

Family Consumer Science

College of Allied Health & Nursing
 Department of Family Consumer Science
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 Website: <http://ahn.mnsu.edu/fcs/>

Chair: Jill Conlon

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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 ("C").
 Contact the department for application procedures.

GPA Policy. All courses required for an option must be at "C" level or higher.

P/N Grading 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

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

- FCS 120 Clothing and People (2)
- FCS 150 Food, Culture and You (3)
- FCS 270 Family Housing (2)
- FCS 275 Consumers in the Economy (3)
- FCS 284 Foundations of FCS Education (3)
- FCS 301 Lifespan Development (3)
- FCS 311 Family Life and Sex Education (3)
- FCS 331 Clothing Construction and Textiles (4)
- FCS 340 Food Science (4)
- FCS 400 Culturally Diverse Family Systems (3)
- FCS 414 Family Policy and Ethics (3)
- FCS 478 Family Finance (3)
- FCS 484 Program Development in Family Consumer Science (4)
- FCS 488 Parenting Education (3)

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

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) of the American Dietetic Association (ADA), is accredited by the Commission for Accreditation for Dietetics Education of the ADA, 120 South Riverside Plaza, Suite 2000 (800-877-1600).

Required General Education

- BIOL 105 General Biology I (4)
- CHEM 106 Introduction to Chemistry for Allied Health (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)
- (Choose 3 credits)
- POL 103W Thinking about Politics (3)
- POL 111 United States Government (3)

Prerequisites to the Major

- BIOL 220 Human Anatomy (4)
- BIOL 330 Principles of Human Physiology (4)
- CHEM 111 Chemistry of Life Processes (5)
- CSP 471 Interpersonal Helping Skills (3)
- ENG 271 Technical Communication (4)
- HLTH 321 Medical Terminology (3)
- PSYC 101 Psychology (4)
- (Choose 3 credits)
- HLTH 475 Biostatistics (3)
- STAT 154 Elementary Statistics (3)

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 Clinical Dietetics I (3)
- FCS 444 Experimental Food Science (3)

FAMILY CONSUMER SCIENCE

- FCS 446 Lifespan Nutrition (3)
- FCS 448 Clinical Dietetics II (3)
- FCS 483 Adult and Technical Education in Family Consumer Science (2)
- FCS 492 Dietetics Seminar (2)
- FCS 497 Internship (1-6)

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 (Choose 6 credits)

- 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)

- FCS 230 Child Care Psychology (3)
- FCS 270 Family Housing (2)
- FCS 402 Play and Child Development (3)
- FCS 403 Parents and Peers and Adolescent Development (3)
- FCS 446 Lifespan Nutrition (3)
- FCS 474 Residential Management for Families & Special Needs People (3)
- FCS 478 Family Finance (3)
- FCS 483 Adult Education in Family Consumer Science (2)
- FCS 484 Program Development in Family Consumer Science (4)
- 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 311 Family Life and Sex Education (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 (2)
- FCS 488 Parenting Education (3)
- FCS 496 Selected Topics: FLCD (2-3)

FLCD Options (choose 13-16 credits)

- FCS 303 Working with Families (2)
- FCS 408 Family Life Dynamics (3)
- FCS 416 Pre-School Child (2)
- FCS 446 Lifespan Nutrition (3)
- FCS 474 Residential Mgmt. for Families and Special Needs People (3)
- FCS 478 Family Finance (3)
- FCS 483 Adult and Technical Education in Family Consumer Science (2)
- FCS 496 Selected Topics: FLCD (2-3)

Minor

Choose 16-36 credits from any minor - any discipline 100-499

Students may also take select courses from the FLCD Options category without advisor approval. Other courses may be selected with advisor approval and a substitution/waiver form will need to be filed with the Office of the Registrar.

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 FLCD 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.

Required Minor: None.

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.

Family Consumer Science Core (3 credits)

- FCS 101 Introduction to Family Consumer Science (3)

Required for Major (33 credits)

- FCS 150 Food, Culture and You (3)
- FCS 240 Nutrition I (3)
- FCS 340 Food Science (4)
- FCS 440 Nutrition II (3)
- FCS 444 Experimental Food Science (3)
- FCS 446 Lifespan Nutrition (3)
- (Choose a minimum of 2 credits from the following)
- FCS 497 Internship (1-6)
- FCS 498 Undergraduate Internship (1-6)

Required Support Courses Choose a minimum of 12 credits (6 credits must be from FCS) from the following*:

- BIOL 270 Microbiology (4)
- BIOL 478 Food Microbiology and Sanitation (4)
- FCS 252 Food Service Systems I (3)
- FCS 275 Consumers in the Economy (3)
- FCS 342 Food Production Management (3)
- FCS 350 Food Service Systems II (3)
- FCS 420 Nutrition Assessment (3)
- FCS 439 Nutrition for Physical Activity and Sport (3)
- FCS 442 Clinical Dietetics I (3)
- FCS 454 Sensory Evaluation and Food Product Development (3)
- FCS 473 Consumer Protection (3)
- FCS 478 Family Finance (3)
- FCS 483 Adult and Technical Education in Family Consumer Science (2)
- HLTH 260 Introduction to Health Education (4)
- HLTH 361 Health Communications (4)

Non-FCS Required Courses (23 credits)

- BIOL 220 Human Anatomy (4)
- BIOL 230 Human Physiology (4)
- CHEM 106 Introduction to Chemistry for Allied Health (3)
- CHEM 111 Chemistry of Life Processes (5)
- ENG 271 Technical Communication (4)
- STAT 154 Elementary Statistics (3) **OR**
- HLTH 475 Biostatistics (3)

Required Electives* (25 credits)

Consult with your advisor for selection of electives

Gen. Ed. (44 credits)

Required Minor: None

*Please note that at least 42 of the required and elective credits must be at 300-400 level.

FAMILY CONSUMER SCIENCE

FAMILY CONSUMER SCIENCE EDUCATION BS TEACHING

This option prepares men and women to teach family consumer science in grades 5-12 and for other education-related professions.

Family Consumer Science Core (3 credits)

FCS 101 Introduction to Family Consumer Science (3)

Required for Option (51 credits)

FCS 100 Personal and Family Living (3)
FCS 120 Clothing and People (2)
FCS 140 Introduction to Nutrition (3)
FCS 270 Family Housing (2)
FCS 275 Consumers in the Economy (3)
FCS 280 Orientation to Family Consumer Science Education (2)
FCS 301 Lifespan Development (3)
FCS 311 Family Life and Sex Education (3)
FCS 331 Clothing Construction and Textiles (4)
FCS 340 Food Science (4)
FCS 400 Culturally Diverse Family Systems (3)
FCS 401 Family Life Development (3)
FCS 416 Pre-School Child (2)
FCS 474 Residential Mgmt. for Families and Special Needs People (3)
FCS 482 Teaching Family Life/Parent Education (2)
FCS 483 Adult and Technical Education in Family Consumer Science (2)
FCS 484 Program Development in Family Consumer Science (4)
FCS 488 Parenting Education (3)

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)

FCS 140 Introduction to Nutrition (3)
FCS 240 Nutrition I (3)
FCS 340 Food Science (4)
FCS 440 Nutrition II (3)
FCS 446 Lifespan Nutrition (3)
(May select 4 credits below)
FCS 100 Personal and Family Living (3)
FCS 101 Introduction to Family Consumer Science (3)
FCS 252 Food Service Systems I (3)
FCS 275 Consumers in the Economy (3)
FCS 301 Lifespan Development (3)
FCS 303 Working with Families (2)
FCS 350 Food Service Systems II (3)
FCS 400 Culturally Diverse Family Systems (3)
FCS 401 Family Life Development (3)
FCS 408 Family Life Dynamics (3)
FCS 436 Nutrition in Exercise and Sport (3)
FCS 444 Experimental Food Science (3)
FCS 445 Food Preservation (2)
FCS 475 Family Policy (2)
FCS 483 Adult Education in Family Consumer Science (3)
FCS 497 Internship (1-6) **OR**

FCS 498 Undergraduate Internship (1-6)

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 categories 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.

Family Relations

FCS 100 Personal and Family Living (3)
FCS 401 Family Life Development (3)
FCS 408 Family Life Dynamics (3)

Parenting

FCS 488 Parenting Education (3)

Cultural Diversity (cultural diversity core course)

FCS 400 Culturally Diverse Family Systems (3)

Child/Human Development

FCS 230 Child Care Psychology (3)
FCS 301 Lifespan Development (3)
FCS 416 Pre-School Child (2)
FCS 446 Lifespan Nutrition (3)

Family-life Education

FCS 311 Family Life and Sex Education (3)
FCS 482 Teaching Family Life/Parent Education* (2)
FCS 483 Adult Education in FCS* (2)

Family Resource Management

FCS 275 Consumers in the Economy* (3)
FCS 474 Residential Management for Families & Special Needs People* (4)
FCS 478 Family Finance (2)

Family Law and Policy

FCS 475 Family Policy* (2)

FLCD Related

FCS 101 Introduction to Family Consumer Science (3)
FCS 270 Family Housing (3)
FCS 496 Selected Topics (2-3)
FCS 303 Working with Families (2)

Internship (may choose 3 hours FCS 495 or FCS 497)

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

FCS 101 Introduction to Family Consumer Science (3)

Consumer Related Courses

FCS 376 Household Equipment (3)
FCS 275 Families in the Economy (3)
FCS 473 Consumer Protection (3)
FCS 474 Residential Mgmt. for Families and Special Needs People (4)
FCS 475 Family Policy (2)
FCS 478 Family Finance (2)
(May count one of the following)
FCS 140 Introduction to Nutrition (3)
FCS 120 Clothing and People (2)
FCS 270 Family Housing (2)
FCS 303 Working with Families (2)
FCS 483 Adult Education in Family Consumer Science (2)
FCS 496 Topics (2-3)
FCS 498 Internship (1-3)

FAMILY CONSUMER SCIENCE

Strongly Recommended Electives

MRKT 310 Principles of Marketing (3)
MRKT 316 Consumer Behavior (3)

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

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.

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.

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 methods and techniques.

Alt-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 311 (3) Family Life and Sex Education

Explores biological, physiological, and sociological perspectives of human sexuality. The course examines personal and family relationships and addresses family life and sex education teaching methods for school and community settings.

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

FAMILY CONSUMER SCIENCE

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 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 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 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 240

Fall, Spring

FCS 440 (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 230 before taking this course.

Pre: BIOL 230, CHEM 111, FCS 240

Spring

FCS 442 (3) Clinical Dietetics 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: 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 or FCS 240

Fall

FCS 448 (3) Clinical Dietetics II

The pathophysiological, nutrient assessment, planning and counseling aspects of biliary, surgical, endocrine, cardiovascular and renal conditions. Case-based approach.

Pre: FCS 442

Spring

FAMILY CONSUMER SCIENCE

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.

Spring

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

FCS 474 (3) Residential Management for Families and Special Needs People

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, elderly, 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 (2) 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 (2) Adult and Technical Education in Family Consumer Science

Philosophy and objectives of adult education in family consumer sciences with emphasis on informal teaching- learning environments; procedures for planning and developing programs; and learning experiences with the adult learner.

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

FCS 495 (3-4) Intern: Early Child Family

A scheduled work assignment that will include on-site experiences with parents in early childhood family education.

Fall, Spring

FCS 496 (2-3) Selected Topics: FLCD

Topics announced as offered. May be repeated.

Variable

FCS 497 (1-6) Internship

A scheduled work assignment with supervision in private business, industry and government agency appropriate to each area of concentration.

Pre: Consent

Fall, Spring

FCS 498 (1-6) Undergraduate Internship

A scheduled work assignment with supervision in private business, industry, and government agency appropriate to each area of concentration.

Pre: Consent

Fall, Spring

FCS 499 (1-4) Individual Study

Arranged with the instructor.

Pre: Consent

Fall, Spring