

Department of Family and Consumer Sciences

FACULTY Professors Collins (chair), Davidson; Associate Professor Choi; Assistant Professors Brandes, Devlin, Randall.

The Department of Family and Consumer Sciences offers majors in *retail merchandising; foods, nutrition, and dietetics; and family and consumer sciences education*. Students may also choose to major in *general family and consumer sciences*, which allows flexibility.

Career opportunities continue to expand in this fast-growing field. Careers in teaching, family and consumer sciences related business, social welfare, nutrition and dietetics, family and consumer sciences extension, and fashion and retail merchandising can all result from degree programs in the Department of Family and Consumer Sciences.

Departmental Requirements

All family and consumer sciences students must meet the following family and consumer sciences core requirements listed below and professional work experience, as well as the required courses for their chosen major. Students must take a minimum of 38 hours in FCS courses.

Family and Consumer Sciences Core

FCS 140 Introduction to Family & Consumer Sciences.....	2
FCS 246 Family Systems and Applications.....	3
FCS 300 Consumer Issues in America.....	3
FCS elective to be chosen from the following:	
FCS 341 Human Development Through the Lifespan	
FCS 342 Child Development Laboratory	
FCS 440 Family Relations.....	3
FCS 400 Senior Seminar in Family & Consumer Sciences.....	1
Total	12

Required Professional Work Experience:

FCS 460 Family and Consumer Sciences Internship (required for FCSF).....	3
FCS 461 Practicum in Foods & Nutrition (required for FCSD)	3
EHS 301 Cooperative Education.....	0-3
ETE 499 Student Teaching in the Secondary School (required for FCST).....	10-13

Major Requirements

Foods, Nutrition and Dietetics

Careers in health care, community and public health, wellness, foods science, foodservice, product development, food marketing, communication, and business consulting

offer many diverse opportunities for graduates in this major. The two concentrations within this major are: 1) Dietetics and 2) Foods and Nutrition. Students choosing the dietetic concentration will be enrolled in the didactic program in dietetics (DPD). The DPD at Bradley University is currently granted initial accreditation by the Commission on Accreditation for Dietetic Education (CADE) of the American Dietetic Association, 120 Riverside Plaza, Chicago, IL 60606-6995, 312/899-5400. CADE is currently recognized by the Council on Higher Education Accreditation (CHEA) and the United States Department of Education (USDE). Students who graduate from this program with a C or better in all FCS required courses will receive a verification statement that will allow them to pursue a CADE-accredited dietetic internship to take the national registration examination to become registered dietitians. The Foods and Nutrition concentration offers a flexible professional program for the pursuit of entry level careers in foods and nutrition. Students completing the Foods and Nutrition concentration will not be eligible to pursue dietetic internships and become registered dietitians.

Dietetic Concentration

University Requirements

Candidates for all baccalaureate degrees must complete requirements in general education. Within the Math; Cultural Diversity and Social Forces; and Science categories, students in this concentration should choose the following:

MTH 111 Elementary Statistics.....	3
ECO 100 Introduction to Economics.....	3
PSY 104 Principles of Psychology.....	3
CHM 100 Fundamentals of General Chemistry.....	3
CHM 101 Fundamentals of General Chemistry Lab.....	1
BIO 121 Life Science 1.....	3

Family & Consumer Sciences Core

(See "Family and Consumer Sciences Core" above.)

Required Professional Work Experience

FCS 461 Practicum in Foods and Nutrition.....	3
---	---

Additional Required FCS Courses

FCS 104 Introductory Food Principles.....	4
FCS 220 Consumer Issues in Health Care.....	3
FCS 303 Nutrition.....	3
FCS 306 Community Nutrition.....	3
FCS 307 Lifecycle Nutrition.....	2
FCS 309 Investigation of Food Topics.....	3

FCS 405 Food Service Systems 3
 FCS 407 Nutritional Assessment 2
 FCS 408 Management in Food Service 3
 FCS 410 Advanced Nutrition 4
 FCS 411 Medical Nutrition Therapy 4

Required Supporting Courses 27-30

CHM 151 Fundamentals of Organic Chemistry 2
 CHM 152 Fundamentals of Biochemistry 2
 CHM 153 Organic-Biochemistry Lab 1
 BIO 200 Human Anatomy and Physiology 3
 BIO 202 Microbiology and Immunology 4
 BIO 203 Human Anatomy and Physiology Lab 2
 BIO 205 Pathophysiology 3
 BMA 352 Management and Organization Theory 3
 or PSY 310* Industrial and Organizational Psychology
 MTG 315 Principles of Marketing 3
 1 3-hour course Learning Theory 3
 Suggest: FCS 341 Human Development through
 the Lifespan or PSY 302 Psychology of Learning
 or PSY 304 Developmental Psychology
 CHM 391 Medical Terminology 1

* Prerequisites for PSY 310 are PSY 104 and PSY 205 or equivalent, which may increase the total hours of required supporting courses.

Required Certificate

Certificate in Food Service Sanitation by State of Illinois; to be completed before enrolling in FCS 408

Foods and Nutrition Concentration

University Requirements

Candidates for all baccalaureate degrees must complete requirements in general education. Within the Math; Cultural Diversity and Social Forces; and Science Categories, students in this concentration should choose the following:

MTH 111 Elementary Statistics 3
 ECO 100 Introduction to Economics or
 ECO 221 Principles of Microeconomics 3
 PSY 104 Principles of Psychology 3
 BIO 121 Life Science I 3
 CHM 100 Fundamentals of General Chemistry 3
 CHM 101 Fundamentals of General Chemistry Lab 1

Family and Consumer Sciences Core 12

(See catalog, page 142 for complete listing of FCS core)

Required Professional Work Experience

FCS 461 Practicum in Foods and Nutrition 3

Additional Required FCS Courses 23

I. Required:

FCS 104 Introductory Food Principles 4
 FCS 220 Consumer Issues in Healthcare 3
 FCS 303 Nutrition 3
 FCS 306 Community Nutrition 3

II. Select 10 hours from the following:

FCS 203 Health, Safety and Nutrition 3
 FCS 304 Sports and Exercise Nutrition 3
 FCS 307 Lifecycle Nutrition 2
 FCS 309 Investigation of Food Topics 3
 FCS 405 Food Service Systems 3
 FCS 408 Management in Food Service 3
 FCS 410 * Advanced Nutrition 4
 FCS 411 * Medical Nutrition Therapy 4

* Some courses require prerequisites which will add additional hours.

Required Supporting Course 3

BIO 200 Human Anatomy and Physiology 3

Required Certificate

Certificate in Food Service Sanitation by State of Illinois; to be completed before enrolling in FCS 408

Required Minor 12-23

The student choosing a concentration in Foods and Nutrition is allowed sufficient curriculum flexibility to specialize in a particular area of interest including public and community nutrition, nutrition and wellness, or foodservice management. Guided by the interest of the student, a minor to support the student's career goals will be incorporated into the degree plan. Depending on the minor chosen, 12-23 hours of minor coursework will be required.

General Family and Consumer Sciences

This flexible curriculum is designed for students who have interest areas in family and consumer sciences other than specific majors offered by the department at Bradley University. Examples of interest areas include foods, nutrition, apparel, textiles, living environments, child development and family relationships, or careers in cooperative extension services would be appropriate for this major choice.

The major requires a minimum of 38 Family and Consumer Sciences hours, including the Family and Consumer Sciences core.

University Requirements

Candidates for all baccalaureate degrees must complete requirements in General Education.

Within the Cultural Diversity and Social Forces General Education category, students in this major should choose the following:

ECO 100 Introduction to Economics or
 ECO 221 Principles of Microeconomics 3
 PSY 104 Principles of Psychology 3

Family and Consumer Sciences Core 12

(See catalog, page 142 for complete listing of FCS core)

Required Professional Work Experience

Choose one of the following:

FCS 460 Family and Consumer Sciences Internship 3
 FCS 461 Practicum in Foods and Nutrition 3
 EHS 301 Cooperative Education Internship 0-3

College of Education and Health Sciences

Additional Required FCS courses:

I. Foods and Nutrition (choose at least two)

FCS 104 Introductory Food Principles	4
FCS 203 Health, Safety and Nutrition.....	3
FCS 303 Nutrition	3
FCS 304 Sports and Exercise Nutrition	3
FCS 306 Community Nutrition	3
FCS 309 Investigation of Food Topics	3
FCS 405 Food Service Systems	3
FCS 406 Issues and Trends in Foods and Nutrition.....	3
FCS 407 Nutritional Assessment	2
FCS 408 Management in Food Service.....	3
FCS 410 Advanced Nutrition.....	4
FCS 411 Medical Nutrition Therapy	4

II. Clothing and Textiles (choose at least two)

FCS 130 Clothing in Contemporary Society	3
FCS 133 Apparel Production and Analysis	3
FCS 231 Pattern Making.....	3
FCS 233 Consumer Textiles.....	3
FCS 330 Fashion Merchandising.....	3
FCS 331 Fashion Merchandising Laboratory.....	1
FCS 332 Advanced Clothing Construction.....	3
FCS 333 Advanced Textiles.....	3
FCS 334 Visual Merchandising and Promotion.....	3
FCS 338 International Fashion Merchandising.....	3
FCS 433 Issues and Trends in Apparel and Textiles	3
FCS 438 Global Trends in Apparel and Textiles.....	3
FCS 536 World of Fashion	3

III. Human Ecology (choose at least two)

FCS 220 Consumer Issues in Health Care.....	3
**FCS 300 Consumer Issues in America	3
FCS 357 Housing and Interior Design.....	3
FCS 359 Applied Projects in Interior Design.....	3

IV. Child/Family (choose at least two)

**FCS 246 Family Systems and Applications.....	3
FCS 307 Lifecycle Nutrition.....	2
FCS 341 Human Development Through the Lifespan	3
FCS 342 Child Development Laboratory	3
FCS 440 Family Relations (choice within core).....	3

Total FCS hours for the major 38

(minimum will depend on choice of work experience)

Some courses require prerequisites that will add additional hours.

**FCS Core Requirement

Family and Consumer Sciences Education

Students who choose the family and consumer sciences education program (FCST) can meet Illinois certification requirements for teaching family and consumer sciences in junior and senior high schools. Graduates receiving certification have found employment in public schools throughout the United States.

All students must complete the family and consumer sciences core. Student teaching (ETE 499) fulfills the professional work experience requirement. As in any good program, revisions are being made continually; students should consult the Department of Teacher Education chair about current program requirements. Secondary education teacher candidates should refer to the teacher education department for requirements in professional education courses for secondary education. Candidates will have an advisor in both Family and Consumer Sciences and in the Department of Teacher Education.

FCST Foundational Requirements

These courses are required for all secondary education majors in family and consumer sciences.

**FCS 140 Introduction to Family & Consumer Sciences.....	2
**FCS 246 Family Systems and Applications	3
**FCS 300 Consumer Issues in America	3
**FCS 341 Human Development Through the Lifespan.....	3
FCS 342 Child Development Laboratory	3
FCS 440 Family Relations.....	3
**FCS 400 Sr. Seminar in Family & Consumer Sciences	1

Total 18

A minimum of 38 semester hours in family and consumer sciences, including the family and consumer sciences core, is required for all family and consumer sciences majors. Students should choose courses in the following concentrations:

Nutrition, and Wellness and Hospitality

Choose 12 hours from the following courses:

FCS 104 Introductory Food Principles.....	4
FCS 203 Health, Safety and Nutrition or FCS 303 Nutrition	3
FCS 220 Consumer Issues in Health care	3
FCS 306 Community Nutrition	3
FCS 309 Investigation of Food Topics	3
FCS 405 Food Service Systems or FCS 408 Management in Food Service.....	3

Apparel and Textiles

Choose 12 hours from the following courses:

FCS 130 Clothing and Human Behavior.....	3
FCS 133 Apparel Product Analysis	3
FCS 233 Consumer Textiles	3
FCS 231 Pattern Making (3); or FCS 332 Advanced Clothing Construction (3); or FCS 330 Fashion Merchandising (3) and FCS 331 Fashion Show Production (1)	3 or 4
FCS 334 Visual Merchandising and Promotion.....	3
FCS 336 History of Fashion	3

Living Environments

Choose 12 hours from the following courses:

FCS 233 Consumer Textiles.....	3
**FCS 246 Family Systems and Applications	3
**FCS 300 Consumer Issues in America	3
FCS 334 Visual Merchandising and Promotion.....	3
FCS 357 Housing and Interior Design	3

Retail Merchandising

Graduates in this area are prepared for careers in merchandising, sales, operations, buying, and other related areas in the retail fashion industry. A minor in business management or marketing is required for this major.

University Requirements

Candidates for all baccalaureate degrees must complete requirements in General Education. Within the Math; Cultural Diversity and Social Forces; and Sciences categories, students in this major should choose the following courses:
 CHM 100 Fundamentals in General Chemistry 4
 ECO 100 or ECO 221 3
 MTH 111 Elementary Statistics 3
 PSY 104 Principles of Psychology 3
 Students must complete a minimum of 38 hours in FCS courses.

Family and Consumer Sciences Core 12

Required Professional Work Experience

FCS 460 Family & Consumer Sciences Internship 3

Additional Required FCS Courses

(must earn C or better in each of these courses)

FCS 130 Clothing and Human Behavior 3

FCS 133 Apparel Production and Analysis 3

FCS 233 Consumer Textiles 3

FCS 330 Fashion Merchandising 3

FCS 331 Merchandising Lab 1

FCS 333 Advanced Textiles 3

FCS 334 Visual Merchandising and Promotions 3

FCS 336 History of Fashion 3

FCS 438 Global Issues of Textile and Apparel 3

FCS elective (FCS 338 or 357) 3

Required Supporting Courses

ART 227 Basic Graphic Design 3

MTG 381 Integrated Marketing Communications or

COM 220 Advertising as Communication 3

Required Minor: Option I or Option II

Option I 15

A management minor described in this catalog under the Business Management and Administration Department, Foster College of Business Administration.

Option II 15

A marketing minor described in this catalog under the Marketing Department Foster College of Business Administration.

International Concentration

Family and consumer sciences majors may wish to elect this option with careful consultation with an academic advisor. Students who elect this emphasis must complete **eighteen hours** fulfilled in the following manner.

Category A:

Six credit hours chosen from the following courses:

FCS 338 International Fashion Merchandising 3

FCS 406 Issues and Trends in Foods and Nutrition 1-3

FCS 433 Trends in International Textiles 3

FCS 401/402 or 585 Independent Readings, Independent Problems, or Topics in Family and Consumer Sciences with an international focus 1-6

Category B:

Six credit hours chosen from the following courses:

MTG 346 International Marketing 3

IB 306 Introduction to International Business 2

IB 400 Topics in International Business 1-4

or

Two courses chosen from a minor in area studies with an international focus such as Asian studies or Russian and East European studies. This would include any two courses from the required or elective course list, consisting of courses in history, international studies, religious studies, sociology, art, and Japanese, for example.

Category C:

Six credit hours taken outside the United States, which could include the Bradley European Summer Semester Abroad, a full semester spent in another country, or two interim courses spent in other countries. (Only Bradley-directed hours count for residence hours.)

or

Any two semesters of foreign language courses (**not used for any other requirement in this concentration**) taken for credit.

Family and Consumer Sciences Minor

The minor in family and consumer sciences enhances other career options, provides career flexibility, and enhances personal knowledge.

This minor will allow students to choose courses within:

- General Family and Consumer Sciences
- Foods, Nutrition, and Dietetics
- Apparel and Textiles/Interior Design
- Child Development/Family Relationships

Transfer policies for minors are the same as for family and consumer sciences majors. Prior approval of transfer credit must be secured from the chair of Family and Consumer Sciences.

The requirements for a minor in family and consumer sciences are:

1. A minimum of 17 semester hours in family and consumer sciences as specified below.
2. Complete FCS 140, Introduction to Family and Consumer Sciences (2 hrs.) and FCS 300 Consumer Issues In America (3 hrs.)
3. At least nine of the remaining 12 semester hours must be in Family and Consumer Sciences courses above the 100 level.

College of Education and Health Sciences

- No fewer than six of the remaining 12 semester hours must be in Family and Consumer Sciences courses at the 300 level or above.

Course Descriptions

- FCS 104 Introductory Food Principles** 4 hrs.
Scientific principles of food preparation and selection. Laboratory experiences demonstrate theoretical concepts.
- FCS 130 Clothing and Human Behavior** 3 hrs.
Interdisciplinary study of cultural, social, psychological, economic, and aesthetic relationship of clothing to today's society.
- FCS 133 Apparel Product and Analysis** 3 hrs.
Study of apparel production, including apparel components, structure, quality, and serviceability. Includes laboratory.
- FCS 140 Introduction to Family and Consumer Sciences** 2 hrs.
Family and consumer sciences professions, history, philosophy, theory and foundations.
- FCS 203 Health, Safety, and Nutrition** 3 hrs.
Personal health of PreK-12 learners, including nutrition and safety issues. Meeting health needs of learners in group settings. Healthy lifestyle, preventive health, and community health.
- FCS 220 Consumer Issues in Health Care** 3 hrs.
Possible care obtained, level of health care, and how to access care for persons from birth to death. Cross listed as HS 220. Prerequisite: HS 110 or consent of a cross-listed Department Chair (PT, FCS).
- FCS 231 Pattern Making** 3 hrs.
Principles of flat pattern method; pattern alteration; original pattern design; completed garment. Prerequisite: FCS 133 or consent of instructor.
- FCS 233 Consumer Textiles** 3 hrs.
Consumer-oriented study of textiles emphasizing fibers, yarns, fabric constructions, and finishes. Two hours of lecture and two hours of laboratory per week.
- FCS 246 Family Systems and Applications** 3 hrs.
Study of family systems and management theory with application of concepts in the near environment of family and consumer. Prerequisites: FCS 140.
- FCS 300 Consumer Issues in America (Gen. Ed. SF)** 3 hrs.
Personal finance, consumer credit, durable and non-durable goods and services, and consumer protection in the marketplace.

- FCS 301 Nutrition Today (Gen. Ed. TS)** 3 hrs.
Problem-based learning approach to examine current issues and nutritional practices through exploration of underlying biochemical and physiological principles; formulation of personal diet and wellness plans. Prerequisites: jr./sr. standing; one college-level science course. Not open to students who have taken FCS 203 or 303.
- FCS 303 Nutrition** 3 hrs.
Human energy and nutrient utilization and requirements as related to health and performance. Prerequisite: one of the following: BIO 121-124, CHM 100, CHM 110 & 111, or CHM 116 & 117.
- FCS 304 Sports and Exercise Nutrition** 3 hrs.
Design of approximate diets for exercise and sports to enhance utilization and maximize performance. An integrative, case study approach. Prerequisites: junior standing.
- FCS 306 Community Nutrition** 3 hrs.
Emphasis on community needs assessment, disease prevention programming, cultural nutrition practices, public and private nutrition policy, and community nutrition promotion. Prerequisites: FCS 220, 303.
- FCS 307 Life Cycle Nutrition** 2 hrs.
Current issues in maternal, child, adolescent, and elderly nutrition with emphasis on nutrient requirements related to physiological changes, assessment of food security, and delivery of cost-effective quality nutrition. Prerequisites: FCS 104, 303.
- FCS 309 Investigation of Food Topics** 3 hrs.
Group and individual investigation of and experimentation with scientific principles of food and research. Prerequisite: FCS 104.
- FCS 330 Fashion Merchandising** 3 hrs.
Merchandising: organization, operation, and interrelationship of major facets of textile and clothing industry. Prerequisites: FCS 130, 233.
- FCS 331 Fashion Merchandising Laboratory** 1 hr.
Experimental work related to fashion merchandising. Prerequisites: FCS 130, 233; concurrent enrollment in FCS 330.
- FCS 332 Advanced Clothing Construction** 3 hrs.
Tailoring and experimental construction techniques in individual projects. Prerequisite: FCS 133 or consent of instructor.
- FCS 333 Advanced Textiles** 3 hrs.
Principles of textile science, testing and quality analysis, standardized measurement and evaluation of quality, physical characteristics, and performance of textile products. Developing products and specifications. Prerequisites: MTH 111, FCS 133.

- FCS 334 Visual Merchandising and Promotion 3 hrs.**
The investigation and application of various areas and methods of merchandise presentation to maximize the salability of merchandise. Prerequisites: FCS 330, 331.
- FCS 336 History of Fashion 3 hrs.**
Historic costume and relationship to contemporary dress; emphasis on design and current fashion.
- FCS 338 International Fashion Merchandising 3 hrs.**
Intensified study in major international fashion markets including fashion merchandising, public relations, advertising, and career opportunities. Prerequisite: FCS 233 or consent of instructor.
- FCS 341 Human Development Through the Lifespan 3 hrs.**
Physical, cognitive, emotional and social growth and development throughout the human lifespan. Not open to students with credit in PSY 304 or PSY 314.
- FCS 342 Child Development Laboratory 3 hrs.**
Practical experience working with 3 year olds. Prerequisite: FCS 341 or PSY 304 or ETE 225 or equivalent.
- FCS 357 Housing and Interior Design Concepts 3 hrs.**
Basic concepts of housing and interior design; emphasis on historic periods and their relationship to contemporary housing and furnishings.
- FCS 359 Applied Projects in Interior Design 3 hrs.**
Interior design with emphasis on cost considerations, room area, and atmosphere. Prerequisite: FCS 357.
- FCS 400 Senior Seminar in Family & Consumer Sciences 1 hr.**
Personal exploration of interrelated knowledge and professional competencies in family and consumer sciences; factors influencing research. Emphasis on family and consumer sciences as an integrated field of study. Prerequisites: senior standing; family and consumer sciences major or minor.
- FCS 401 Readings in Family & Consumer Sciences 1-3 hrs.**
Individual readings in specialized areas of family and consumer sciences for qualified students, under faculty supervision. Prerequisite: consent of department chair.
- FCS 402 Problems in Family & Consumer Sciences 1-3 hrs.**
Independent study in family and consumer sciences for qualified students, under faculty supervision. Prerequisite: consent of department chair.
- FCS 405 Food Service Systems 3 hrs.**
Menu planning, food production, and service in food service systems. Prerequisite: FCS 104 or consent of instructor.
- FCS 406 Issues & Trends in Foods & Nutrition 1-3 hrs.**
Topics of special interest which may vary each time course is offered. Topic and prerequisite stated in current Schedule of Classes. May be repeated under different topics for a maximum of six hours credit. Prerequisite: FCS 303 or consent of instructor.
- FCS 407 Nutrition Assessment 2 hrs.**
Evaluation of nutritional status by dietary assessment, anthropometric measures, and nutrition-related health indicators; body composition assessment and interpretation of clinical, laboratory, and dietary data; charting and health communications. Prerequisites: FCS 303.
- FCS 408 Management in Food Service 3 hrs.**
Management of human resources, finance, products, services, facilities and equipment, sanitation and safety, and marketing in food service. Prerequisites: FCS 104, BIO 202, Sanitation Certification.
- FCS 410 Advanced Nutrition 4 hrs.**
Biochemistry of energy and nutrient utilization in relation to human biological functions. Prerequisites: FCS 303; BIO 200; CHM 151, 152.
- FCS 411 Medical Nutrition Therapy 4 hrs.**
Dietary modification for specific disease states, treatment modalities, and drug interactions; emphasis on biochemical and pathophysiological rationale. Prerequisite: FCS 410; BIO 205.
- FCS 433 Issues and Trends in Apparel & Textiles 3 hrs.**
Topics of special interest which may vary each time course is offered. Topic stated in current Schedule of Classes. Course may be repeated for a maximum of 6 hours credit. Prerequisite: FCS 130 or 233 or consent of instructor.
- FCS 438 Global Issues in Textiles and Apparel 3 hrs.**
Evaluation of key issues facing textile and apparel business in global markets considering ethical, economic, political, and professional implications. Theoretical foundations of global sourcing. Prerequisites: ECO 100; FCS 133, 233, 300.
- FCS 440 Family Relations 3 hrs.**
Emphasis on man-woman relationship, marriage, and family interactions and reactions.
- FCS 460 Family & Consumer Sciences Internship 3 hrs.**
Integration of family and consumer sciences theory with applications in the workplace. Prerequisites: family and consumer sciences major; consent of department chair.
- FCS 461 Practicum in Foods and Nutrition 3 hrs.**
Selected practicum experience within a foods and/or nutrition related workplace. Prerequisites: family and consumer sciences major; consent of department chair.
- FCS 536 The World of Fashion 2-6 hrs.**
Intensified study in a major fashion market: merchandising, public relations, advertising, and career opportunities. May be repeated for a total of six hours. Prerequisites: 10 hours in clothing and textiles; or consent of instructor.
- FCS 585 Topics in Family & Consumer Sciences 1-6 hrs.**
Topics of special interest which may vary each time course is offered. Topic stated in current Schedule of Classes. Prerequisite: senior or graduate standing, and consent of instructor.