3) Nutrition I
The science of six nutrient classes, including digestion through metabolism. Pre: Chemistry background
Fall, Spring

FCS 242 (3) Nutrition for Health Professionals
The science of six nutrient classes, including digestion through metabolism, and application of nutrition knowledge to clinical care, including weight control and common chronic conditions requiring nutrition therapy. Pre: BIOL 220, CHEM 106 or CHEM 111
Fall, Spring

FCS 252 (3) Food Service Systems I
Principles of food services operations related to menu planning, standardized recipes, production and service for profit and nonprofit settings. Includes the NRA ServSafe certification.
Fall

FCS 270 (2) Family Housing
Physical, psychological, social, and managerial aspects of housing. Reciprocal relationship between housing and people. Guidelines and basic principles in planning for individual and family needs.
Spring

FCS 275 (3) Consumers in the Economy
Economic decision making related to achieving maximum satisfaction from resources spent in the marketplace on housing, food, clothing, transportation, and other dimensions of the family. Basic information about the functions and responsibilities of the consumer, laws and agencies affecting consumer well-being and sources of help.
Fall

FCS 280 (2) Orientation to Family Consumer Science Education
Nature and scope of family consumer science education as a professional career. Identification of personal competencies and interests. Presentation of varied teaching methods and techniques.
Spring

FCS 281 (3) Aesthetic Applications in Family Consumer Science
Hands on applications of aesthetics in family consumer science using family consumer science computer software. Exploration of the historical, cultural, behavioral and technological influences on aesthetics within the context of family consumer science.
Variable

FCS 284 (3) Foundations of FCS Education
Nature and scope of family and consumer sciences (FCS) education for grades 5-12. Principles and application of traditional, career/technical and critical science FCS Education perspectives studied. Presentation of varied FCS teaching FCS teaching methods and techniques.
Alt-Fall

FCS 285 (3) Aesthetics in Family Consumer Science
An analysis of culturally diverse family systems in America; emphasis on relationships within the family and with the larger community across the family life cycle. Fall

FCS 301 (3) Lifespan Development
Study of the family from a historical perspective; in terms of the family system and the broader ecological system; in terms of stresses faced and coping responses. This course will address issues at each of four life stages: infancy and early childhood; the school years; transition from school to adult life; and the adult years.
Fall

FCS 303 (3) Working With Families
Study of the role of the family in the development of the young child. Provide teachers and care providers with knowledge and understanding of family systems and appropriate interactions with families. Students will participate in a service learning activity.
Fall, Spring

FCS 331 (4) Clothing Construction and Textiles
Introduction to principles and hands on application of construction techniques for clothing and home furnishings. Emphasis on terminology, equipment, application and practice of sewing skills. Emphasis on consumer aspect of textiles and applications. Student projects will be aligned with sewing skills and experience.
Spring

FCS 340 (4) Food Science
Study of why, how, and when physical and chemical phenomena occur during the preparation of food and its products. Includes discussion and laboratory experience demonstrating how preparation methods affect food quality, composition, and nutritive value. Pre: FCS 150
Fall

FCS 342 (3) Food Production Management
Planning, preparing and serving meals with emphasis on effective management, nutritive needs, purchasing, and equipment. Includes quantity food service laboratory.
Pre: FCS 252, FCS 340, FCS 350
Spring

FCS 350 (3) Food Service Systems II
Principles of food services management related to budgeting, food safety and operational sanitation, analysis and control of quality and quantity in institutional and public food service operations.
Pre: FCS 252
Spring

FCS 356 (3) Food Production Management
Planning, preparing and serving meals with emphasis on effective management, nutritive needs, purchasing, and equipment. Includes quantity food service laboratory.
Pre: FCS 252
Spring

FCS 360 (3) Romantic Relationships
This course is an in-depth examination and discussion of the many complex dynamics that make up romantic relationships. A diverse set of relationship topics are covered, including attachment, intimacy building and conflict diffusing strategies. Open discussion, critical thought, and application are encouraged via classroom and online opportunities.
Fall

FCS 370 (3) Housing and Lifestyle
Issues in lifestyle housing, e.g. aging, children, special needs, low income, head of family, and single person households. Study of housing types and designs including solar and earth sheltered. Constraints, deficiencies and evaluation of housing issues.
Pre: FCS 270
Variable

FCS 376 (2) Household Equipment

FCS 400 (3) Culturally Diverse Family Systems
An analysis of culturally diverse family systems in America; emphasis on relationships within the family and with the larger community across the family life cycle.
Fall

Diverse Cultures - Purple
FCS 401 (3) Family Life Development  
The course is a study of development through the family life cycle. Emphasis on developmental interaction and systems theory.  
Spring

FCS 402 (3) Play and Child Development  
An examination of the important role that play has in the cognitive, emotional, physical, and social development of the child from birth to adolescence.  
Summer

FCS 403 (3) Parents and Peers and Adolescent Development  
Examination of how adolescents' development are affected by their relationships with their parents and with their peers.  
Spring

FCS 408 (3) Family Life Dynamics  
Same as SOC 408.

FCS 414 (3) Family Policy and Ethics  
An examination, analysis, and application of the impact of law, public policy, and ethical principles on family life.  
Spring

FCS 414W (3) Family Policy and Ethics  
An examination, analysis, and application of the impact of law, public policy, and ethical principles on family life.  
Spring

FCS 415 (1-2) Student Organization  
The teacher-coordinator's role as a vocational club advisor.  
Variable

FCS 416 (2) Pre-School Child  
Study of preschool child by observation and participation in nursery school setting.  
Variable

FCS 417 (3) Principles of Wellness Coaching  
This course contains content associated with challenging entry-level certifications for wellness coaching. Health behavior change strategies are emphasized within the context of the health coaching theory, coaching relationship skills, well-being assessment, and goal setting.  
Fall, Spring

FCS 420 (3) Nutrition Assessment  
In-depth study and practice of nutrition assessment techniques including dietary histories, anthropometrics, physical signs and symptoms, and laboratory interpretation in various age groups and conditions. Students will use findings to determine nutritional needs and make nutritional diagnoses.  
Pre: FCS 240  
Spring

FCS 436 (3) Historic Costume  
Variable

FCS 437 (1-3) Topic: Textiles and Clothing  
Topics of current interest. May be repeated.  
Variable

FCS 438 (3) Merchandising Seminar  
Variable

FCS 439 (3) Nutrition for Physical Activity and Sport  
Provides in-depth exploration of the dietary needs of physically active individuals across the lifespan. Its laboratory component will focus on performance and interpretation of assessments commonly used to determine dietary and physiological status.  
Pre: FCS 140 or FCS 242  
Fall, Spring

FCS 439 (3) Nutrition II  
An advanced nutrition course in human metabolism, emphasizing the function and interaction of nutrients in metabolic and physiologic processes. A grade of "C" must be attained in CHEM 111 and BIOL 330 before taking this course.  
Pre: BIOL 330, CHEM 111, FCS 242  
Spring

FCS 442 (3) Medical Nutrition Therapy I  
The role and influence of dietetics in society, nutritional assessment and care plans, dietetic principles applied to normal and malnourished states. Case-based approach.  
Pre: FCS 440, HLTH 321  
Fall

FCS 444 (3) Experimental Food Science  
Food quality, safety, formulation, processing, preservation, and biotechnology are explored. Original food science experiments are planned, executed, interpreted, and presented using appropriate scientific techniques.  
Pre: ENG 271W, FCS 340, HLTH 475 or STAT 154  
Spring

FCS 445 (2) Food Preservation  
Principles of and laboratory experience in food preservation by drying, freezing, canning, pickling, and jelly making.  
Variable

FCS 446 (3) Lifespan Nutrition  
Study of nutritional needs of pregnancy, infancy, childhood, and adulthood. Experience in group dynamics in providing nutritional education to a target population.  
Pre: FCS 140, FCS 242  
Fall

FCS 447 (3) Food Policy  
The development, establishment, and execution of personal, local, federal and global food issues are studied. A previous nutrition course is not required. Graduate students, with the instructor, will develop an additional project, relating the student's major interest to food policy.  
Summer

FCS 448 (3) Medical Nutrition Therapy II  
The pathophysiological, nutrient assessment, planning and counseling aspects of biliary, surgical, endocrine, cardiovascular and renal conditions. Case-based approach.  
Pre: FCS 442  
Spring

FCS 451 (2) Integrating Service Values  
This course will provide the theoretical and practical foundations for integrating service-learning values into foods management practice.  

FCS 452 (3) Integrating Foodservice Software Into Practice  
This course will provide the theoretical and practical foundations for integrating current technologies into foods management practice.

FCS 454 (3) Sensory Evaluation and Food Product Development  
Principles of sensory evaluation and application of those principles and other food science by selecting, planning, conducting, and reporting on a food product development project.  
Pre: FCS 270 and FCS 370  
Variable

FCS 472 (2) Residential Management  
An in-depth exploration into planning and managing a variety of residential property facilities. Specifically addresses employment as a manager of such properties.  
Pre: FCS 270 and FCS 370  
Variable

FCS 473 (3) Consumer Protection  
Emphasizes the analyses and assessment of the effectiveness of consumer protection efforts. Emphasis will be placed on government laws, regulations, and agencies at the federal, state and local levels.  
Variable
FAMILY CONSUMER SCIENCE

FCS 474 (3) Community Resources and Family Support
The system approach to analyzing family situations to make decisions and correlate resources in the resolution of family managerial problems. Emphasis on the application of managerial skills to lifestyle situations: young-families, older adults, special needs, singles and low income. Spring

FCS 475 (2) Family Policy
An examination and analysis of the impact of law and public policy on family life. Spring

FCS 476 (1) Ethical Principles for Family-Life Professionals
An examination, analysis and application of ethical principles for family-life professionals. Spring

FCS 478 (3) Family Finance
Introduce students to the how’s and why’s of family financial management to reduce mistakes made in successfully managing financial aspects of life. For non-business majors. Variable

FCS 482 (3) Teaching Family Life/Parenting Education
Analyze issues and concerns related to family life education. Investigate teaching strategies and methods of evaluation. Preparation of appropriate lesson plans. Fall

FCS 483 (3) Adult and Technical Education in Family Consumer Science
Study of the philosophy, objectives, and implementation of adult and technical education for family consumer science professionals. Emphasis is placed on the knowledge and skills which are necessary for the process and preparation of delivering effective leader-led individual and group learning with concentration on methods, tools, and techniques employed in facilitating adult learning. Fall, Spring

FCS 484 (4) Program Development in Family Consumer Science
Philosophy, scope/sequence, curriculum, evaluation and administration of family consumer science educational programs for youth of varied abilities, interests, and socioeconomics levels. 12 hour program clinical required. Fall

FCS 487 (1-3) Topic: Family Consumer Science Education
Current issues and/or research findings to be announced as offered. May be repeated. Variable

FCS 488 (3) Parenting Education
A systems perspective on parent-child relationship. This course covers parent-child issues during the stages of human development. It also focuses on special needs children and families, cross-cultural issues and family violence. Emphasis is on research and theory and parenting education strategies. Fall

FCS 490 (1-3) Workshop
Workshop topics vary as announced in class schedule. May be repeated. Variable

FCS 491 (1-4) In-Service
May be repeated on each new topic. Variable

FCS 492 (2) Dietetics Seminar
Preparation for advancement in a career as a registered dietitian, including a first draft of the dietetic internship application. Pre: Graduation by the following May to December; FCS 498 or concurrent Fall