

FAMILY AND CONSUMER SCIENCES

College of Health and Human Services

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M. Sue Stanley

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View the CSU, Long Beach *Catalog* on-line at www.csulb.edu by clicking on "Academics" and then "CSULB Catalog."

The faculty of the Department of Family and Consumer Sciences seeks to prepare men and women to enter professions concerned with enhancing the quality of individual and family life in the context of the near environment. The following objectives have been articulated:

To prepare men and women to the highest standards for professions in Family and Consumer Sciences and related fields requiring a bachelor's or master's degree.

To prepare students for successful careers within the diversity of human relationships while enhancing their own physical, psychological, and emotional development through their lifespan.

To provide continuing education and post-master's study in professional fields of Family and Consumer Sciences.

To provide information to a diverse student population and the community about current services and career opportunities as well as the potential for emerging professional careers in a changing society.

To employ the most effective methodology and useful resources on the university campus and in the surrounding communities. Provide the best quality program within the structure of the CSU system.

To continue creative and scholarly research for the future growth of the profession.

To apply knowledge gained from research and study to serve the needs identified in the university and surrounding community.

Accreditation

The Department of Family and Consumer Sciences is accredited by the American Association of Family and Consumer Sciences (AAFCS) (American Association of Family and Consumer Sciences, Council for Accreditation, 1555 King Street, Alexandria, VA 22314, phone: 703-706-4600). The Didactic Program in Dietetics and the Dietetic Internship are accredited by the American Dietetic Association (ADA) (Commission on Accreditation for Dietetics Education, American Dietetic Association, 216 West Jackson Boulevard, Suite 800, Chicago, IL 60606-6995, phone: 312-899-4872). The Pre-school and Toddler Study Laboratories are accredited by the National Association for the Education of Young Children. The Child Development and Family Studies Program is approved by the National Council on Family Relations to offer a program leading to Provisional Family Life Education Certification.

The Department of Family and Consumer Sciences offers programs of study leading to the Bachelor of Arts, Bachelor of Science, Master of Arts, and Master of Science degrees.

Curricula are designed to provide a liberal education through study in the social and natural sciences, the humanities and the arts, and to offer specialized instruction based on these disciplines which will lead to professional careers in Family and Consumer Sciences and related fields.

Programs of study cover various aspects of the field: Fashion Merchandising and Design; Child Development and Family Studies; Consumer Affairs; FCS Education; Food Science; Gerontology; Hospitality Foodservice and Hotel Management; Nutrition and Dietetics.

Degrees and certificates available in the Family and Consumer Sciences Department include:

- Bachelor of Arts in Family and Consumer Sciences in the following option areas: Child Development and Family Studies; Communication; Consumer Affairs; Fashion Merchandising; and Textiles and Clothing.

- Bachelor of Science in Dietetics and Food Administration in the following option areas: Nutrition and Dietetics; Food Science; and Hospitality Foodservice and Hotel Management.
- Master of Arts in Family and Consumer Sciences
- Master of Science in Nutritional Science
- Master of Science in Gerontology (specific requirements are listed under Gerontology)
- Dietetic Internship
- Child Development Certificate
- Foodservice Systems Administration Certificate
- Gerontology Certificate (Specific requirements are listed under Gerontology)
- Home Economics Single Subject Teaching Credential (a 5th year of study is required.)

Information about Family and Consumer Sciences sponsored degrees and certificates are organized by degrees and options.

Bachelor of Arts in Family and Consumer Sciences

The Department of Family and Consumer Sciences offers students a Bachelor of Arts degree in five option areas of study:

- Child Development and Family Studies
- Communication
- Consumer Affairs
- Fashion Merchandising
- Textiles and Clothing

Specific degree and certificate information as well as option requirements are as follows:

Requirements for all majors include a minimum of 120 units for the Bachelor of Arts degree. In addition to general education requirements (51 units), a minimum of 40 units in Family and Consumer Sciences must be completed, 24 of which must be upper division. Students transferring from another college or university will receive transfer credit in required courses if the course is equivalent to the course at this University and it is first accepted by the University.

Child Development and Family Studies

The field of Child Development and Family Studies (CDFS) strives to improve the lives of children and families. As an integrative and interdisciplinary specialization, Child Development and Family Studies incorporates information from a variety of disciplines. Our primary focus is on utilizing the preventive approach to assist individuals and families. Career options for professionals in the field of CDFS are wide-ranging. Many of our graduates pursue the following opportunities: family life educator; child life specialist; teen pregnancy counselor; domestic violence counselor; toy research and development professional; child development educator/administrator – infant and toddler care, preschool teaching, and school age programs; child development consultant; community resource and referral professional; parent educator; and corporate human services consultant.

Option in Child Development and Family Studies (code FCS_BA01) (120 units)

BIOL 205 or 309I; PSY 100; SOC 100 or ANTH 120; FCS 111, 132, 211, 214 and 414 or 215 and 415, 299, 311 or 314, 312I, 321, 411, 413, 492A or 492B or 3 units of 497 or second semester of 414 or 415, 499 plus 9 units of advisor approved electives. The student also must select with a Child Development and Family Studies advisor's approval 15 units from FCS 319, 387, 402, 409, 410, 412, 416A, 416B, 417, 418, 419 or FCS courses not taken above. Each course on the student's program planner must be completed with a grade of "C" or higher. In addition, a course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in a course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with the approval of the Child Development and Family Studies Area Coordinator.

Minor in Child Development and Family Studies (code FCS_UM06)

The Child Development and Family Studies (CDFS) minor offers the opportunity to take a concentration of courses focusing on children and families. By providing students with an aggregate of CDFS courses students will be better prepared to assume the duties within a variety of careers relating to children and families in an array of settings.

Requirements

Students seeking a minor in CDFS must meet all prerequisite course requirements. In addition, students must maintain a "C" or better in all courses required for the minor. The minor requires 21 total units: nine units of core courses consisting of FCS 111, 312I, and 319I and 12 units selected from FCS 211, 214, 311, 314, 409, 410, 411, 412, 413, 414, 415, and 418. The minor in Child Development and Family Studies will not be available to Child Development and Family Studies majors.

FOUR YEAR PLAN TO COMPLETE THE B.A. IN FAMILY AND CONSUMER SCIENCES - OPTION IN CHILD DEVELOPMENT AND FAMILY STUDIES (FCS_BA01)

120 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or Oral Comm	3	Oral Comm or Composition	3
GE Math or other GE class	3	GE Math or other GE class	3
GE Class	3	GE Class	3
GE Class	3	GE Class	3
FCS 132	3	FCS 111	3
UNIV 100	1		
FCS 299*	1		
TOTAL UNITS	17	TOTAL UNITS	15
Semester 3		Semester 4	
Critical Thinking	3	BIOL 205 (B.1.a)	4
PSY 100 (GE D.2)	3	SOC 100 (GE D2.)	3
GE Class	3	or ANTH 120 (GE D2)	
Approved Major Elective	3	GE Class	3
Elective	3	Approved Major Elective	3
		Elective	3
TOTAL UNITS	15	TOTAL UNITS	16

Semester 5		Semester 6		Semester 9		Semester 10	
FCS 312I (GE Capstone E)	3	GE Capstone Course	3	FCS 411	3	GE Capstone	3
FCS 211	3	FCS 311(not GE) or 321(GE HD)	3	FCS 414 or 415	3	FCS 492A or 492B or 497 or ACT	3
			3				3
FCS 214 or 215	3	FCS 413	3	Major Elective	3	FCS 499	2
Approved major Elective	3	Major Elective	3	Major Elective	3	Major Elective	3
Elective	1	Major Elective	3				
TOTAL UNITS	13	TOTAL UNITS	15	TOTAL UNITS	12	TOTAL UNITS	11

*= Course to Be Taken 1st Semester as major at CSULB

Semester 7		Semester 8	
GE Capstone Course	3	FCS 411	3
FCS 314 (not GE) or 321(GE D2,HD)	3	FCS 492A or 497 or ACT	3
FCS 414 or 415	3	FCS 499	2
Major Elective	3	Major Elective	3
Major Elective	3	Elective	3
TOTAL UNITS	15	TOTAL UNITS	14

*= Course to be taken 1st semester as major at CSULB

FIVE YEAR PLAN TO COMPLETE THE B.A. IN FAMILY AND CONSUMER SCIENCES - OPTION IN CHILD DEVELOPMENT AND FAMILY STUDIES (FCS_BA01)
120 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or Oral Comm	3	Oral Comm or Composition	3
GE Math or other GE class	3	GE Math or other GE class	3
GE Class	3	GE Class	3
FCS 132	3	FCS 111	3
UNIV 100	1		
FCS 299*	1		
TOTAL UNITS	14	TOTAL UNITS	12

Semester 3		Semester 4	
Critical Thinking	3	BIOL 205 (GE B.1.a)	4
PSY 100 (GE D.2)	3	GE Class	3
GE Class	3	Approved Major Elective	3
Elective	3	Elective	3
TOTAL UNITS	12	TOTAL UNITS	13

Semester 5		Semester 6	
SOC 100 (GE D2.)	3	FCS 312I (GE Capstone. E)	3
or ANTH 120 (GE D2)		FCS 211	3
GE Class	3	FCS 214 or 215	3
GE Class	3	Approved Major Elective	3
Approved Major Elective	3		
TOTAL UNITS	12	TOTAL UNITS	12

Semester 7		Semester 8	
GE Capstone Course	3	FCS 311(not GE) or 321(GE D2,HD)	3
FCS 314 (not GE) or 321(GE D2, HD)	3	FCS 413	3
Major Elective	3	Major Elective	3
Elective	1	Elective	3
TOTAL UNITS	10	TOTAL UNITS	12

SIX YEAR PLAN TO COMPLETE THE B.A. IN FAMILY AND CONSUMER SCIENCES - OPTION IN CHILD DEVELOPMENT AND FAMILY STUDIES (FCS_BA01)
120 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or Oral Comm	3	Oral Comm or Composition	3
GE Math or other GE class	3	GE Math or other GE class	3
GE Class	3	SOC 100 (GE D2.)	3
UNIV 100	1	or ANTH 120 (GE D2)	
FCS 299*	1	FCS 132	3
TOTAL UNITS	11	TOTAL UNITS	12

Semester 3		Semester 4	
Critical Thinking	3	BIOL 205 (GE B.1.a)	4
PSY 100 (D.2)	3	GE Class	3
FCS 111	3	GE Class	3
TOTAL UNITS	9	TOTAL UNITS	10

Semester 5		Semester 6	
Elective	3	Elective	3
GE Class	3	GE Class	3
Approved Major Elective	3	GE Class	3
		Approved Major Elective	3
TOTAL UNITS	9	TOTAL UNITS	12

Semester 7		Semester 8	
FCS 211	3	FCS 312I (GE Capstone. E)	3
FCS 214 or 214	3	Major Elective	3
Major Elective	3	Elective	3
		Approved Major Elective	3
TOTAL UNITS	9	TOTAL UNITS	12

Semester 9		Semester 10	
FCS 314 (not GE) or 321(GE D2, HD)	3	GE Capstone Course	3
Major Elective	3	FCS 311(not GE) or 321(GEHD)	3
FCS 413	3	Major Elective	3
TOTAL UNITS	9	TOTAL UNITS	9

Semester 11		Semester 12	
FCS 411	3	GE Capstone Course	3
FCS 414 or 415	3	FCS 492A or 492B or 497or ACT	3
			3
Major Elective	3	FCS 499	2
		Elective	1
TOTAL UNITS	9	TOTAL UNITS	9

*= Course to be taken 1st semester as major at CSULB

FAQ Concerning Road Maps for Completion of Undergraduate Degrees

For each undergraduate major, the on-line Catalog shows plans for scheduling all required courses to complete the degree in four, five, or six years.

While CSULB will make every effort to schedule classes at the times shown in the plans, we cannot guarantee that courses will be available in specific semesters. It is possible that shortage or budget or of personnel will make it impossible to offer as many classes as we would wish.

The plans are not substitutes for working with an advisor. You are strongly encouraged to see an advisor when planning your program each term.

I am a freshman. Do I have to choose now whether to follow the four, five, or six-year plan?

No. Most freshmen take 12-15 units. You need at least 12 units to receive full financial aid. With experience, you will be able to judge how heavy a load you find comfortable. This will depend on your outside obligations, such as a job, and on your personal circumstances. In theory, each unit requires three hours a week, including preparing for class, attending class, and completing assignments. Use these guidelines to budget your time and plan an appropriate schedule.

Must I take the courses in the semesters shown on the plan?

The plan shows one possible way of completing all requirements for the degree. Consult your advisor about whether it is essential to take a given course in the semester shown. There are some rules to keep in mind:

1) You can take the General Education Foundation courses (Composition, Oral Communication, Critical Thinking, Mathematics) in any semester in the first 36 units of baccalaureate-level course work completed at CSULB.

2) You cannot take upper division courses until you have completed at least 30 units. (Exceptions can be made for students who already have completed advanced study in the subject.) You cannot take General Education Capstone courses until you have completed at least 60 units.

3) For some majors it is essential to complete courses in the correct sequence. You cannot take a more advanced course until you have completed the prerequisite course(s).

4) You must complete all requirements for admission to impacted majors within the first 60 units.

I have been told that I must take one or more pre-baccalaureate courses. How can I plan my program?

Your advisor at SOAR can help you identify which courses must be postponed. You must still complete the minimum number of baccalaureate units required for the degree.

You may be able to catch up by taking additional courses in later semesters or by taking classes in summer or winter session, or you may choose to spend an additional semester completing the program. You cannot begin the sequence of required courses for some majors until you are ready for baccalaureate-level Mathematics. See your major advisor to develop a plan for scheduling the required courses.

I didn't complete the exact list of courses shown. Can I still graduate on time?

The answer depends on your major and on what courses you have completed. The plans are not rigid requirements; they are only intended to provide guidance in planning a program. There are many reasons for students to follow a different pattern, such as changing the major, choosing to take fewer classes in a given semester, choosing to complete a minor or a second major. See your advisor for help in planning a program that will work for you.

If I follow the plan, will I have all requirements for graduation completed?

The plans include the specific courses required for the major. For some majors, there are restrictions on the choice of major electives. It is important that you select General Education courses to meet the required distribution pattern. You may need to take an additional General Education course to complete the minimum number of units required for each category. This is likely to happen if you took three-unit courses in Category B, Physical Universe.

Child Development Certificate (code FCS_CT01)

Child Development and Family Studies in the Family and Consumer Sciences Department provides an academic and professional background for working with children and families. It offers an interdisciplinary foundation in several areas that influence the life and education of children and families. Field-work opportunities where students have direct experiences with children and families in the community are provided.

The Certificate in Child Development must be earned in conjunction with the baccalaureate degree, master's degree or teaching credential in Family and Consumer Sciences or related fields. Courses offered for the certificate may be the same ones used to satisfy, where applicable, major, minor, credential, general education or interdisciplinary requirements.

Requirements

1. Bachelor's Degree in Family and Consumer Sciences or related field;
2. 36 units distributed as follows:
 - Lower division (12 units): FCS 111, 132, 211, 214.
 - Upper Division (24 units): FCS 311 or 314, 312I, 411, 413, 414 or 415, 416A, 418.

Awarding of the Certificate in Child Development will be recommended by the Certificate Program Director upon successful completion of certificate requirements.

Interested students should apply to the Child Development Certificate Program Director, Dr. Richard Tuveson, Family and Consumer Sciences (562) 985-4487 or tuveson@csulb.edu.

Child Development and Family Studies Courses

- 111. The Preschool Child
- 211. Guiding Young Children
- 213. Family, Community, and Young Children
- 214. Environments for Young Children
- 215. Environments for Infants and Toddlers
- 219. Stress Coping and Resiliency for the Professional Educator
- 290. Directed Studies
- 311. Prenatal Development and Infancy
- 312I. Family and Personal Development
- 314. The Older Child
- 319. Family Stress and Coping
- 358. Fathers and Fathering
- 402./502. Child and Family Law
- 409. Language, Learning and the Developing Child: A Cross-Cultural Perspective
- 410. International Families: Families in Cross-Cultural Perspectives
- *411. Individual Child Study and Guidance
- *412. Family Interaction
- *413. Child and Family in the Community
- 414. Fieldwork with Preschool Children
- 415. Fieldwork with Infants/ Toddlers
- 416A. Introduction to Administration and Supervision of Child Development Programs
- 416B. Applications of Administration and Supervision of Child Development Programs
- 417. Premarital Intervention
- *418. Parent Education

*419. Family Life Education

492A. Internship in Child Development and Family Studies

492B. Internship in Certified Family Life Educator

FCS Education

A Bachelor of Arts degree in Family and Consumer Sciences: Communication prepares students for careers in teaching youth and adults in various educational settings, as well as for positions in business, industry and government. Courses in the program focus on enhancing the quality of life for diverse individuals and families through assignments and activities that promote solutions to problems encountered in daily living.

Students who earn a Home Economics Single Subject Credential will be prepared to teach in middle, junior, and senior high schools, and in adult or career and technical education programs and community colleges. Career opportunities also include positions in cooperative extension, government, and community service agencies; and education program specialist positions in business, industry, and government.

Students should consult with the Family and Consumer Sciences Communication Credential Advisor as early as possible in order to design an efficient undergraduate program of study. Students with majors in other FCS option areas who are interested in becoming a secondary teacher should also consult the FCS Single Subject Credential Advisor regarding meeting subject matter competency for the single subject credential. Students may also work on a teaching credential while completing a Master of Arts degree in Family and Consumer Sciences.

Option in Communication (code FCS_BA02) (120 units)

CHEM 100; ECON 100 and 101 or 300; ENGL 100 and 101 or 300 or 317; PSY 100; SOC 100 or ANTH 120; COMM 110; HSC 411B; EDSS 300H; FCS 111, 132, 133, 154, 223, 226, 235, 251, 275, 296, 299, 312I, 314, 321, 322, 353, 387, 488, 492D, 499, plus 12 units of one of the following concentrations: Child Development and Education Occupations FCS 214, 414, 416A, 416B; Fashion Design, Manufacturing and Merchandising FCS 155, 351, 355, 455; Foodservice and Hospitality FCS 270, 375, 474, 477. Candidates for the Home Economics Single Subject Credential must take professional education requirements.

FOUR YEAR PLAN TO COMPLETE THE B.A. IN FAMILY AND CONSUMER SCIENCES - OPTION IN FCS EDUCATION (COMMUNICATION) (FCS_BA02)

120 units required (126 units listed!!!)

Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or COMM 110	3	COMM 110 or Composition	3
GE Math or other GE Class	3	GE Math or other GE Class	3
FCS 132	3	SOC 100 or ANTH 120 (GE D2)	3
GE Class	3	GE Class	3
UNIV 100	1	GE Class	3
FCS 299*	1		
TOTAL UNITS	14	TOTAL UNITS	15

Semester 3		Semester 4	
Critical Thinking	3	ECON 101	3
CHEM 100 (GE B.1.b)	3	GE Class	3
ECON 100 (GE D2)	3	FCS 111	3
PSY 100 (GE D2)	3	FCS 154	3
GE Class	3	FCS 235	3
TOTAL UNITS	15	TOTAL UNITS	15

Semester 5		Semester 6	
FCS 173	1	FCS 312I (GE D2 Capstone)	3
FCS 223	3	FCS 321 (GE HD)	3
FCS 257	3	GE Capstone course	3
FCS 275	3	FCS 226	3
CONC #1 (FCS 214/155/270)	3	FCS 253	3
ENGL 101/ 300/ 317	3	CONC #2 (FCS 414/ 357/ 375)	3
TOTAL UNITS	16	TOTAL UNITS	18

Semester 7		Semester 8	
FCS 314	3	GE Capstone Course	3
FCS 322	3	FCS 488	3
FCS 387	3	FCS 492D or 497	3
CONC #3 (FCS 416A/ 355/ 477)	3	FCS 499	3
EDSS 300H	3	CONC #4 (FCS 416B. 455/ 474)3	3
		HSC 411B	3
TOTAL UNITS	15	TOTAL UNITS	18

*= Course to be taken 1st semester as major at CSULB

FIVE YEAR PLAN TO COMPLETE THE B.A. IN FAMILY AND CONSUMER SCIENCES - OPTION IN FCS EDUCATION (COMMUNICATION) (FCS_BA02)

120 units required (126 units listed!!!)

Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or COMM 110	3	COMM 110 or Composition	3
GE Math or other GE class	3	Math or other GE Class	3
GE Class	3	GE Class	3
FCS 132 (CAN FCS 2)	3	GE Class	3
UNIV 100	1		
FCS 299*	1		
TOTAL UNITS	14	TOTAL UNITS	12

Semester 3		Semester 4	
Critical Thinking	3	ECON 101 (GE D.2)	3
CHEM 100 (GE B.1.b)	4	GE Class	3
ECON 100 (GE D.2)	3	FCS 111	3
PSY 100 (GE D.2.)	3	FCS 235	3
TOTAL UNITS	13	TOTAL UNITS	12

Semester 5		Semester 6	
SOC 100 (D.2) or ANTH 120 (D.2)	3	FCS 173	1
FCS 154	3	FCS 223	3
GE Class	3	FCS 251	3
		FCS 275	3
		ENGL 101/ 300/ 317	3
TOTAL UNITS	9	TOTAL UNITS	13

Semester 7		Semester 8		Semester 11		Semester 12	
FCS 312I (GE Capstone)	3	FCS 321 (GE HD)	3	GE Capstone Course	3	FCS 492D or 497	3
FCS 226	3	GE Capstone Course	3	FCS 314	3	FCS 499	2
FCS 253	3	FCS 387	3	FCS 322	3	CONC #4 (FCS 416B/ 455/ 474)	3
CONC #1 (FCS 214/155/270)	3	FCS 488	3	CONC #3 (FCS 416A/ 355/ 477)	3		
EDSS 300H	3	CONC #2 (FCS 414/ 351/ 375)	3				
TOTAL UNITS	15	TOTAL UNITS	15	TOTAL UNITS	12	TOTAL UNITS	8

*= Course to be taken 1st semester as major at CSULB

Semester 9		Semester 10	
GE Capstone Course	3	FCS 492D or 497	3
FCS 314	3	FCS 499	2
FCS 322	3	CONC #4 (FCS 416B/ 455/ 474)	3
CONC #3 (FCS 416A/ 355/ 477)	3	HSC 411B	3
TOTAL UNITS	12	TOTAL UNITS	11

*= Course to be taken 1st semester as major at CSULB

SIX YEAR PLAN TO COMPLETE THE B.A. IN FAMILY AND CONSUMER SCIENCES - OPTION IN FCS EDUCATION (COMMUNICATION) (FCS_BA02)

120 units required (126 units listed!!!)

Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or COMM 110	3	COMM 110 or Composition	3
GE Math or other GE Class	3	Math or other GE class	3
FCS 132	3	GE Class	3
UNIV 100	1	GE Class	3
FCS 299*	1		
TOTAL UNITS	11	TOTAL UNITS	12

Semester 3		Semester 4	
Critical Thinking	3	ECON 101 (GE D2)	3
CHEM 100 (GE B.1.b)	4	SOC 100 (GE D2) or	3
ECON 100 (GE D2)	3	ANTH 120 (GE D.2)	3
		GE Class	3
		FCS 235	3
TOTAL UNITS	10	TOTAL UNITS	12

Semester 5		Semester 6	
GE Class	3	PSY 100	3
GE Class	3	FCS 111	3
FCS 154	3	FCS 257	3
TOTAL UNITS	9	TOTAL UNITS	9

Semester 7		Semester 8	
FCS 173	1	FCS 321 (GE HD)	3
FCS 223	3	FCS 226	3
FCS 275	3	FCS 253	3
ENGL 101/ 300/ 317	3	FCS 387	3
TOTAL UNITS	10	TOTAL UNITS	12

Semester 9		Semester 10	
	3	GE Capstone Course	3
CONC #1 (FCS 214/ 155/ 270)	3	FCS 488	3
EDSS 300H	3	CONC #2 (FCS 414/357/ 375)	3
		HSC 411B	3
TOTAL UNITS	9	TOTAL UNITS	12

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2) You cannot take upper division courses until you have completed at least 30 units. (Exceptions can be made for students who already have completed advanced study in the subject.) You cannot take General Education Capstone courses until you have completed at least 60 units.

3) For some majors it is essential to complete courses in the correct sequence. You cannot take a more advanced course until you have completed the prerequisite course(s).

4) You must complete all requirements for admission to impacted majors within the first 60 units.

I have been told that I must take one or more pre-baccalaureate courses. How can I plan my program?

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If I follow the plan, will I have all requirements for graduation completed?

The plans include the specific courses required for the major. For some majors, there are restrictions on the choice of major electives. It is important that you select General Education courses to meet the required distribution pattern. You may need to take an additional General Education course to complete the minimum number of units required for each category. This is likely to happen if you took three-unit courses in Category B, Physical Universe.

Communication Courses

- 296. Applied Arts in Family and Consumer Sciences
- 299. Themes and Issues in Family and Consumer Sciences
- 387. Consumer Technology
- *486. Teaching-Learning Strategies in Family and Consumer Sciences
- *488. Developing Occupational Programs in Family and Consumer Sciences
- *490. Special Topics
- 492D. Internship In Family and Consumer Sciences Education
- 497. Directed Studies
- 499. Perspectives in Family and Consumer Sciences
- EDSS 300H. Introduction to Teaching Home Economics
- EDSS 450H. Curriculum and Methods in Teaching Home Economics
- EDSS 472A,B,C. Student Teaching
- EDSS 473. Student Teaching, Seminar

Consumer Affairs

Consumer Affairs provides students with a foundation in Consumer Advocacy, Personal Financial Management, and Housing Services. The program focuses on how businesses, government agencies, and community organizations interact with families and consumers. Career opportunities could include: consumer credit counselor, consumer protection agent, consumer educator, financial counselor, marketing consultant, sales representative, customer service representative, paralegal, property manager, housing counselor, homeless coordinator.

Option in Consumer Affairs (code FCS_BA03) (120 units)

ACCT 201; ECON 100 and 101 or 300; ENGL 101, 317, 417, 418, or 419; FCS 223, 226, 228, 299, 312I, 321, 322, 387, 420, 422, 425, 426, 429, 486, 492C or three units of 497, 499; MKTG 300, 490; PSY 100; SOC 100; C/LA 250 or SOC 250, plus 9 units of advisor approved electives. Each course on the student's program planner must be completed with a grade of "C" or better. In addition, a course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Consumer Affairs Area Coordinator.

FOUR YEAR PLAN TO COMPLETE THE B.A. DEGREE IN FAMILY AND CONSUMER SCIENCES - OPTION IN CONSUMER AFFAIRS (FCS_BA03)

120 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or Oral Comm	3	Composition or Oral Comm	3
GE Class	3	PSY 100 (GE D.2)	3
GE Class	3	GE Math or Other GE Class	3
GE Math or other Class	3	GE Class	3
FCS 132	3	GE Class	3
UNIV 100	1		
FCS 299*	1		
TOTAL UNITS	17	TOTAL UNITS	15

Semester 3		Semester 4	
Critical Thinking	3	ECON 101 (D.2)	3
ECON 100 (D.2)	3	SOC 100 (D.2)	3
GE Class	3	GE Class	3
ACCT 201	3	GE Class	3
CLA/ SOC 250	3	FCS 223	3
TOTAL UNITS	15	TOTAL UNITS	15

Semester 5		Semester 6	
ENGL101or317 or 417 or 418 or419	3	FCS 312I (D2 Capstone)	3
FCS 226	3	FCS 321 (D2 HD)	3
FCS 228 (D2 Global Issues)	3	FCS 387	3
FCS 322**	3	FCS 420 or 422**	3
FCS 425 or 426**	3	MKTG 300	3
TOTAL UNITS	15	TOTAL UNITS	15

Semester 7		Semester 8	
GE Capstone or Major Elective	3	FCS 420 or 422**	3
GE Capstone or Major Elective	3	FCS 429**	3
FCS 425 or 426**	3	FCS 486	3
Elective	2	FCS 492C or 497	3
MKTG 490	3	FCS 499	2
TOTAL UNITS	14	TOTAL UNITS	14

*= Course to be taken 1st semester as major at CSULB

**= Course to be taken in designated semester

FIVE YEAR PLAN TO COMPLETE THE B.A. DEGREE IN FAMILY AND CONSUMER SCIENCES - OPTION IN CONSUMER AFFAIRS (FCS_BA03)

120 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or Oral Comm	3	Composition or Oral Comm	3
GE Math or other GE Class	3	GE Class	3
GE Class	3	GE Math or other GE Class	3
FCS 132	3	GE Class	3
UNIV 100	1		
FCS 299*	1		
TOTAL UNITS	14	TOTAL UNITS	12

Semester 3		Semester 4		Semester 7		Semester 8	
Critical Thinking	3	ECON 101 (GE D.2)	3	FCS 312I (D2 Capstone)	3	FCS 321 (D2 Human Diversity)	3
ECON 100 (GE D.2)	3	SOC 100 (GE D.2)	3	FCS 226	3	FCS 228 (D2 Global Issues)	3
GE Class	3	GE Class	3	MKTG 300	3	ENGL 101 or 317 or 417 or 418 or 419	3
CLA/ SOC 250	3	GE Class	3				
TOTAL UNITS	12	TOTAL UNITS	12	TOTAL UNITS	9	TOTAL UNITS	9
Semester 5		Semester 6		Semester 9		Semester 10	
PSY 100 (D.2)	3	FCS 312I (D2 Capstone)	3	FCS 322	3	GE Capstone or Major Elective	3
GE Class	3	FCS 226	3	FCS 387	3	FCS 420 or 422**	3
FCS 223	3	FCS 228 (D2 Global Issues)	3	FCS 425 or 426**	3	Elective	2
ACCT 201	3	ENGL 101 or 317 or 417 or 418 or 419	3				
TOTAL UNITS	12	TOTAL UNITS	12	TOTAL UNITS	9	TOTAL UNITS	8
Semester 7		Semester 8		Semester 11		Semester 12	
FCS 321 (D2 HD)	3	GE Capstone or Major Elective	3	GE Capstone or Major Elective	3	FCS 420 or 422**	3
FCS 322**	3	FCS 420 or 422**	3	FCS 425 or 426**	3	FCS 429	3
FCS 425 or 426**	3	MKTG 300	3	FCS 486	3	FCS 492C or 497	3
FCS 387	3	Elective	2			FCS 499	2
TOTAL UNITS	12	TOTAL UNITS	11	TOTAL UNITS	9	TOTAL UNITS	11

FAQ Concerning Road Maps for Completion of Undergraduate Degrees

For each undergraduate major, the on-line Catalog shows plans for scheduling all required courses to complete the degree in four, five, or six years.

While CSULB will make every effort to schedule classes at the times shown in the plans, we cannot guarantee that courses will be available in specific semesters. It is possible that shortage or budget or of personnel will make it impossible to offer as many classes as we would wish.

The plans are not substitutes for working with an advisor. You are strongly encouraged to see an advisor when planning your program each term.

I am a freshman. Do I have to choose now whether to follow the four, five, or six-year plan?

No. Most freshmen take 12-15 units. You need at least 12 units to receive full financial aid. With experience, you will be able to judge how heavy a load you find comfortable. This will depend on your outside obligations, such as a job, and on your personal circumstances. In theory, each unit requires three hours a week, including preparing for class, attending class, and completing assignments. Use these guidelines to budget your time and plan an appropriate schedule.

Must I take the courses in the semesters shown on the plan?

The plan shows one possible way of completing all requirements for the degree. Consult your advisor about whether it is essential to take a given course in the semester shown. There are some rules to keep in mind:

1) You can take the General Education Foundation courses (Composition, Oral Communication, Critical Thinking, Mathematics) in any semester in the first 36 units of baccalaureate-level course work completed at CSULB.

2) You cannot take upper division courses until you have completed at least 30 units. (Exceptions can be made for students who already have completed advanced study in the subject.) You cannot take General Education Capstone courses until you have completed at least 60 units.

3) For some majors it is essential to complete courses in the correct sequence. You cannot take a more advanced course until you have completed the prerequisite course(s).

4) You must complete all requirements for admission to impacted majors within the first 60 units.

*= Course to be taken 1st semester as major at CSULB

**= Course to be taken in designated semester

SIX YEAR PLAN TO COMPLETE THE B.A. DEGREE IN FAMILY AND CONSUMER SCIENCES - OPTION IN CONSUMER AFFAIRS (FCS_BA03)

120 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or Oral Comm	3	Oral Comm or Composition	3
GE Math or other GE course	3	GE Math or other GE class	3
CLA/ SOC 250	3	GE Class	3
University 100	1	GE Class	3
FCS 299*	1		
TOTAL UNITS	11	TOTAL UNITS	12
Semester 3		Semester 4	
Critical Thinking	3	ECON 101 (GE D.2)	3
ECON 100 (kGE D.2)	3	SOC 100 (GE D.2)	3
GE Class	3	GE Class	3
		GE Class	3
TOTAL UNITS	9	TOTAL UNITS	12
Semester 5		Semester 6	
PSY 100 (D.2)	3	GE Class	3
GE Class	3	FCS 132= major elective	3
ACCT 201	3	FCS 223	3
TOTAL UNITS	9	TOTAL UNITS	9

I have been told that I must take one or more pre-baccalaureate courses. How can I plan my program?

Your advisor at SOAR can help you identify which courses must be postponed. You must still complete the minimum number of baccalaureate units required for the degree.

You may be able to catch up by taking additional courses in later semesters or by taking classes in summer or winter session, or you may choose to spend an additional semester completing the program. You cannot begin the sequence of required courses for some majors until you are ready for baccalaureate-level Mathematics. See your major advisor to develop a plan for scheduling the required courses.

I didn't complete the exact list of courses shown. Can I still graduate on time?

The answer depends on your major and on what courses you have completed. The plans are not rigid requirements; they are only intended to provide guidance in planning a program. There are many reasons for students to follow a different pattern, such as changing the major, choosing to take fewer classes in a given semester, choosing to complete a minor or a second major. See your advisor for help in planning a program that will work for you.

If I follow the plan, will I have all requirements for graduation completed?

The plans include the specific courses required for the major. For some majors, there are restrictions on the choice of major electives. It is important that you select General Education courses to meet the required distribution pattern. You may need to take an additional General Education course to complete the minimum number of units required for each category. This is likely to happen if you took three-unit courses in Category B, Physical Universe.

Minor in Consumer Affairs (code FCS_UM01)

Eighteen units as approved by a Consumer Affairs faculty advisor. Nine units of required courses include: FCS 223, 226, 322; and 9 upper division units selected from FCS 420, 422, 425, 426, and 429 are required to complete the minor.

The Minor in Consumer Affairs is available to any non-Consumer Affairs major.

Consumer Affairs Courses

- 223. Personal and Family Financial Management
- 226. Consumer Problems
- 228. Housing in Global Perspective
- 309I. The Consumer in the Legal and Economic Environment
- 321. Family and Consumer Resource Management
- 322. Family Housing and the Urban Community
- 420./520. Personal Finance for the Aging
- *422. Housing Policies: Public and Private
- *424. Independent Living for Disabled and Elderly Persons
- *425. Personal Financial Planning Analysis
- *426. Family Financial Problems
- *428. International Housing
- 429./529. Consumer Protection
- 492C. Internship in Consumer Affairs

Fashion Merchandising and Design

A B.A. in Family and Consumer Sciences: Textiles and Clothing or Fashion Merchandising enables students to pursue careers in the design, production and merchandising of textile and apparel products and to meet individual and family textile and apparel needs. Career opportunities include: buyer-retailing, manufacturer's representative, product designer-pattern maker, store operations manager, stylist-fashion director, textiles (testing and evaluation) specialist.

Course requirements for a B.A. in Family and Consumer Sciences: Textiles and Clothing and Fashion Merchandising are:

Option in Fashion Merchandising (code FCS_BA04) (120 units)

ACCT 201; CHEM 100 or 111A; ECON 100 and 101 or 300; HIST 131 or AH 115B; FCS 387, MKTG 300; PSY 100; SOC 100 or ANTH 120; FCS 154 or 252, 155, 251, 253, 258, 296 or ART 149, 299, 321, 351, 353, 355, 450, 455, 456, 457, 486, 492E or 497, and 499; plus 9 units of advisor approved electives. Each course on the student's program planner must be completed with a grade of "C" or better. In addition, a course which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in a course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator.

FOUR YEAR PLAN TO COMPLETE THE B.A. IN FAMILY AND CONSUMER SCIENCES - OPTION IN FASHION MERCHANDISING (FCS_BA04)

120 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or Oral Comm	3	Oral Comm or Composition	3
SOC 100 (GE D2) or SOC 142 (GE D2) or ANTH 120 (GE D.2; Global)	3	PSY 100 (GE D.2)	3
GE Math or other GE Class	3	GE Math or other GE Class	3
GE Class	3	GE Class	3
FCS 299 *	1	AH 115B (GE C.1)	3
UNIV 100	1		
TOTAL UNITS	14	TOTAL UNITS	15
Semester 3		Semester 4	
Critical Thinking	3	ECON 101 (GE D.2)	3
ECON 100 (GE D.2)	3	FCS 155	3
CHEM 100 or 111A (GE B.1.b)	4 or 5	FCS 253	3
GE Class	3	Elective	3
ACCT 201	3	Elective	3
TOTAL UNITS	16 or 17	TOTAL UNITS	15
Semester 5		Semester 6	
FCS 251	3	FCS 321 (GE D2 HD)	3
FCS 252	3	FCS 353	3
FCS 258	3	FCS 355	3
FCS 296	3	MKTG 300	3
IS 233	3	GE Capstone Course	3
TOTAL UNITS	15	TOTAL UNITS	15

Semester 7		Semester 8	
GE Capstone Course	3	GE Capstone course	3
Elective	3	FCS 456	3
FCS 450	3	FCS 486	3
FCS 455	3	FCS 492E or 497	3
FCS 457	3	FCS 499	2
		Elective	1
TOTAL UNITS	15	TOTAL UNITS	15

* = course to be taken 1st semester as a major at CSULB

FIVE YEAR PLAN TO COMPLETE THE B.A. IN FAMILY AND CONSUMER SCIENCES - OPTION in Fashion Merchandising (FCS_BA04)
120 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or Oral Comm	3	Oral Comm or Composition	3
SOC 100 (GE D.2) or SOC 142 (GE D2) or ANTH 120 (GE D.2; Global)	3	GE Math or other GE class	3
GE Math or other GE Class	3	AH 115B (GE C.1)	3
GE Class	3		
University 100	1		
FCS 299*	1		
TOTAL UNITS	14	TOTAL UNITS	12

Semester 3		Semester 4	
Critical Thinking	3	ECON 101 (GE D.2)	3
ECON 100 (GE D.2)	3	GE Class	3
CHEM 100 or 111A (GE B.1.b) 4 or 5	5	Elective	3
GE Class	3	FCS 155	3
TOTAL UNITS	13	TOTAL UNITS	12

Semester 5		Semester 6	
Electives	4	IS 233	3
ACCT 201	3	FCS 251	3
FCS 253	3	FCS 252	3
		FCS 258	3
TOTAL UNITS	10	TOTAL UNITS	12

Semester 7		Semester 8	
FCS 296	3	GE Capstone course	3
FCS 353	3	FCS 321(GE D.2, HD)	3
MKTG 300	3	FCS 355	3
Elective	3	FCS 450	3
TOTAL UNITS	12	TOTAL UNITS	12

Semester 9		Semester 10	
GE Capstone Course	3	GE Capstone course	3
FCS 455	3	FCS 486	3
FCS 456	3	FCS 492E or 497	3
FCS 457	3	FCS 499	2
TOTAL UNITS	12	TOTAL UNITS	11

* = course to be taken 1st semester as a major at CSULB

SIX YEAR PLAN TO COMPLETE THE B.A. IN FAMILY AND CONSUMER SCIENCES - OPTION IN FASHION MERCHANDISING (FCS_BA04)
120 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or Oral Comm	3	Oral Comm or Composition	3
GE Math or other GE Class	3	Math or other GE Class	3
SOC 100 (GE D2) or SOC 142 (GE D2) or ANTH 120 (GE D.2; Global)	3	GE Class	3
UNIV 100	1		
FCS 299*	1		
TOTAL UNITS	11	TOTAL UNITS	9

Semester 3		Semester 4	
Critical Thinking	3	ECON 101 (GE D.2)	3
ECON 100 (GE D.2)	3	AH 115B (GE C.1)	3
PSY 100 (GE D.2)	3	GE Class	3
		GE Class	3
TOTAL UNITS	9	TOTAL UNITS	12

Semester 5		Semester 6	
CHEM 100 or 111A (GE B.1.b) 4 or 5	5	GE Class	3
FCS 155	3	Elective	1
Elective	3	FCS 253	3
		ACCT 201	3
TOTAL UNITS	10	TOTAL UNITS	10

Semester 7		Semester 8	
FCS 251 (CAN FCS 20)	3	FCS 321 (GE D2 HD)	3
FCS 252	3	FCS 258	3
IS 233	3	FCS 296	3
		FCS 353	3
TOTAL UNITS	9	TOTAL UNITS	12

Semester 9		Semester 10	
FCS 355	3	GE Capstone Course	3
FCS 450	3	FCS 455	3
Elective	3	FCS 456	3
		MKTG 300	3
TOTAL UNITS	9	TOTAL UNITS	12

Semester 11		Semester 12	
FCS 457	3	FCS 492E or 499	3
FCS 486	3	FCS 499	2
GE Capstone Course	3	GE Capstone Course	3
TOTAL UNITS	9	TOTAL UNITS	8

* = course to be taken 1st semester as a major at CSULB

FAQ Concerning Road Maps for Completion of Undergraduate Degrees

For each undergraduate major, the on-line Catalog shows plans for scheduling all required courses to complete the degree in four, five, or six years.

While CSULB will make every effort to schedule classes at the times shown in the plans, we cannot guarantee that courses will be available in specific semesters. It is possible that shortage or budget or of personnel will make it impossible to offer as many classes as we would wish.

The plans are not substitutes for working with an advisor. You are strongly encouraged to see an advisor when planning your program each term.

I am a freshman. Do I have to choose now whether to follow the four, five, or six-year plan?

No. Most freshmen take 12-15 units. You need at least 12 units to receive full financial aid. With experience, you will be able to judge how heavy a load you find comfortable. This will depend on your outside obligations, such as a job, and on your personal circumstances. In theory, each unit requires three hours a week, including preparing for class, attending class, and completing assignments. Use these guidelines to budget your time and plan an appropriate schedule.

Must I take the courses in the semesters shown on the plan?

The plan shows one possible way of completing all requirements for the degree. Consult your advisor about whether it is essential to take a given course in the semester shown. There are some rules to keep in mind:

1) You can take the General Education Foundation courses (Composition, Oral Communication, Critical Thinking, Mathematics) in any semester in the first 36 units of baccalaureate-level course work completed at CSULB.

2) You cannot take upper division courses until you have completed at least 30 units. (Exceptions can be made for students who already have completed advanced study in the subject.) You cannot take General Education Capstone courses until you have completed at least 60 units.

3) For some majors it is essential to complete courses in the correct sequence. You cannot take a more advanced course until you have completed the prerequisite course(s).

4) You must complete all requirements for admission to impacted majors within the first 60 units.

I have been told that I must take one or more pre-baccalaureate courses. How can I plan my program?

Your advisor at SOAR can help you identify which courses must be postponed. You must still complete the minimum number of baccalaureate units required for the degree.

You may be able to catch up by taking additional courses in later semesters or by taking classes in summer or winter session, or you may choose to spend an additional semester completing the program. You cannot begin the sequence of required courses for some majors until you are ready for baccalaureate-level Mathematics. See your major advisor to develop a plan for scheduling the required courses.

I didn't complete the exact list of courses shown. Can I still graduate on time?

The answer depends on your major and on what courses you have completed. The plans are not rigid requirements; they are only intended to provide guidance in planning a program. There are many reasons for students to follow a different pattern, such as changing the major, choosing to take fewer classes in a given semester, choosing to complete a minor or a second major. See your advisor for help in planning a program that will work for you.

If I follow the plan, will I have all requirements for graduation completed?

The plans include the specific courses required for the major. For some majors, there are restrictions on the choice of major electives. It is important that you select General Education courses to meet the required distribution pattern. You may need to take an additional General Education course to complete the minimum number of units required for each category. This is likely to happen if you took three-unit courses in Category B, Physical Universe.

Minor in Fashion Merchandising (code FCS_UM02)

Eighteen units including FCS 155, 252, 455, and 457; 6 units selected from FCS 251, 253, 351, 353, 355, 492E as approved by a Fashion Merchandising and Design faculty advisor. It is the student's responsibility to adhere to all prerequisites listed below. It should be noted that several prerequisites fulfill general education requirements.

1. FCS 252 or 154, and 155 are prerequisites for FCS 455.
2. ECON 100 and 101 (fulfills GE Category D2b) or 300 (fulfills GE Category D2b), FCS 353, and senior standing, or consent of instructor are prerequisites for FCS 457.
3. FCS 251 (fulfills GE Category E), 252 or 154, and 155 are prerequisites for FCS 351.
4. ELM passage, FCS 155, ACT 201, and FCS 387, or consent of instructor are prerequisites for FCS 355.
5. FCS 455 and 457 are prerequisites for FCS 492E.

The Minor in Fashion Merchandising is available to any non-Fashion Merchandising major.

Option in Textiles and Clothing (code FCS_BA05) (120 units)

CHEM 100 or 111A; ECON 100 and 101 or 300; HIST 131 or AH 115B; SOC 100 or ANTH 120; FCS 154, 155, 251, 253, 256, 258, 296, 299, 321, 352, 353, 354, 357, 387, 450, 452, 453 or 458, 454, 456, 457, 486, 492M or 497, and 499. Each course on the student's program planner must be completed with a grade of "C" or better. In addition, a course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in a course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator.

FOUR YEAR PLAN TO COMPLETE THE B.A. IN FAMILY AND CONSUMER SCIENCES - OPTION IN TEXTILES AND CLOTHING (FCS_BA05)

120 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or Oral Comm	3	Oral Comm or Composition	3
AH 115B (GE C.1)	3	CHEM 100 or 111A (GE B.1.b)	4 or 5
GE Math or other GE Class	3	GE Math or other GE class	3
SOC 100 (GE D2) or		GE Class	3
SOC 142 (GE D2) or			
or ANTH 120 (GE D2; Global)	3	FCS 251	3
Elective	1		
UNIV 100	1		
FCS 299*	1		
TOTAL UNITS	15	TOTAL UNITS	16-17
Semester 3		Semester 4	
Critical Thinking	3	ECON 101 (GE D.2)	3
ECON 100 (GE D.2)	3	GE Class	3
FCS 154**	3	FCS 256**	3
FCS 155	3	FCS 257**	3
GE Class	3		
TOTAL UNITS	15	TOTAL UNITS	12

Semester 5		Semester 6		Semester 9		Semester 10	
GE Capstone Course	3	FCS 321 (GE HD)	3	FCS 452**	3	GE Capstone Course	3
FCS 253**	3	FCS 450	3	FCS 453 or 458**	3	FCS 454**	3
FCS 258	3	FCS 352**	3	FCS 296	3	FCS 492M or 497**	3
FCS 354**	3	FCS 353**	3	FCS 456	3	FCS 486	3
FCS 387	3	FCS 357	3	FCS 457	3	FCS 499**	2
TOTAL UNITS	15	TOTAL UNITS	15	TOTAL UNITS	15	TOTAL UNITS	14

Semester 7		Semester 8	
GE Capstone Course	3	GE Capstone Course	3
FCS 296	3	FCS 454**	3
FCS 452**	3	FCS 456	3
FCS 453 or 458**	3	FCS 486	3
FCS 457	3	FCS 492M** or 497	3
		FCS 499**	2
TOTAL UNITS	15	TOTAL UNITS	17

*= Course to be taken 1st Semester as major at CSULB

**= Course to be taken in designated semester

SIX YEAR PLAN TO COMPLETE THE B.A. IN FAMILY AND CONSUMER SCIENCES - OPTION IN TEXTILES AND CLOTHING (FCS_BA05)

120 Units Required Department of Family & Consumer Sciences

*= Course to be taken 1st Semester as major at CSULB

**= Course to be taken in designated semester

FIVE YEAR PLAN TO COMPLETE THE B.A. IN FAMILY AND CONSUMER SCIENCES - OPTION IN TEXTILES AND CLOTHING (FCS_BA05)

120 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or Oral Comm	3	Oral Comm or Composition	3
GE Math or other GE Class	3	Math or other GE class	3
FCS 155	3	GE Class	3
UNIV 100	1	FCS 251	3
FCS 299*	1		
Elective	1		
TOTAL UNITS	12	TOTAL UNITS	12

Semester 1		Semester 2	
Composition or Oral Comm	3	Oral Comm or Composition	3
GE Math or other GE class	3	GE Math or other GE Class	3
SOC 100 (GE D2) or SOC 142 (GE D2) or ANTH 120 (GE D2; Global)	3	CHEM 100 or 111A (GE B.1.b)	4 or 5
Elective	1		
UNIV 100	1		
FCS 299*	1		
TOTAL UNITS	12	TOTAL UNITS	10-11

Semester 3		Semester 4	
Critical Thinking	3	AH 115B (GE C.1)	3
CHEM 100 or 111A (GE B.1.b)	4 or 5	GE Class	3
GE Class	3	FCS 256**	3
FCS 154**	3		
TOTAL UNITS	13-14	TOTAL UNITS	9

Semester 3		Semester 4	
Critical Thinking	3	ECON 101 (GE D.2)	3
ECON 100 (GE D.2)	3	GE Class	3
GE Class	3	FCS 251	3
FCS 155	3		
TOTAL UNITS	12	TOTAL UNITS	9

Semester 5		Semester 6	
SOC 100 (GE D2) or SOC 142 (GE D2) or ANTH 120 (GE D.2; Global)	3	ECON 101 (D.2)	3
ECON 100 (GE D2)	3	FCS 257**	3
FCS 253**	3	FCS 258	3
TOTAL UNITS	9	TOTAL UNITS	9

Semester 5		Semester 6	
AH 115B (GE C.1)	3	FCS 321 (GE HD)	3
FCS 154**	3	FCS 256**	3
GE Class	3	FCS 257**	3
		FCS 258	3
TOTAL UNITS	9	TOTAL UNITS	12

Semester 7		Semester 8	
FCS 353	3	FCS 321 (GE HD)	3
FCS 354	3	FCS 352**	3
FCS 387	3	FCS 357	3
TOTAL UNITS	9	TOTAL UNITS	9

Semester 7		Semester 8	
GE Capstone Course	3	FCS 450	3
FCS 253** (CAN FCS 6)	3	GE Capstone Course	3
FCS 354**	3	FCS 352**	3
FCS 387	3	FCS 353**	3
		FCS 357**	3
TOTAL UNITS	12	TOTAL UNITS	15

Semester 9		Semester 10	
GE Capstone Course	3	GE Capstone Course	3
FCS 296	3	FCS 450	3
FCS 452**	3	FCS 454**	3
FCS 453 or 458**	3		
TOTAL UNITS	12	TOTAL UNITS	9

Semester 11		Semester 12	
GE Capstone Course	3	FCS 456	3
FCS 457	3	FCS 492M or 497**	3
FCS 486	3	FCS 499**	2
TOTAL UNITS	9	TOTAL UNITS	8

Semester 11		Semester 12	
GE Capstone Course	3	FCS 456	3
FCS 457	3	FCS 492M or 497**	3
FCS 486	3	FCS 499**	2
TOTAL UNITS	9	TOTAL UNITS	8

*= Course to be taken 1st Semester as major at CSULB

**= Course to be taken in designated semester

FAQ Concerning Road Maps for Completion of Undergraduate Degrees

For each undergraduate major, the on-line Catalog shows plans for scheduling all required courses to complete the degree in four, five, or six years.

While CSULB will make every effort to schedule classes at the times shown in the plans, we cannot guarantee that courses will be available in specific semesters. It is possible that shortage or budget or of personnel will make it impossible to offer as many classes as we would wish.

The plans are not substitutes for working with an advisor. You are strongly encouraged to see an advisor when planning your program each term.

I am a freshman. Do I have to choose now whether to follow the four, five, or six-year plan?

No. Most freshmen take 12-15 units. You need at least 12 units to receive full financial aid. With experience, you will be able to judge how heavy a load you find comfortable. This will depend on your outside obligations, such as a job, and on your personal circumstances. In theory, each unit requires three hours a week, including preparing for class, attending class, and completing assignments. Use these guidelines to budget your time and plan an appropriate schedule.

Must I take the courses in the semesters shown on the plan?

The plan shows one possible way of completing all requirements for the degree. Consult your advisor about whether it is essential to take a given course in the semester shown. There are some rules to keep in mind:

1) You can take the General Education Foundation courses (Composition, Oral Communication, Critical Thinking, Mathematics) in any semester in the first 36 units of baccalaureate-level course work completed at CSULB.

2) You cannot take upper division courses until you have completed at least 30 units. (Exceptions can be made for students who already have completed advanced study in the subject.) You cannot take General Education Capstone courses until you have completed at least 60 units.

3) For some majors it is essential to complete courses in the correct sequence. You cannot take a more advanced course until you have completed the prerequisite course(s).

4) You must complete all requirements for admission to impacted majors within the first 60 units.

I have been told that I must take one or more pre-baccalaureate courses. How can I plan my program?

Your advisor at SOAR can help you identify which courses must be postponed. You must still complete the minimum number of baccalaureate units required for the degree.

You may be able to catch up by taking additional courses in later semesters or by taking classes in summer or winter session, or you may choose to spend an additional semester completing the program. You cannot begin the sequence of required courses for some majors until you are ready for baccalaureate-level Mathematics. See your major advisor to develop a plan for scheduling the required courses.

I didn't complete the exact list of courses shown. Can I still graduate on time?

The answer depends on your major and on what courses you have completed. The plans are not rigid requirements; they are only intended to provide guidance in planning a program. There are many reasons for students to follow a different pattern, such as changing the major, choosing to take fewer classes in a given semester, choosing to complete a minor or a second major. See your advisor for help in planning a program that will work for you.

If I follow the plan, will I have all requirements for graduation completed?

The plans include the specific courses required for the major. For some majors, there are restrictions on the choice of major electives. It is important that you select General Education courses to meet the required distribution pattern. You may need to take an additional General Education course to complete the minimum number of units required for each category. This is likely to happen if you took three-unit courses in Category B, Physical Universe.

Minor in Textiles (code FCS_UM03)

Eighteen units including FCS 155, 253, 353, 453, and 457; 3 additional units selected from FCS 450 or 492M. It is the student's responsibility to adhere to all prerequisites listed below. It should be noted that several prerequisites fulfill general education requirements.

1. FCS 155 and CHEM 100 or 111A (fulfills GE Category B1b) are prerequisites for FCS 353.
2. FCS 155 and 353 are prerequisites for FCS 453.
3. ECON 100 and 101 (fulfills GE Category D2b) or 300 (fulfills GE Category D2b), FCS 353, and senior standing are prerequisites for FCS 457.
4. ANTH 120 (fulfills GE Category D2a) or SOC 100 (fulfills GE Category D2b) or 142 (fulfills GE Category D2b) are prerequisites for FCS 450 (fulfills GE Category D2b and HD).
5. FCS 251 (fulfills GE Category E), FCS 253, and HIST 131 (fulfills GE Category D2a) or ART 115B (fulfills Category C1) are prerequisites for FCS 456.
6. FCS 453 is a prerequisite for FCS 492M.

The Minor in Textiles is available to any non-Textiles major.

Apparel Design and Merchandising Courses

154. Fundamentals of Apparel Production
155. Introduction to the Fashion Industry
251. Professional and Personal Apparel Selection
252. Analysis, Evaluation and Comparison of Ready-to-Wear
253. Introductory Textiles
256. Intermediate Apparel Production
257. Introduction to Apparel Flat Pattern
258. Fashion Merchandising and Design Practicum
351. Fashion Promotion and Sales
352. Computerized Apparel Flat Pattern
353. Intermediate Textiles
354. Analysis of Apparel Design and Tailoring
355. Fashion Merchandising Planning and Control
357. Advanced Apparel Flat Pattern
450. Cultural Perspectives of Dress
- *452. Apparel Draping
- *453. Quality Control in Fashion Merchandising and Design
- *454. Experimental Apparel Design
- *455. Global Perspectives of Fashion Merchandising
456. Historic Perspectives of Fashion
457. International Textiles and Apparel
- *458. Fashion Product Development
- 492E. Internship in Fashion Merchandising
- 492M. Internship in Apparel Design

Bachelor of Science in Dietetics and Food Administration

The Department of Family and Consumer Sciences offers students a Bachelor of Science degree in three option areas of study:

- Nutrition and Dietetics
- Food Science
- Hospitality Foodservice and Hotel Management

Specific degree and certificate information as well as option requirements are as follows:

Requirements for all majors include a minimum of 129 units to receive the Bachelor of Science degree. The courses which will provide these units are determined by the option the student chooses. In addition to general education requirements (51 units), a minimum of 40 units in Family and Consumer Sciences is required, 24 of which must be upper division. Students transferring from another college or university will receive transfer credit in required courses if the course is equivalent to the course at this University and it is accepted by the University.

Nutrition and Dietetics

Individuals choosing this option will concentrate their studies in the areas of nutritional science, medical nutrition therapy, community nutrition, food production and management of foodservice operations, chemistry, physiology, plus a variety of supporting course work in related disciplines. The Nutrition and Dietetics option with appropriate elective selection fulfills the American Dietetic Association (ADA) academic requirements for eligibility to apply for qualifying experiences required to become a Registered Dietitian. Career opportunities include: community nutrition programs, health clubs, private consulting, health and welfare agencies, program administration, health promotion, government agencies, hospitals and clinics, foodservice operations, public and private schools, research, and business and industry.

Option in Nutrition and Dietetics (code FCS_BS01) (131 units)

ANTH 412I or HCS 422I or GEOG 307I or H SC 420I; BIOL 207 or 342 and 342L; BIOL 260 or ED P 419 or H SC 403 or IS 310; CHEM 111A, 327, 448, 449; COMM 110; ED P 373I; ENGL 100; ENGL 101 or 317; HRM 361 or PSY 381; IS 233 or 300 or FCS 387; MICR 200; PSY 100; SOC 100; FCS 132, 173, 234, 235, 275, 299, 312I, 321, 331A, 331B, 332, 336, 436, 436L, 438, 461, 486, 3 units of 492K or 497, 499. Additionally, a minimum of 6 units of electives is selected in consultation with a Nutrition and Dietetics faculty advisor. Recommended electives include: FCS 375, 433, 439, 477, 492K, 497. If a stronger foundation in Chemistry is desired, CHEM 320A and 320B may be selected instead of CHEM 327. If a stronger foundation in Biochemistry is desired, CHEM 441A and CHEM 441B may be selected instead of CHEM 448.

Students who wish to take the Nutrition and Dietetics Option as a Pre-professional degree (e.g., medical, etc.) should check with the appropriate programs to verify specific requirements.

FOUR YEAR PLAN TO COMPLETE THE B.S. in FAMILY AND CONSUMER SCIENCES - OPTION IN NUTRITION AND DIETETICS (FCS_BS01)

128 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or COMM 110	3	COMM 110 or Composition	3
GE Math or other GE class	3	CHEM 111A (B.1.b)	5
GE Class	3	GE Math or other GE class	3
GE Class	3	GE Class	3
FCS 132	3	FCS 234	2
UNIV 100	1	FCS 173	1
FCS 299*	1		
TOTAL UNITS	17	TOTAL UNITS	17
Semester 3		Semester 4	
BIOL 207 (GE B1b)	4	PSY 100 (GE D.2)	3
SOC 100 (GE D.2)	3	MICR 200 (GE B.1.a)	4
BIOL 260 or Approved Stats Class	3	GE Class	3
FCS 235	3	CHEM 327	3
TOTAL UNITS	13	TOTAL UNITS	13
Semester 5		Semester 6	
FCS 275	3	FCS 312I (GE Capstone, E)	3
FCS 331A	3	FCS 331B	3
FCS 321	3	FCS 336	3
FCS 331A	3	FCS 375	3
ENGL 101 or 317	3	CHEM 448	3
		IS 233 or 300 or FCS 387	3
TOTAL UNITS	15	TOTAL UNITS	18
Semester 7		Semester 8	
FCS 436	3	EDP 373I (GE Capstone, C1)	3
FCS 436L	3	ANTH 412I, HCA 422I, GEOG 307I, or HSCI 420I (GE Capstone)	3
		or HSCI 420I (GE Capstone)	
FCS 461	3	FCS 438	3
FCS 477	3	FCS 486	3
CHEM 449	3	FCS 492K or 497	3
HRM 361or PSY 381	3	FCS 499	2
TOTAL UNITS	18	TOTAL UNITS	17

*= Course to be taken 1st semester as major at CSULB

FIVE YEAR PLAN TO COMPLETE THE B.S. in FAMILY AND CONSUMER SCIENCES - OPTION IN NUTRITION AND DIETETICS (FCS_BS01)

128 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or COMM 110	3	COMM 110 or Composition	3
GE Class	3	CHEM 111A (GE B1b)	5
GE Math or other GE Class	3	GE Math or other GE class	3
FCS 132	3	FCS 173	1
UNIV 100	1	FCS 234	2
FCS 299*	1		
TOTAL UNITS	14	TOTAL UNITS	14

Semester 3		Semester 4		Semester 5		Semester 6	
BIOL 207 (GE B1a)	4	MICRO 200	4	GE Class	3	GE Class	3
BIOL 260 or Approved Stats Class	3	PSY 100 (GE D.2)	3	SOC 100 (GE D.2)	3	CHEM 327	3
FCS 235	3	GE Class	3				
TOTAL UNITS	10	TOTAL UNITS	10	TOTAL UNITS	6	TOTAL UNITS	6
Semester 5		Semester 6		Semester 7		Semester 8	
GE class	3	FCS 321 (GE D2 HD)	3	FCS 312I (GE Capstone, E)	3	EDP 373I GE Capstone, C1)	3
SOC 100 (GE D.2) (CAN SOC 2)	3	FCS 275	3	FCS 275	3	FCS 321 (GE D2 HD)	3
CHEM 327	3	ENGL 101 or 317	3	ENGL 101 or 317	3	FCS 332	3
GE Class	3	IS 233 or 300 or FCS 387	3	IS 233 or 300 or FCS 387	3	FCS 375	3
TOTAL UNITS	12	TOTAL UNITS	12	TOTAL UNITS	12	TOTAL UNITS	12
Semester 7		Semester 8		Semester 9		Semester 10	
FCS 312I (GE Capstone, E)	3	EDP 373I (GE Capstone, C1)	3	FCS 331A	3	ANTH 412I, HCA 422I, GEOG 307I or	
FCS 331A	3	FCS 331B	3	FCS 477	3	HSC 420I (GE Capstones)	3
FCS 332	3	FCS 336	3	CHEM 448	3	FCS 331B	3
FCS 375	3	FCS 477	3	HRM 361 or PSY 381	3	FCS 336	3
		CHEM 448	3			CHEM 449	3
TOTAL UNITS	12	TOTAL UNITS	15	TOTAL UNITS	12	TOTAL UNITS	12
Semester 9		Semester 10		Semester 11		Semester 12	
FCS 436	3	ANTH 412I or HCA 422I or GEOG 307I or		FCS 436	3	FCS 438	3
FCS 436L	3	HSC 420I (GE Capstones)	3	FCS 436L	3	FCS 486	3
FCS 461	3	FCS 438	3	FCS 461	3	FCS 492K or 497	3
CHEM 449	3	FCS 486	3			FCS 499	2
HRM 361 or PSY 381	3	FCS 492K or 497	3	TOTAL UNITS	9	TOTAL UNITS	11
		FCS 499	2				
TOTAL UNITS	15	TOTAL UNITS	14				

*= Course to be taken 1st semester as major at CSULB

FAQ Concerning Road Maps for Completion of Undergraduate Degrees

For each undergraduate major, the on-line Catalog shows plans for scheduling all required courses to complete the degree in four, five, or six years.

While CSULB will make every effort to schedule classes at the times shown in the plans, we cannot guarantee that courses will be available in specific semesters. It is possible that shortage or budget or of personnel will make it impossible to offer as many classes as we would wish.

The plans are not substitutes for working with an advisor. You are strongly encouraged to see an advisor when planning your program each term.

I am a freshman. Do I have to choose now whether to follow the four, five, or six-year plan?

No. Most freshmen take 12-15 units. You need at least 12 units to receive full financial aid. With experience, you will be able to judge how heavy a load you find comfortable. This will depend on your outside obligations, such as a job, and on your personal circumstances. In theory, each unit requires three hours a week, including preparing for class, attending class, and completing assignments. Use these guidelines to budget your time and plan an appropriate schedule.

SIX YEAR PLAN TO COMPLETE THE B.S. in FAMILY AND CONSUMER SCIENCES - OPTION IN NUTRITION AND DIETETICS (FCS_BS01)

128 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition of COMM 110	3	COMM 110 or Composition	3
GE Class	3	CHEM 111A (GE B.1.b)	5
GE Math	3	FCS 173	1
FCS 132	3	FCS 234	2
UNIV 100	1		
FCS 299*	1		
TOTAL UNITS	14	TOTAL UNITS	11
Semester 3		Semester 4	
BIOL 207 (GE B1a)	4	MICR 200	4
BIOL 260 or Approved Stats Class	3	PSY 100 (GE D.2)	3
FCS 235	3	GE Class	3
		GE Class	3
TOTAL UNITS	10	TOTAL UNITS	13

Must I take the courses in the semesters shown on the plan?

The plan shows one possible way of completing all requirements for the degree. Consult your advisor about whether it is essential to take a given course in the semester shown. There are some rules to keep in mind:

- 1) You can take the General Education Foundation courses (Composition, Oral Communication, Critical Thinking, Mathematics) in any semester in the first 36 units of baccalaureate-level course work completed at CSULB.
- 2) You cannot take upper division courses until you have completed at least 30 units. (Exceptions can be made for students who already have completed advanced study in the subject.) You cannot take General Education Capstone courses until you have completed at least 60 units.
- 3) For some majors it is essential to complete courses in the correct sequence. You cannot take a more advanced course until you have completed the prerequisite course(s).
- 4) You must complete all requirements for admission to impacted majors within the first 60 units.

I have been told that I must take one or more pre-baccalaureate courses. How can I plan my program?

Your advisor at SOAR can help you identify which courses must be postponed. You must still complete the minimum number of baccalaureate units required for the degree.

You may be able to catch up by taking additional courses in later semesters or by taking classes in summer or winter session, or you may choose to spend an additional semester completing the program. You cannot begin the sequence of required courses for some majors until you are ready for baccalaureate-level Mathematics. See your major advisor to develop a plan for scheduling the required courses.

I didn't complete the exact list of courses shown. Can I still graduate on time?

The answer depends on your major and on what courses you have completed. The plans are not rigid requirements; they are only intended to provide guidance in planning a program. There are many reasons for students to follow a different pattern, such as changing the major, choosing to take fewer classes in a given semester, choosing to complete a minor or a second major. See your advisor for help in planning a program that will work for you.

If I follow the plan, will I have all requirements for graduation completed?

The plans include the specific courses required for the major. For some majors, there are restrictions on the choice of major electives. It is important that you select General Education courses to meet the required distribution pattern. You may need to take an additional General Education course to complete the minimum number of units required for each category. This is likely to happen if you took three-unit courses in Category B, Physical Universe.

The American Dietetic Association (ADA) Didactic Program in Dietetics

The ADA Didactic (Academic) Program in Dietetics (DPD) is designed to provide students with a foundation of knowledge and skills in dietetics that will enable them to perform successfully in a dietetic internship. The DPD is granted accreditation by the American Dietetic Association Commission on Accreditation for Dietetics Education, a specialized accrediting body recognized by the Council on Postsecondary Accreditation and the United States Department of Education. It is the responsibility of the student to consult with the ADA DPD Director to verify current ADA requirements to become a Registered Dietitian.

Students who choose to meet ADA academic requirements must select FCS 375 and FCS 477 as electives in their major.

Students must receive a grade of "C" or better in the DPD courses to receive verification of completion of the ADA program. Approval of a student's academic program by the CSULB DPD Director requires that the student complete courses FCS 477, 436L and 438 at CSULB.

Food Science

The Food Science curriculum has an interdisciplinary focus which includes food science, food processing, sensory evaluation, nutrition, chemistry, and microbiology, plus a variety of supporting course work in related disciplines. All courses are designed to develop an understanding of the physical and chemical nature of foods and how it relates to the food industry and consumer safety. The food industry careers awaiting graduates offer diverse opportunities as the world supply expands with technological developments. Career options for professionals in the field of food science include: research and product development, food formulation and processing, consumer safety, sensory evaluation, quality assurance, government organization, and food ingredient sales and marketing.

Option in Food Science (code FCS_BS02) (130 units)

BIOL 207; BIOL 260 or ED P 419 or H SC 403; CHEM 111A, 111B, 327, and 448; COMM 110; ENGL 101 or 317; MATH 119A and 119B; MKTG 300; MICR 200 and 473; PHYS 100A; PSY 100 or SOC 100; FCS 132, 234, 235, 299, 321, 330, 331A, 332, 336, 338, 432, 435, 464, 469, 486, 492F, and 499.

FOUR YEAR PLAN TO COMPLETE THE B.S. DEGREE IN FAMILY AND CONSUMER SCIENCES - OPTION IN FOOD SCIENCE (FCS_BS02)

128 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or COMM 110	3	COMM 110 or Composition	3
Math 119A (GE B2)	3	CHEM 111A (GE B1b)	5
GE Class	3	Math 119B	3
GE Class	3	PHYS 100A (GE B3)	4
FCS 132 (CAN FCS 2)	3	FCS 234	3
UNIV 100	1		
FCS 299*	1		
TOTAL UNITS	17	TOTAL UNITS	18
Semester 3		Semester 4	
Critical Thinking	3	MICRO 200	4
BIOL 207 (GE B.1.a)	4	GE Class	3
CHEM 111B	5	FCS 235	3
PSY 100 (GE D.2) or SOC 100 (GE D.2)	3	CHEM 327	3
		BIOL 260 or Approved Stats Class	3
TOTAL UNITS	15	TOTAL UNITS	16

Semester 5		Semester 6		Semester 9		Semester 10	
GE Class	3	GE Capstone course	3	GE Capstone course	3	FCS 435 or 464**	3
FCS 332	3	FCS 336	3	FCS 330	2	FCS 469	1
FCS 338 or 432**	3	FCS 435 or 464**	3	FCS 331A	3	FCS 486	3
ENGL 101/ 317	3	CHEM 448	3	FCS 338 or 432**	3	FCS 492F	3
GE Class	3	MKTG 300	3	MICR 473	3	FCS 499	2
TOTAL UNITS	15	TOTAL UNITS	15	TOTAL UNITS	14	TOTAL UNITS	12

Semester 7		Semester 8	
FCS 321 (GE D2 HD)	3	GE Capstone Course	3
GE Capstone Course	3	FCS 435 or 464**	3
FCS 330	2	FCS 469	1
FCS 331A	3	FCS 486	3
FCS 338 or 432**	3	FCS 492F	3
MICR 473	3	FCS 499	2
TOTAL UNITS	17	TOTAL UNITS	15

*= Course to be taken 1st semester as major at CSULB

**= Courses to be taken in designated semester

SIX YEAR PLAN TO COMPLETE THE B.2. DEGREE IN FAMILY AND CONSUMER SCIENCES - OPTION IN FOOD SCIENCE (FCS_BS02)

128 units required (actual 133) Department of Family & Consumer Sciences

*= Course to be taken 1st semester as major at CSULB

**= Courses to be taken in designated semester

FIVE YEAR PLAN TO COMPLETE THE B.S. DEGREE IN FAMILY AND CONSUMER SCIENCES - OPTION IN FOOD SCIENCE (FCS_BS02)

128 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or COMM 110	3	COMM 110 or Composition	3
GE Class	3	CHEM 111A (GE B.1.b)	5
MATH 119A (GE B.2)	3	GE Class	3
UNIV 100	1	FCS 234	3
FCS 299*	1		
TOTAL UNITS	11	TOTAL UNITS	13

Semester 1		Semester 2	
Composition or COMM 110	3	COMM 110 or Composition	3
GE Class	3	CHEM 111A (GE B1b)	5
MATH 119A (GE B2)	3	MATH 119B	3
FCS 132	3	FCS 234	3
UNIV 100	1		
FCS 299*	1		
TOTAL UNITS	14	TOTAL UNITS	14

Semester 3		Semester 4	
Critical Thinking	3	MICRO 200 (GE B.1.a)	4
BIOL 207 (GE B.1.a)	4	BIOL 260	3
CHEM 111B	5	GE Class	3
FCS 132	3	FCS 235	3
TOTAL UNITS	15	TOTAL UNITS	13

Semester 3		Semester 4	
BIOL 207 (GE B.1.a)	4	MICRO 200	4
CHEM 111B	5	GE Class	3
PSY 100 (GE D.2) or SOC 100 (GE D2)	3	FCS 235	3
BIOL 260	3	PHYS 100A	4
TOTAL UNITS	15	TOTAL UNITS	14

Semester 5		Semester 6	
GE Class	3	GE Class	3
PHYS 100A	4	GE Class	3
PSY 100 (GE D.2) or SOC 100 (GE.D.2)	3	CHEM 327	3
TOTAL UNITS	10	TOTAL UNITS	9

Semester 5		Semester 6	
GE Class	3	FCS 321 (GE D2 HD)	3
GE Class	3	FCS 332	3
GE Class	3	ENGL 101 or 317	3
CHEM 327	3	MKTG 300	3
TOTAL UNITS	12	TOTAL UNITS	12

Semester 7		Semester 8	
GE Class	3	FCS 321 (D2 HD)	3
FCS 332	3	GE Capstone Course	3
ENGL 101/ 317	3	MATH 119B	3
		MKTG 300	3
TOTAL UNITS	9	TOTAL UNITS	12

Semester 7		Semester 8	
GE Capstone course	3	GE capstone course	3
FCS 338 or 432**	3	FCS 336	3
CHEM 448	3	FCS 435 or 464**	3
TOTAL UNITS	12	TOTAL UNITS	9

Semester 9		Semester 10	
GE Capstone course	3	GE Capstone Course	3
FCS 331A	3	FCS 336	3
FCS 338 or 432**	3	FCS 435 or 464**	3
		CHEM 448	3
TOTAL UNITS	9	TOTAL UNITS	12

Semester 11		Semester 12	
FCS 330	2	FCS 435 or 464**	3
FCS 338 or 432**	3	FCS 469	1
FCS 486	3	FCS 492F	3
MICR 473	3	FCS 499	2
TOTAL UNITS	11	TOTAL UNITS	9

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I didn't complete the exact list of courses shown. Can I still graduate on time?

The answer depends on your major and on what courses you have completed. The plans are not rigid requirements; they are only intended to provide guidance in planning a program. There are many reasons for students to follow a different pattern, such as changing the major, choosing to take fewer classes in a given semester, choosing to complete a minor or a second major. See your advisor for help in planning a program that will work for you.

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Minor in Food Science (code FCS_UM04)

Significant preparation for employment in the Food Science Industry may be developed through completion of this program of study.

Twenty-one units including FCS 235, 332, 338, 432, 435, 464; 3 units selected from FCS 492F or 3 units of FCS 497 as approved by the Food Science faculty advisor. It is the student's responsibility to adhere to all prerequisites listed below. Some of the prerequisites fulfill General Education requirements.

1. CHEM 111A (fulfills GE Category B1b) or 202 (fulfills GE Category B3) is the prerequisite for FCS 235.
2. CHEM 327 and FCS 235 and MICR 200 are prerequisites for FCS 332.
3. FCS 332 is the prerequisite for FCS 338 and 435.
4. CHEM 327 and FCS 332 are prerequisites for FCS 432.
5. FCS 332 and BIOL 260 or equivalent statistics are prerequisites for FCS 464.

The Minor in Food Science is available to any non-Food Science major.

Hospitality Foodservice and Hotel Management

Hospitality Foodservice and Hotel Management furnishes students with the necessary background and expertise to excel as managers and leaders in the restaurant, foodservice, hotel, and lodging industries. The program of study provides a broad-based foundation in both academic and professional courses and includes hands-on practical experience. Career options include: restaurant manager, hotel manager, catering director, foodservice manager in a college, university, in-flight, healthcare, or corporate setting, manager in a motel or bed and breakfast facility, school foodservice director, manager in senior dining programs, stadiums or amusement parks, or as a food purchaser or broker.

Option in Hospitality Foodservice and Hotel Management (code FCS_BS03) (126 units)

ACCT 201; BIOL 205 or 207; CHEM 100 or 111A or 202; COMM 110; ECON 300 or 100 and 101; EDP 419 or IS 310 or MATH 180 or HSC 403 or SOC 250; ENGL 100; HRM 360 or 361 or PSY 381; IS 233 or 300 or FCS 387; MKTG 300; PHIL 160; PSY 100 or SOC 100; PSY 130 or PHIL 170 or ENGL 102; REC 141 or 225; FCS 132, 173, 176, 234, 270, 276, 299, 321, 336, 372, 375, 376, 378, 3 units of 379, 473, 474, 477, 486, 492J and 499. Additionally, a minimum of 7 units of pre-approved electives for professional enhancement is selected in consultation with a faculty advisor. Recommended electives include: ACCT 310; GEOG 352; GERN 400I; IS 301; REC 340I, 427, 462, 468, FCS 223 or 429, 312I or 319, 331A or 433 or 439, 332, 379, 461, 464, 492J, 497; others as approved by advisor.

FCS 492J requires 800 hours of approved work experience as a prerequisite for this option. Field study hours in FCS 379 can be used toward meeting the 800 hours.

FOUR YEAR PLAN TO COMPLETE THE B.S. IN FAMILY AND CONSUMER SCIENCES - OPTION IN HOSPITALITY FOODSERVICE AND HOTEL MANAGEMENT (FCS_BS03)

126 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or COMM 110	3	COMM 110 OR Composition	3
MATH 180 or Approved Stats Class	3	BIOL 205 or 207 (GE B1a)	4
GE Class or GE Math	3	PHIL 160 (GE C2b)	3
FCS 132	3	GE Class	3
UNIV 100	1	FCS 270	3
FCS 299*	1		

TOTAL UNITS 14 TOTAL UNITS 16

Semester 3		Semester 4	
PSY 130, PHIL 170 or ENGL 102 (GE A.3)	3	GE Class	3
CHEM 100 or 111A (GE B.1.b)	4 or 5	REC 141 or REC 225	3
GE Class, if needed	3	FCS 176	3
PSY 100 (GE D.2) or SOC 100 (GE D2)	3	ACCT 201	3
FCS 173	2		
FCS 234 (CAN FCS 32)	1		

TOTAL UNITS 13-17 TOTAL UNITS 12

Semester 5		Semester 6	
FCS 321 (GE D2 HD)	3	GE Capstone course	3
ECON 300 (GE D.2)	3	FCS 336	3
FCS 276	3	FCS 372	3
IS 233/ 300	3	FCS 375	3
MKTG 300	3	FCS 379	3
Major Elective	1	HRM 360 or 361 or PSY 381	3

TOTAL UNITS 16 TOTAL UNITS 18

Semester 7		Semester 8	
GE Capstone course	3	GE Capstone course	3
FCS 376	3	FCS 474	3
FCS 378	3	FCS 486	3
FCS 473	3	FCS 492J	3
FCS 477	3	FCS 499	2
Major Elective	3	Major Elective	3

TOTAL UNITS 18 TOTAL UNITS 17

*= Course to be taken 1st Semester at CSULB

FIVE YEAR PLAN TO COMPLETE THE B.S. IN FAMILY AND CONSUMER SCIENCES - OPTION IN HOSPITALITY FOODSERVICE AND HOTEL MANAGEMENT (FCS_BS03)

126 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or COMM 110	3	COMM 110 or Composition	3
MATH 180 or Approved STAT class	3	BIOL 205 or 207 (GE B.1.a)	4
GE Math,if needed, or other GE	3	GE Class	4
FCS 132	3	FCS 270	3
UNIV 100	1		
FCS 299*	1		

TOTAL UNITS 14 TOTAL UNITS 13

Semester 3

PSY 130, PHIL 170, or ENGL 102 (GE A.3)	3
CHEM 100 or 111A (GE B.1.b)	4 or 5
GE Class,if needed	3
FCS 173	1
FCS 234	2

TOTAL UNITS 10-14

Semester 5

PHIL 160 (GE C.2.)	3
PSY 100 / SOC 100 or (GE D.2)	3

TOTAL UNITS 6

Semester 7

ECON 300	3
GE Capstone course	3
HRM 360 or 361 or PSY 381	3
Major Elective	3

TOTAL UNITS 12

Semester 9

FCS 376	3
FCS 378	3
FCS 473	3
FCS 477	3
Major Elective	3

TOTAL UNITS 15

Semester 4

GE Class	3
REC 141or REC 225	3
FCS 176	3
ACCT 201	3

TOTAL UNITS 12

Semester 6

FCS 321 (GE D.2 HD)	3
FCS 296	3
FCS 336	3
IS 233 or 300	3
MKTG 300	3

TOTAL UNITS 15

Semester 8

GE Capstone course	3
FCS 372	3
FCS 375	3
FCS 379	3
Major Elective	1

TOTAL UNITS 13

Semester 10

GE Capstone course	3
FCS 474	3
FCS 486	3
FCS 492J	3
FCS 499	2

TOTAL UNITS 14

*= Course to be taken 1st semester as major at CSULB

SIX YEAR PLAN TO COMPLETE THE B.S. IN FAMILY AND CONSUMER SCIENCES - OPTION IN HOSPITALITY FOODSERVICE AND HOTEL MANAGEMENT (FCS_BS03)

126 Units Required Department of Family & Consumer Sciences

Semester 1		Semester 2	
Composition or COMM 110	3	COMM 110 or Composition	3
MATH 180 or Approved Stats Class	3	BIOL 205 or 207 (GE B.1.a)	4
FCS 132	3	GE Mathor other GE class	3
UNIV 100	1	FCS 270	3
FCS 299*	1		

TOTAL UNITS 11 TOTAL UNITS 13

Semester 3		Semester 4	
PSY 130, PHIL 170 or ENGL 102 (GE A.3)	3	REC 141 or REC 225	3
CHEM 100 or 111A (GE B.1.b)	4 or 5	FCS 176	3
FCS 173	2	ACCT 201	3
FCS 234	1		

TOTAL UNITS 13-14 TOTAL UNITS 9

Semester 5		Semester 6	
GE Class	3	GE class	3
PHIL 160 (GE C.2.)	3	PSY 100(GE D.2) or	3
FCS 276	3	SOC 100 (GE D.2)	
		GE Class, if needed	3
TOTAL UNITS	6	TOTAL UNITS	6-9

Semester 7		Semester 8	
FCS 321 (GE D2 HD)	3	GE Capstone course	3
IS 233 or 300	3	FCS 336	3
MKTG 300	3	HRM 360 or 361or PSY 381	3
		Major Elective	3
TOTAL UNITS	12	TOTAL UNITS	12

Semester 9		Semester 10	
ECON 300 (GE D.2)	3	GE capstone course	3
GE Capstone course	3	FCS 372	3
FCS 376	3	FCS 375	3
Major Elective	3	FCS 379	3
TOTAL UNITS	12	TOTAL UNITS	12

Semester 11		Semester 12	
FCS 378	3	FCS 474	3
FCS 473	3	FCS 492J	3
FCS 477	3	FCS 499	2
FCS 486	3	Major Elective	3
TOTAL UNITS	12	TOTAL UNITS	9

*= Course to be taken 1st semester as major at CSULB

FAQ Concerning Road Maps for Completion of Undergraduate Degrees

For each undergraduate major, the on-line Catalog shows plans for scheduling all required courses to complete the degree in four, five, or six years.

While CSULB will make every effort to schedule classes at the times shown in the plans, we cannot guarantee that courses will be available in specific semesters. It is possible that shortage or budget or of personnel will make it impossible to offer as many classes as we would wish.

The plans are not substitutes for working with an advisor. You are strongly encouraged to see an advisor when planning your program each term.

I am a freshman. Do I have to choose now whether to follow the four, five, or six-year plan?

No. Most freshmen take 12-15 units. You need at least 12 units to receive full financial aid. With experience, you will be able to judge how heavy a load you find comfortable. This will depend on your outside obligations, such as a job, and on your personal circumstances. In theory, each unit requires three hours a week, including preparing for class, attending class, and completing assignments. Use these guidelines to budget your time and plan an appropriate schedule.

Must I take the courses in the semesters shown on the plan?

The plan shows one possible way of completing all requirements for the degree. Consult your advisor about whether it is essential to take a given course in the semester shown. There are some rules to keep in mind:

1) You can take the General Education Foundation courses (Composition, Oral Communication, Critical Thinking, Mathematics) in any semester in the first 36 units of baccalaureate-level course work completed at CSULB.

2) You cannot take upper division courses until you have completed at least 30 units. (Exceptions can be made for students who already have completed advanced study in the subject.) You cannot take General Education Capstone courses until you have completed at least 60 units.

3) For some majors it is essential to complete courses in the correct sequence. You cannot take a more advanced course until you have completed the prerequisite course(s).

4) You must complete all requirements for admission to impacted majors within the first 60 units.

I have been told that I must take one or more pre-baccalaureate courses. How can I plan my program?

Your advisor at SOAR can help you identify which courses must be postponed. You must still complete the minimum number of baccalaureate units required for the degree.

You may be able to catch up by taking additional courses in later semesters or by taking classes in summer or winter session, or you may choose to spend an additional semester completing the program. You cannot begin the sequence of required courses for some majors until you are ready for baccalaureate-level Mathematics. See your major advisor to develop a plan for scheduling the required courses.

I didn't complete the exact list of courses shown. Can I still graduate on time?

The answer depends on your major and on what courses you have completed. The plans are not rigid requirements; they are only intended to provide guidance in planning a program. There are many reasons for students to follow a different pattern, such as changing the major, choosing to take fewer classes in a given semester, choosing to complete a minor or a second major. See your advisor for help in planning a program that will work for you.

If I follow the plan, will I have all requirements for graduation completed?

The plans include the specific courses required for the major. For some majors, there are restrictions on the choice of major electives. It is important that you select General Education courses to meet the required distribution pattern. You may need to take an additional General Education course to complete the minimum number of units required for each category. This is likely to happen if you took three-unit courses in Category B, Physical Universe.

Minor in Hospitality Foodservice and Hotel Management (code FCS_UM05)

Twenty-two units including FCS 173, 270, three units of 379 or 492J; 15 additional units selected from FCS 176 or 235, 275 or 276, 372, 375, 376, 378, 473, 474, and 477 as approved by a Hospitality Foodservice and Hotel Management faculty advisor.

The Minor in Hospitality Foodservice and Hotel Management is available to any non-Hospitality Foodservice and Hotel Management major.

Foodservice Systems Administration Certificate (code FCS_CT02)

The Certificate program in Foodservice Systems Administration is designed to provide those students pursuing the bachelor's degree in Dietetics and Food Administration, Business Administration, and other related fields with additional background in foodservice management, increasing their expertise at the management entry level. The program is appropriate for a variety of applications, including foodservice in restaurants, catering, hospitals, public schools, industrial foodservice, hotels and motels, airlines, and in governmental regulatory agencies.

The Certificate may be earned in conjunction with the bachelor's degree or awarded subsequent to obtaining the degree at CSULB. Courses taken to meet the requirements of the Certificate may be the same ones used to satisfy major, minor or General Education requirements, or the degree requirements of the participating departments.

Requirements

1. A bachelor's degree in dietetics/food administration, business administration, or other related fields;
2. Satisfactory completion of the following courses:
 - A. Nutrition: FCS 132;
 - B. Food Preparation and Service: FCS 235, 275;
 - C. Foodservice Management: FCS 375, 477, 474, 492J;
 - D. Business Administration: ACCT 201, HRM 361, 362, 440, MGMT 300, MKTG 300;
 - E. Related Fields: CHEM 202 and 302, ECON 300.
3. Maintain a GPA of 2.5 in the courses of the program and overall;
4. Consultation with and certification of successful completion by the Director of the Program in the Department of Family and Consumer Sciences.

Courses taken under the Credit/No Credit grading option may not be applied to this Certificate program.

Courses for Nutrition and Dietetics, Food Science, and Hospitality, Foodservice and Hotel Management Options

- 132. Introductory Nutrition
- 176. Fundamentals of Food Preparation in Hospitality Foodservice and Hotel Management
- 173. Applied Foodservice Sanitation
- 234. Orientation to Dietetics and Food Administration
- 235. Principles of Food Preparation
- 270. Introduction to Hospitality Foodservice and Hotel Management
- 275. Food Production Systems I
- 276. Food Production and Service in Hospitality Foodservice and Hotel Management
- 301. College Dining Services and Bookstore Administration
- 330. Dairy Science
- 331A. Fundamentals of Human Nutrition
- 331B. Fundamentals of Human Nutrition
- 332. Food Science
- 336. Cultural Aspects of Food and Nutrition
- 338. Introduction to Food Processing
- 339. Metabolic Functions of Nutrients.

- 372. Hotel and Lodging Management
- 375. Food Production Systems II
- 376. Customer Service Management in the Hospitality Foodservice and Hotel Industry
- 378. Legal Issues in Hospitality Foodservice and Hotel Management
- 379. Field Studies in Hospitality Foodservice and Hotel Management
- 430. Nutrition and Health
- 432./532. Food Analysis
- 433. Nutrition in the Life Cycle
- 435./535. Food Processing, Preservation and Packaging
- *436. Advanced Nutrition
- *436L. Nutritional Status Assessment Techniques
- *438. Medical Nutrition Therapy
- 439. Nutrition and Aging
- 461. Community Nutrition
- 464./564. Sensory Analysis of Foods
- 466./566. Biochemical and Hormonal Adaptations to Physical Activity
- 469. Food Production Development
- 473. Beverage Management
- *474./574. Cost Control in Hospitality Foodservice and Hotel Management
- 477. Foodservice Administration
- 492F. Internship in Food Science
- 492J. Internship in Hospitality Foodservice and Hotel Management
- 492K. Internship in Nutrition and Dietetics

Gerontology Certificate (code FCS_CT03)

A Certificate in Gerontology (24 units) may be earned in conjunction with the baccalaureate or master's degree. The purpose of this multidisciplinary program is to prepare specialists to work in the field of aging. Specific requirements are listed under Gerontology.

Master of Arts in Family and Consumer Sciences (code FCS_MA01)

The Master of Arts degree in Family and Consumer Sciences is designed for students seeking a master's degree, or professional enhancement, or for those wishing to pursue further graduate study. The mission of the program is to educate students to become competent researchers and practitioners who are responsive to the complex and changing needs of diverse families and communities.

The main goal of the graduate program is to provide an opportunity for students to increase competencies and knowledge within their disciplines. In addition, the program gives students opportunities to develop professional leadership and administrative skills. Students are able to work collaboratively with individuals in other disciplines as well as diverse communities to improve the quality of life.

The focus of the curriculum is to promote an understanding of theoretical approaches to the study of the disciplines within the department and the application of theories to enhance the quality of life of individuals, families, and communities. All students will get a strong background in research methods. The advanced candidate selects either a thesis track or directed project track to facilitate a selected career path. Students can expect to:

- Gain professional leadership and knowledge,
- Develop scholarship and research abilities,
- Enhance professional development.

There are three specializations in the Master of Arts degree in Family and Consumer Sciences.

- Apparel Design and Merchandising
- Consumer Affairs
- Family and Consumer Sciences Education

Interested students should contact Dr. Mary Jacob, Family and Consumer Sciences Graduate Coordinator, at (562) 985 4516 or marjacob@csulb.edu. On-line information can be found at www.csulb.edu/~marjacob.

Admission

Prospective applicants must comply with University requirements for admission to graduate studies as outlined in the CSULB Catalog. Students must concurrently submit applications to the University Admissions and Records office and the Department.

Admission Requirements to the Department

Admission to the Master of Arts in Family and Consumer Sciences is dependent upon approval by the Graduate Coordinator. The application requirements for prospective graduate students for the Master of Arts degree are:

1. An undergraduate overall GPA of at least 3.0 and a GPA of at least 3.0 in the last 60 undergraduate semester units.
2. A copy of the application submitted to the University Office of Admissions and Records.
3. Official transcripts of your baccalaureate degree. (These are in addition to those transcripts required for general graduate admission to California State University, Long Beach).
4. Three letters of recommendation (preferably from previous instructors).
5. Additional materials that provide evidence of academic performance may be requested (at a later date) after review of applicant's file.
6. Approval of the Graduate Coordinator.
7. THE DEADLINES FOR RECEIPT OF APPLICATIONS TO THE DEPARTMENT GRADUATE COORDINATOR ARE MAY 1ST FOR FALL ADMISSIONS AND NOVEMBER 1ST FOR SPRING ADMISSIONS.

If the appropriate coursework is taken in the correct sequence, the Qualifying Examination is passed with a grade of B and the Thesis or Directed Project requirements are completed in a timely manner, the student may be able to fulfill the requirements for the Master of Arts degree and graduate in two years (six semesters). This also requires the student to take six units every semester including two summer semesters. The Master of Arts degree in Family and Consumer Sciences offers three emphases: Apparel Design and Merchandising, Consumer Affairs, and Family and Consumer Sciences Education.

Prerequisites

1. A bachelor's degree with a major in Family and Consumer Sciences; or a bachelor's degree with a minimum of 24 units of upper division courses in Family and Consumer Sciences unless otherwise stated by the program area.
2. An undergraduate overall GPA of at least 3.0 and a GPA of at least 3.0 in the last 60 undergraduate units attempted. Students with less than a 3.0 GPA on the last 60 undergraduate units attempted, but who show promise in all other aspects, may be given special consideration after petitioning for admission into the program through the Graduate Coordinator.
3. Prerequisites for all courses carrying graduate credit must have been completed within seven years of taking the graduate courses. If the prerequisite is outdated, the prerequisite(s) must be repeated or credit obtained by examination.
4. Students deficient in undergraduate preparation must take courses to remove these deficiencies at the discretion of faculty in the specified subject matter area and the Graduate Coordinator. Courses taken to remove deficiencies or raise the GPA may not be included in the graduate program of study.

Retention

1. Maintain a 3.0 or better grade point average in all graduate work completed at CSULB and all graduate work transferred to meet graduate requirements.
2. Pass the Qualifying Examination at the end of the first year of coursework with a grade of B. A candidate who has failed will be allowed to take the Qualifying Examination a second time and the department Graduate Coordinator should be contacted for specific procedures for the second attempt.
3. Continued satisfactory progress toward the degree objective.

Advancement to Candidacy

1. Classified status.
2. Satisfactory completion of the Writing Proficiency Examination (WPE).
3. Minimum of 3.0 overall GPA and a 3.0 GPA average in all units undertaken for the approval program of study.
4. Complete EDP 419; FCS 511, 563, 605, 655A, and 696.

5. Pass the Qualifying Examination with a grade of 'B' or better. This examination will test the ability of the graduate student to understand, analyze, integrate and apply information and concepts presented in the following courses: FCS 511, 563, 605, 655A, and 696.

A faculty committee will prepare the questions, administer and grade the Qualifying Examination. Students do not register for a course to take the Qualifying Examination

6. Approval of the Graduate Coordinator, and Associate Dean of the College of Health and Human Services.
7. Enrolled in the semester in which the Advancement to Candidacy takes place.

Requirements

1. Completion of a minimum of 34 units of approved upper division and graduate courses with a minimum of 21 units in FCS.
2. Completion of EDP 419 and FCS 511, 563, 605, 655A, 696, 697, 692 or 698, and 9 units of Advisor approved courses in the area of specializations (Apparel Design and Merchandising or Consumer Affairs or Family and Consumer Sciences Education).
3. Completion of an oral presentation of the Thesis or Directed Project report.

Family and Consumer Sciences Courses

- 511. Family Theories
- 515. Perspectives in Human Development
- 520./420. Personal Finance for the Aging
- 529./429. Consumer Protection
- 550. Cultural Bases of Textiles and Apparel Design
- 559. Dress and Interpersonal Behavior
- 561. Curriculum Development in Family and Consumer Sciences
- 563. Evaluation in Family and Consumer Sciences
- 592. Internship in Family and Consumer Sciences/Gerontology
- 597. Independent Study
- 605. Seminar in Administration of Family and Consumer Sciences/
Gerontology Programs
- 615A. Seminar in Child Development
- 655A. Literature Review and Research in Family and Consumer Sciences
- 655B. Apparel Product Development
- 692. Directed Project
- 696. Research Methods
- 697. Directed Research
- 698. Thesis

Master of Science in Gerontology (code FCS_MS02)

A Master of Science degree in Gerontology may be earned through the Department of Family and Consumer Sciences. This interdisciplinary program consists of 45 members of the Gerontology faculty interest group in 21 departments. Gerontology is the scientific study of the processes and phenomena of aging, including biological, psychological and sociological dimensions. Specific requirements are listed under Gerontology.

Master of Science in Nutritional Science (code FCS_MS01)

The Master of Science Degree in Nutritional Science offers 3 emphases: Clinical/Community Nutrition, Food Science, and Foodservice Systems Management. These provide an opportunity for students to:

1. Specialize in nutrition therapy/community nutrition, food science or hospitality foodservice and hotel management;
2. Complete a master's degree and the academic requirements to qualify for membership in the American Dietetic Association concurrently and become eligible to apply to the Approved Dietetic Internship;
3. Increase competence in food and nutrition subject matter in preparation for college teaching, research, graduate study beyond the master's degree and administrative positions in public and private agencies.

Admission Criteria

Prospective applicants must comply with University requirements for admission to graduate studies as outlined in the CSULB *Catalog*. Students must concurrently submit applications to the University Admissions and Records office and the Department.

Admission to the Master of Science in Nutritional Science is dependent upon approval by the Graduate Coordinator. The applicant must submit the following materials to the Graduate Coordinator in the Department of Family and Consumer Sciences.

1. A copy of the completed application submitted to the CSULB Office of Enrollment Services.
2. Official transcripts of all undergraduate course work.
3. Three letters of recommendation with at least two from instructors who have direct knowledge of the applicant's scholastic ability, and professional qualifications.
4. A bachelor's degree with an undergraduate overall GPA of 3.0 and a GPA of 3.0 on the last 60 undergraduate units attempted.
5. A minimum score of 900 on the Verbal and Quantitative sections and a minimum score of 4.0 on the Analytical Writing section of the general Graduate Record Examination (GRE).
6. THE DEADLINES FOR RECEIPT OF APPLICATIONS TO THE DEPARTMENT GRADUATE COORDINATOR ARE MAY 1ST FOR FALL ADMISSIONS AND NOVEMBER 1ST FOR SPRING ADMISSIONS.

Prerequisites

1. Students may be admitted to the program under conditional status for several reasons. Students are responsible for meeting all conditional requirements to be removed from conditional status prior to enrolling in 500/600 level courses.
 - A. Students who need to bring their GPA up to 3.0 must achieve a GPA of 3.0 within one year of admission. The Graduate Coordinator, in consultation with the student and faculty advisor, will identify courses after evaluation of transcripts. Courses taken to raise the GPA may not be included in the graduate program of study.
 - B. The student who needs to pass the Writing Proficiency Examination (WPE) must do so within one year of admission and must attempt the WPE the first semester of enrollment.
 - C. The student who needs to pass the Test of English as a Foreign Language (TOEFL) must do so within one year of admission.
 - D. The student who needs to complete prerequisite deficiencies must do so using a program of study developed with the specialization area faculty advisor and approved by the Graduate Coordinator.
2. Students from other disciplines will be required to complete prerequisite courses before enrolling in 500/600 level courses.
3. Prerequisites for all courses carrying graduate credit must have been completed within seven years of taking the graduate courses. If any prerequisite is outdated, it may be repeated or credit obtained by written examination. Specifically, basic biological science courses and foundation nutrition and food science courses are evaluated for currency. The department administers a proficiency examination covering the content of FCS 331A and 332 courses for students in all emphases who have not taken these courses or their equivalents within the past five years. In addition, FCS 331B course content will be included in the proficiency examination for students in the Nutrition Therapy/Community Nutrition emphasis. Any student failing to pass the proficiency examination with a grade of "B" or better must take the appropriate course for credit.
4. Entering graduate students will meet with the Graduate Coordinator to prepare a tentative degree program. In order to enroll in any graduate course, the student must complete all prerequisites and deficiencies and must obtain approval from the Graduate Coordinator.

Advancement to Candidacy

1. Satisfy the general University requirements for Advancement to Candidacy.
2. Complete 9 units of graduate courses, including FCS 696.
3. Successfully complete of the Writing Proficiency Examination (WPE).
4. Maintain a 3.0 GPA for all course work attempted as a graduate student.
5. Complete a Program of Study in consultation with a faculty advisor.
6. Approval by the Graduate Coordinator of Family and Consumer Sciences and the Associate Dean of the College of Health and Human Services.

Requirements

1. Completion of a minimum of 34-39 units depending on concurrent completion of a dietetic internship.
2. An advanced statistics course: EDP 519 or H/SC 503 or KPE 590 or BIOL 563 or BIOL 565 or a course approved by the faculty advisor.
3. At least 18 units of 500/600 level courses in Family and Consumer Sciences.
 - A. Nutrition Therapy with Dietetic Internship (39 units): BIOL 342, FCS 530A, 530B, 531, 562, 591A, 591B, 696, 697, 692 or 698, and advisor approved specialization courses.
 - B. Nutrition Therapy without Dietetic Internship (34 units): BIOL 543, FCS 530A, 530B, 562, 655A, 696, 697, 692 or 698, and advisor approved specialization courses.
 - C. Community Nutrition with Dietetic Internship (39 units): HSC 500, FCS 530A, 531, 562, 563, 591A, 591B, 636, 696, 697, 692 or 698, and advisor approved specialization courses.
 - D. Community Nutrition without Dietetic Internship (34 units): HSC 500, FCS 530A, 531, 562, 563, 636, 696, 697, 692 or 698, and advisor approved specialization courses.
 - E. Food Science (34 units): FCS 530A, 532, 533, 535, 564, 592, 597, 696, 697, 698, and advisor approved specialization courses.
 - F. Hospitality Foodservice and Hotel Management (34 units): FCS 573, 574, 597, 655A, 696, 697, 692 or 698, plus 9 units of advisor approved specialization courses.
4. An overall GPA of 3.0 or better.
5. A written thesis or a Directed Project.
6. Oral presentation of the thesis or Directed Project report.

American Dietetic Association (ADA) Accredited Dietetic Internship (DI)

The Department of Family and Consumer Sciences offers a combined Master of Science in Nutritional Science and DI supervised practice. This experience fulfills the registration eligibility requirements of the ADA to become a Registered Dietitian. Upon successful completion of the DI, the student will be eligible to write the Registration Examination for Dietitians.

The DI requires 1,093 hours total, with 928 hours of practice divided into four emphases: nutrition therapy, foodservice systems management, community and business/entrepreneurial nutrition. The Seminar in Dietetic Practice constitutes the remaining 165 hours of the DI. The supervised practice is conducted off campus at a variety of excellent facilities. Opportunities exist in acute and long-term health care sites, as well as in teaching, research, community and governmental agencies. Students will receive training in general dietetics with experiences that expose them to various specialty areas.

Admission Requirements

1. Completion of the Didactic Program in Dietetics as stipulated by ADA with an original verification statement from a Didactic Director;
2. Earned baccalaureate degree;
3. GPA 3.0/4.0 scale required on the last 60 units of courses completed;
4. Related volunteer or work experience in the United States;
5. Graduate standing in the CSULB Master of Science, Nutritional Science program;
6. Application materials to Dietetic Internship Director by February 1st including three letters of recommendation, formal ADA application, a \$45 application fee, and copies of all college transcripts; and
7. Personal interview with Program Director and review committee.

Program Requirements

Upon satisfactory completion of the Supervised Practice in Dietetics: FCS 591A, the Seminar in Dietetic Practice: FCS 591B, and completion of two of the three core graduate courses, FCS 531, 533, 562 or equivalent with a grade of "A" or "B", the student will be eligible to take the Registered Dietitian (R.D.) exam sponsored by the American Dietetic Association.

The 6 units of required graduate courses and a total of 2 units of FCS 591B are applicable toward the M.S. degree in Nutritional Science. Completion of the M.S. degree is not a requirement for completion of the Dietetic Internship. Students should contact the Dietetic Internship Director for complete details on this program at www.csulb.edu/~gcfrank.

Career opportunities include: clinical dietitian; consultant; entrepreneur; community nutritionist; foodservice manager in hospitals, schools, universities, airlines, businesses; manager in restaurant, hotel, or lodging industries; researcher in the medical, food or nutrition industry, and government inspector in the food industry.

Nutritional Science Courses

- 530A. Carbohydrates, Lipids and Proteins
- 530B. Vitamins and Minerals
- 531. Advanced Community Nutrition
- 532./432. Food Analysis
- 533. Recent Advances in Food Science
- 535./435. Food Processing, Preservation and Packaging
- 562. Contemporary Issues in Nutrition
- 564./464. Sensory Analysis of Foods
- 566./466. Biochemical and Hormonal Adaptations to Physical Activity
- 573. Current Topics in Hospitality Foodservice and Hotel Management
- 574./474. Cost Control in Hospitality Foodservice and Hotel Management
- 577. Foodservice Administration
- 591A. Professional Practicum in Dietetics
- 591B. Seminar in Dietetic Practice
- 635. Seminar in Food Science, Nutrition and Foodservice Systems Management
- 636. Nutrition and the Media

Courses (FCS)

Lower Division

111. Preschool Child (3)

Behavior and development in early childhood, with emphasis on the interaction of parents, children and teachers. (Lecture-discussion 3 hours.) (CAN FCS 14)

132. Introductory Nutrition (3)

Prerequisite: One of the Foundation courses (may be taken concurrently). Essential nutrients, their physiological functions and human needs during the life cycle; food sources as applied to selection of an adequate diet; problems encountered providing food to meet nutritional needs; food additives and consumer protection. Not open to students with credit in FCS 232. (Lecture-discussion 3 hours.) (CAN FCS 2.)

154. Fundamentals of Apparel Production (3)

Analysis of the interrelationship of garment design and apparel construction. Application of theories and methods of apparel design to garment construction. Letter grade only (A-F). Not open to students with credit in FCS 254. (Lecture-discussion 2 hours, Laboratory 3 hours.) (CAN FCS 10)

155. Introduction to the Fashion Industry (3)

Organization, structure and interrelationship of industries and services that comprise the business of fashion: terminology, designers, trade organizations and publications. Professional opportunities explored. Letter grade only (A-F). (Lecture-discussion 3 hours.)

173. Applied Foodservice Sanitation (1)

Principles of sanitation and safety as applied to any restaurant or institutional foodservice facility. Includes the cause, control and investigation of food borne illnesses, sanitary practices with purchasing, receiving, storing and preparing food, principles of Hazard Analysis Critical Control Point (HACCP), sanitary maintenance of kitchen, dining room and all equipment, personal hygiene, vector control, and safety of the food handler. Letter grade only (A-F). (Lecture-discussion 1 hour.)

176. Fundamentals of Food Preparation in Hospitality Foodservice and Hotel Management (3)

(Recommended corequisite: CHEM 100, 202, or equivalent). This course covers the basic scientific principles related to various foods and food preparation methods from the perspective of the restaurant and foodservice industry. The fundamental skills and techniques used for handling and preparing foods to maintain quality and safety are covered. (Lecture-discussion 2 hours, laboratory 3 hours.) Letter grade only (A-F). Course fee may be required.

211. Guiding Young Children (3)

Prerequisites: PSY 100 or SOC 100 or FCS 111. Processes, techniques, models, research, and selected issues in child guidance as applied to 3-5 year-old children in family and community settings. Development of a personal approach to guidance based on current scientific research and theory concerning child development. (Lecture-discussion 3 hours.)

213. Family, Community, and Young Children (3)

Introductory study of young children and the influences of family, school and community on their development. Exploration of various cultural and social factors, focusing on the resources necessary to promote healthy growth and development. Students may not substitute this course for FCS 413. (Seminar 3 hours.)

214. Environments for Preschool Children (3)

Prerequisites: FCS 111 or consent of instructor. Introduction to preschool care-giving practices. Growth and development of preschool children relating to the classroom environment. Application of theories, models, and research to current preschool classroom practices. (Lecture-discussion 3 hours.) Letter grade only (A-F).

215. Environments for Infants and Toddlers (3)

Prerequisites: FCS 111 or consent of instructor. Introduction to infant and toddler care-giving practices. Growth and development of children from birth through three years of age relating to the classroom environment. Application of theories, models, and research to current infant and toddler classroom practices. (Lecture-discussion 3 hours.) Letter grade only (A-F).

219. Stress, Coping and Resiliency for the Professional Educator (3)

Prerequisites: ENGL 100. This course identifies stressors which diminish the effectiveness of the learning environment and place children at-risk for school problems. The Family Resiliency Model is utilized to examine critical family dynamics which affect children's emotional and psychological development. Stressors which spill over from the broader community (e.g., community violence, and natural catastrophes), as well as stressors which emerge from within the classroom (e.g., peer conflict, teacher-student conflict, and teacher-burnout are also examined). Practical skills are provided to future teachers to assist them in managing their personal stress, in developing effective communication and conflict management skills, and in creating a safe, competence-producing and cooperative learning environment. (Lecture-Discussion 3 hours.) Letter grade only (A-F).

223. Personal and Family Financial Management (3)

Prerequisites: Completion of the 13 unit G.E. Foundation requirements. A functional approach to personal finance including budget systems, consumer credit, insurance, debt collection system, status obligation, accumulating reserves. Applicable for personal and professional use. (Lecture-discussion 3 hours.)

226. Consumer Life Skills (3)

Prerequisite: Completion of the G.E. foundation. Consumer life skills with an emphasis on practical applications in the marketplace. Includes the history of the consumer movement, consumer rights and responsibilities, financial wellness, consumer debt, consumer behavior, fraud, and consumer redress. (Lecture-discussion 3 hours.)

228. Housing in Global Perspective (3)

Prerequisites: Completion of the 13-unit G.E. Foundation Requirements. Family housing options and choices in urban and rural areas throughout the world viewed within the context of history, politics, culture, art, environment, geography, technology and economics. (Lecture-discussion, 3 hours).

234. Orientation to Dietetics and Food Administration (2)

Role of the professional in dietetics and food administration; orientation to career opportunities in Food, Nutrition and Foodservice Systems Management; personnel and physical facilities, including equipment in health care and mass feeding programs. (Lecture-discussion 1 hour, activity 2 hours.)

235. Principles of Food Preparation (3)

Prerequisites: CHEM 100 or 111A or 202. Application of scientific principles in the preparation of selected food products with emphasis on the physical and chemical properties of food; methods and techniques of food preparation; factors that contribute to quality of prepared foods. (Lecture-discussion 2 hours, Laboratory 3 hours.) Course fee may be required. (CAN FCS 8)

251. Professional and Personal Apparel Selection (3)

Prerequisites: Completion of the 13-unit G.E. Foundation requirements. Apparel selection for professional and personal needs based on design, culture and fashion. Wardrobe analysis and coordination; consumer clothing guidelines. (Lecture-discussion 3 hours.) (CAN FCS 20)

252. Analysis, Evaluation and Comparison of Ready-to-Wear (3)

Analysis of the quality of materials, design and construction in ready-to-wear garments and accessories; comparison of processes involved in manufacturing, concepts of sizing, principles of fit; aids in buying and selling. (Lecture-discussion 3 hours.)

253. Introductory Textiles (3)

A consumer-oriented approach to textile selection, use, and care. Provides a basis for a logical, consistent rationale in choosing apparel and interior textiles. Explores careers within the international textile industry. (Lecture-discussion 3 hours.) Letter grade only (A-F).

256. Intermediate Apparel Production (3)

Prerequisites: FCS 154, 155 or 251. Continuation of construction techniques used in apparel production with concentration on current fabrics and techniques used in contemporary ready-to-wear. (2 hours discussion, 3 hours laboratory.)

257. Introduction to Apparel Flat Pattern (3)

Prerequisites: FCS 154, 155 or 251. Introduction to the design concept as it applies to flat pattern manipulation. (Discussion 2 hours, Laboratory 3 hours.) Letter grade only (A-F).

258. Fashion Merchandising and Design Practicum (3)

Prerequisite: FCS 155 and consent of the instructor. A structured work/learning experience in the retail industry designed to develop competencies required for successful performance in retail management or other fashion related fields. Each student must obtain a fashion retail sales position by the first day of class. (Lecture-activity 3 hours.) Letter grade only (A-F).

270. Introduction to Hospitality Foodservice and Hotel Management (3)

Introduction to the hospitality foodservice and hotel industry and historical overview of the field. Careers in hospitality foodservice and hotel management are defined. Relationship of careers to the community and the foodservice and hotel/lodging industry are explored. Overview of the organization and current forces shaping foodservice and hotel operations. (Lecture-discussion 3 hours.)

275. Food Production Systems I (3)

Prerequisites: FCS 132 and 235. Factors which influence individual, family and quantity foodservice. Menu planning and food selection, preparation and service in relation to management of time, energy and money. Foodservice practices for regular meals and special occasions. (Lecture-discussion 2 hours, laboratory 3 hours.) Course fee may be required.

276. Food Production and Service in Hospitality Foodservice and Hotel Management (3)

Prerequisite: FCS 176. This course covers the fundamentals of planning, organizing, preparing, and serving of meals as applicable to the hospitality foodservice and hotel industry. Operations relative to the provision of quality food and beverage services are included. (Lecture-discussion 2 hours, laboratory 3 hours.) Letter grade only (A-F). Course fee may be required.

290. Directed Studies (1-3)

Independent study under the direction of a faculty member. Exploration and experience in areas which are not a part of any regular course. Letter grade only (A-F). (Seminar) May be repeated to a maximum of 6 units with different topics.

296. Applied Arts in Family and Consumer Sciences (3)

Applied arts in communicating design concepts for Family and Consumer Sciences professions. (Activity 3 hours.)

299. Themes and Issues in Family and Consumer Sciences (1)

Must be taken during first semester as Family and Consumer Sciences or Dietetics and Food Administration major. Study of family and consumer sciences as a discipline of study and a profession in both historic and contemporary perspectives. An integrative, interdisciplinary framework is the basis for examining the relationship of each area of specialization to the mission of family and consumer sciences and to the root disciplines. (Discussion 1 hour.)

Upper Division

301. College Dining Services and Bookstore Administration (3)

Prerequisite: Consent of instructor. Academic and experiential learning in the management of college dining services and bookstore. An internship for student employees of Forty-Niner Shops, Inc.; 150 hours of work experience, 18 hours of classroom instruction.

309I. The Consumer in the Legal and Economic Environment (3)

Prerequisites: Completion of G.E. Foundation courses; completion of one or more Exploration courses; upper division standing. Combines the economic and ethical components of consumer issues with a critical analysis of relevant substantive aspects of consumer law. Incorporates an integrated coverage of the economic, legal, and regulatory environment of consumers in avoiding and resolving disputes regarding fraudulent transactions, financial matters, personal and real property contracts, torts, credit and investment issues, and family relationships. Team taught. Same course as ECON 309I and FIN 309I. (Lecture-discussion 3 hours.)

311. Prenatal Development and Infancy (3)

Prerequisites: FCS 111 and upper division standing. Human development from conception through prenatal development, childbirth, the neonatal period, infancy and toddlerhood with emphasis on the various aspects of development and the environmental/social factors essential for human growth. (Lecture-discussion 3 hours.)

312I. Family and Personal Development (3)

Prerequisites: completion of the G.E. Foundation, one or more Explorations courses, and upper-division standing; PSY 100, SOC 100 or ANTH 120. Interdisciplinary introduction to the concepts underlying contemporary American family life and the influence of social and cultural conditions on human development. (Lecture-discussion 3 hours.)

314. The Older Child (3)

Prerequisites: FCS 111, and upper division standing or consent of instructor. Behavior and development in middle and late childhood and adolescence, with emphasis on individual and cultural differences. (Lecture-discussion 3 hours)

319. Family Stress and Coping (3)

Prerequisites: Completion of the 13-unit G.E. Foundation requirements; ANTH 120 or PSY 100 or SOC 100 or consent of instructor. Examination of theories and research associated with stressors affecting family functioning throughout the lifecycle. Consideration given to both normative transitions and non-normative stressors. Emphasis on strategies to assist families to deal productively with stress and change. (Lecture-discussion 3 hours.)

321. Family and Consumer Resource Management (3)

Prerequisites: Completion of the 13-units G.E. Foundation requirements; upper division standing. Basic management principles applied to personal and family settings. The role of values, goal formation, decision-making, planning, implementing, and evaluation of managerial behavior in diverse family and cultural settings are examined. (Lecture-discussion 3 hours.)

322. Family Housing and the Urban Community (3)

Prerequisites: Upper-division standing. Critical analysis of family housing in the urban community including aspects of shelter, city and service providers. Sociological, psychological, legislative, economic and technical factors are investigated. Special attention is given to families of various structures and socioeconomic background (Discussion 3 hours.)

330. Dairy Science (2)

Prerequisites: FCS 132, 235. Study of dairy science from chemical microbiological quality assurance, processing techniques, nutritional values, and economic standpoints. Integration of recent technology as implemented to feature marketed dairy products both traditional and contemporary. (Lecture-discussion 2 hours.)

331A. Fundamentals of Human Nutrition (3)

Prerequisites: FCS 132, BIOL 207, CHEM 302 or 327 or equivalent. Nutritional needs with emphasis on the physiological and chemical foundation for these needs; factors influencing nutrient needs. (Lecture-Discussion 3 hours.)

331B. Fundamentals of Human Nutrition (3)

Prerequisites: FCS 331A. Nutritional needs with emphasis on changes through the life cycle. Introduction to dietary modifications in various pathological conditions. Introduction to nutrition assessment and nutrition education techniques. (Lecture-discussion 3 hours.)

332. Food Science (3)

Prerequisites: CHEM 327; FCS 235; MICR 200 or equivalent. Composition and structure of foods: chemical changes in foods that affect their color, flavor, texture, aroma, and nutritive quality during processing and preparation; techniques for food preservation. (Lecture-discussion 2 hours, laboratory 3 hours.) Course fee may be required.

336. Cultural Aspects of Food and Nutrition (3)

Prerequisites: PSY 100 or SOC 100 or ANTH 120 or equivalent; FCS 132. Cross-cultural study of food and nutrition. Factors such as religion, food supply and socioeconomic status are considered as they influence nutritional status and food intake in various populations throughout the world. (Lecture 3 hours.)

338. Introduction to Food Processing (3)

Prerequisites: FCS 332. Study of industrial concepts of food processing and technology. Discussion of processing raw agricultural commodities through the production phases to a final product acceptable to consumers. (The course may include limited visitations to food preparation sites.) (Lecture-discussion 3 hours.)

339. Metabolic Functions of Nutrients (1)

Prerequisites: CHEM 302, BIOL 207, and consent of instructor. Metabolic role of nutrients in the human body; practical application of nutrition to patient care. Open to Nursing Majors only. (Activity 2 hours.)

351. Fashion Promotion and Sales (3)

Prerequisites: FCS 155, 251, 252 or 154. Concepts, practices and procedures related to fashion promotion. Includes planning, directing and evaluating promotion activities such as visual merchandising, special events, publicity, and personal and non-personal selling. (Discussion 3 hours.)

352. Computerized Apparel Flat Pattern (3)

Prerequisites: FCS 256, 257 and 387. Use of computer aided design software for apparel pattern development. (Laboratory 6 hours.) Letter grade only (A-F).

353. Intermediate Textiles (3)

Prerequisites: CHEM 100 or 111A; FCS 155 and 253. Interrelationship of fiber, yarn, structure, fabric geometry and finishing treatments to the textile's appearance, comfort, durability and maintenance. (Lecture-discussion 2 hours, Laboratory 3 hours.) Letter grade only (A-F).

354. Analysis of Apparel Design and Tailoring (3)

Prerequisites: FCS 155, 251, 256 and 257. Analysis of traditional and contemporary processes in the design and production of tailored apparel. Application of apparel design and production process for couture, ready-to-wear, and individually produced garments. (Discussion 2 hours, Laboratory 3 hours.) Letter grade only (A-F).

355. Fashion Merchandising Planning and Control (3)

Prerequisites: ELM Passage, ACCT 201, FCS 155, FCS 387, or consent of instructor. Concepts, practices and procedures as well as calculations and computer applications as they relate to apparel retail profit. Includes inventory methods, operating statements and purchase planning procedures. (Discussion 3 hours.)

357. Advanced Apparel Flat Pattern (3)

Prerequisites: ELM passage, FCS 155, 251, 253, 256 and 257. Exploration of the total design concept as it applies to pattern manipulation. (Discussion 2 hours, Laboratory 3 hours.) Letter grade only (A-F).

358. Fathers and Fathering (3)

Prerequisites: PSY 100 and SOC 100 or FCS 111. An overview of the sociological and psychological literature on parenting with emphasis on fathers and fathering in the U.S. Focus on current literature and research regarding the perceived and changing roles of fathers. Discussion of fathers from various ethnic groups in an effort to diminish stereotypes. Same course as PSY 366. (Lecture-discussion 3 hours.)

372. Hotel and Lodging Management (3)

Prerequisite: FCS 270. Students will become acquainted with the organization and management of hotel and lodging facilities. The course covers the functions of various operational departments and how they interrelate. The importance of assuring quality guest service will be emphasized. Field trips may be required. (Lecture - discussion 3 hours.)

375. Food Production Systems II (3) F,S

Prerequisites: FCS 173 and 275. Facilities at various types of quantity food operations are utilized to provide students with production and operational experiences -- menu planning, costing, standardizing recipes, serving, merchandising, sanitation and safety. Field experiences include commercial and non-commercial settings, such as, hospitals, restaurants, hotels, school districts, universities, airlines, and senior foodservice systems. (Lecture - discussion 2 hours, Laboratory 3 hours.) Letter grade only (A-F).

376. Customer Service Management in the Hospitality Foodservice and Hotel Industry (3)

Prerequisites: FCS 270. Components of customer service management and guest relations in the foodservice and lodging industries are examined. Importance of quality customer service and its relationship to the success of operations in the industry will be covered. Field trips and off-campus activities required. (Lecture-activity 3 hours.) Letter grade only (A-F).

378. Legal Issues in Hospitality Foodservice and Hotel Management (3)

Prerequisite: Upper division standing or consent of instructor. The laws of foodservice and lodging are examined as they have evolved historically and as they exist today. Legal components of foodservice and lodging management will be covered. (Lecture discussion 3 hours.)

379. Field Studies in Hospitality Foodservice and Hotel Management (1-3)

Prerequisites: Upper division standing or consent of instructor. A structured experiential learning course designed to expand professional experiences and to enhance the development of competencies required for successful performance in hospitality foodservice and hotel management. May be repeated to a maximum of 6 units.

387. Consumer Technology (3)

Prerequisites: FCS 299 and upper division standing. The impact of consumer technology on the quality of life of individuals and families at home, in home-based work environments, and in professional environments. Computer application for consumers in family resource and household management, including problem solving and decision-making. Professional applications. Analysis of social, psychological, and economic impacts. Discussion 2 hours, Laboratory 3 hours.)

402./502. Child and Family Law (3)

Prerequisites: FCS 312I and upper division standing. Establishment, conduct, and termination of family relationships as well as the rights and duties of parties to non-marital family relationships will be examined. Topics include, the "Best Interest of the Child Rule," artificial insemination, property rights, adoption, child custody, domestic violence, support of children, spousal support, genetic testing, new trends in family law, and paternity. Letter grade only (A-F). (Lecture-discussion 3 hours.)

409. Language, Learning and the Developing Child: A Cross-Cultural Perspective (3)

Explores the communicative-linguistic, cognitive, physical, and socio-emotional development of the child from the prenatal to adolescent period across diverse cultures with an emphasis on language acquisition and the learning process. Letter grade only (A-F). Not open to students currently enrolled in the Liberal Studies program. Same course as LING 429, EDEL 429, and EDP 428.

410. International Families: Families in Cross-Cultural Perspectives (3)

Prerequisites: FCS 312I or consent of instructor. Designed to provide students with an in-depth understanding of cross-cultural diversities in families from varied nationalities. Information concerning similarities and differences which exists in such areas as dating and marriage customs, family structure and family forms from selected cross-cultural families will be considered. (Lecture-discussion 3 hours.)

***411. Individual Child Study and Guidance (3)**

Prerequisites: Upper division standing; FCS 311 or FCS 314 or HDEV 307I or PSY 361; or consent of instructor. Analysis and interpretation of theory, research, trends and techniques for the study and guidance of the individual child in family and community settings. (Lecture-activity 3 hours.)

***412. Family Interaction (3)**

Prerequisites: Upper-division standing, FCS 312I, or consent of instructor. Dynamics of interaction and communication in interpersonal relationships throughout the family life cycle. Experience with a variety of communication skills in small group settings. (Lecture-discussion 3 hours.)

***413. Child and Family in the Community (3)**

Prerequisites: Upper-division standing, FCS 312I, or consent of instructor. Study of cultural varieties and the needs of the contemporary American family in an urban community; analysis of current issues and problems; identification of and experience with community resources and agencies. (Lecture-discussion 3 hours.)

414. Fieldwork with Preschool Children (3)

Prerequisites: FCS 111, 211, 214, or consent of instructor. Supervised teaching/learning experience with preschool children including development of skills for observation and assessment as well as curriculum planning, implementation and evaluation. May be repeated to a maximum of 6 units with assignments reflecting increasing levels of difficulty. (Lecture 1 hour, laboratory 6 hours.)

415. Fieldwork with Infants/Toddlers (3)

Prerequisites: FCS 111, 211, 214, or consent of instructor. Supervised teaching/learning experience with infants/toddlers, including development of skills for observation and assessment as well as curriculum planning, implementation, and evaluation. May be repeated to a maximum of 6 units with assignments reflecting increasing levels of difficulty. (Lecture 1 hour, laboratory 6 hours.)

416A. Introduction to Administration and Supervision of Child Development Programs (3)

Prerequisites: FCS 414 or FCS 415 or consent of instructor. Minimum and recommended standards and laws pertaining to housing, equipment, play space, adult/child ratio, health supervision and meal service for children's programs. Selection and supervision of personnel, program planning and directing. (Lecture-discussion 3 hours.)

416B. Applications of Administration and Supervision of Child Development Programs (3)

Prerequisites: FCS 416A or consent of instructor. Decision theory and its application, communication strategies, planning, operating and evaluating programs for young children. (Lecture-discussion 3 hours.)

417. Premarital Intervention (3)

Prerequisites: FCS 312) or consent of instructor. Review of research on dating relationships and intervention programs designed for individuals or couples prior to marriage. Consideration of shyness, dating anxiety, intimacy, sexual decision-making, values clarification, self-disclosure, and conflict resolution. Emphasis on applying research to the development of programs to assist premarital individuals enrich their relationships. (Lecture-discussion 3 hours.)

*418. Parent Education (3)

Prerequisites: Upper-division standing and at least 6 units of upper division child development and family studies or equivalent courses, or consent of instructor. Principles and techniques for working with parents in community and school programs. Assessment of needs and development of programs for adults in a variety of social and cultural settings. (Lecture-activity 3 hours.)

*419. Family Life Education (3)

Prerequisites: Upper-division standing, FCS 413, or consent of instructor. Concepts, principles and paradigms on family life education will be explored. Contemporary issues confronting individuals and families will be addressed. The focus of the course is on planning, implementing, and evaluating family life education programs. Gender, ethnicity, and diversity issues as they relate to family life education will be stressed. Letter grade only (A-F). (Lecture-discussion 3 hours)

420./520. Personal Finance for the Aging (3)

Prerequisites: 400-level course in Consumer Affairs or consent of instructor. Provides an understanding of the operations of personal finance as applied to the aging population. Topics include public and private sources of income, living expense, public and private sources of assistance, personal budget systems, financial planning, legal rights of the aged affecting their personal finances, and financial counseling for the aging. Same course as GERN 420/520. (Lecture-discussion 3 hrs)

*422. Housing Policies: Public and Private (3)

Prerequisites: FCS 322, upper division standing or consent of instructor. Federal, state, and local policies, programs and legislation concerning housing and urban development. Analysis of the housing industry and its influence on the consumer market. Letter grade only (A-F). (Discussion 3 hours.)

*424. Independent Living for Disabled and Elderly Persons (3)

Prerequisite: FCS 321 or 322 or GERN 400) or consent of instructor. Independent living concepts related to physically and/or functionally disabled adults. Personal, environmental and programmatic responses to disability and aging. Activities include individual and group projects and site visits to such locations as an adapted private home, an Independent Living Center, a "special clothing" manufacturer, and a multipurpose rehabilitation center. Letter grade only (A-F). Same course as GERN *424. (Lecture-Activity 3 hours.)

*425. Personal Financial Planning Analysis (3)

Prerequisite: FCS 223 or consent of instructor. Analysis and protection of personal and family resources; planning and forecasting goals; development of financial strategies utilizing insurance, investment, tax management, pensions, wills and trusts. (Lecture-discussion 3 hours.)

*426. Family Financial Problems (3)

Prerequisite: FCS 223 or consent of instructor. Theory and practice in the diagnosis of family financial crises; selecting alternative solutions; constructing practical methods for the prevention of family financial problems. (Discussion 2 hours, laboratory 3 hours.)

*428. International Housing (3)

Prerequisite: FCS 322 and upper division standing. Theories and solutions of family housing in urban and rural communities throughout the world. Letter grade only (A-F) (Discussion 3 hours.)

429./529. Consumer Protection (3)

Prerequisites: Upper Division course in consumer affairs or consent of instructor. Concepts of consumer protection with analysis of a myriad of resources available for individuals and families with consumer problems. (Seminar 3 hours.)

430. Nutrition and Health (3)

Prerequisite: Upper-division standing. Intensive study of nutrition including evaluation of current trends in food and nutrition. Designed for students in health education, elementary and secondary education, social service and other elective students. Not open to family and consumer sciences majors. (Lecture-discussion 3 hours.)

432./532. Food Analysis (3)

Prerequisites: CHEM 327, FCS 332 or equivalent. Application of scientific methods of food analysis. Consideration of the manner in which such variables as ingredients, proportions, and techniques in food preparation affect the quality of products. Experimental laboratory problems. (Seminar 2 hours, Laboratory 3 hours.) Course fee may be required. Letter grade only (A-F).

433. Nutrition in the Life Cycle (3)

Prerequisite: FCS 132 or 331A or equivalent. Nutrition throughout the life cycle. Interaction of physical, biological, cultural and psychological factors involved in assessing and maintaining optimal nutritional health. Community nutrition programs introduced. (Lecture-discussion 3 hours.)

435./535. Food Processing, Preservation and Packaging (3)

Prerequisites: FCS 332 or consent of instructor. Methods and technological aspects in food processing, preservation and packaging. Application of principles and assessment of nutritional and physical qualities. Evaluation of chemical additives in food products. Microbiological aspects of food safety and food plant sanitation. (Lecture - discussion 2 hours, laboratory 3 hours.)

*436. Advanced Nutrition (3)

Prerequisites: FCS 331B, CHEM 448, 449 (may be taken concurrently). Metabolism of proteins, fats, carbohydrates, minerals and vitamins; interrelationship of nutrients; principles of determining nutritional requirements of individuals. (Lecture-discussion 3 hours.)

436L. Nutritional Status Assessment Techniques (3)

Prerequisites/Corequisites: FCS 436 and CHEM 449. Designed to provide training in nutrition assessment and nutrition counseling. Use of procedures for interviewing, counseling, and instructing patients/clients in various settings comparable to those encountered in dietetic practice. Includes laboratory methods for collection and interpretation of demographic, dietary anthropometrics, biochemical, and clinical data. Letter grade only (A-F). (Discussion 1 hour, Laboratory 3 hours, Clinical Practice 3 hours).

***438. Medical Nutrition Therapy (3)**

Prerequisites: FCS 436, 436L (may be taken concurrently). Therapeutic nutrition. Metabolic changes in specific pathological conditions; dietary modifications used for treatment. (Lecture-discussion 3 hours.)

***439. Nutrition and Aging (3)**

Prerequisites: FCS 132 or BIOL 207 or consent of instructor. Nutritional needs as related to physiological changes that occur during aging. Factors that influence food intake and nutritional status of the elderly. Diet adaptation for chronic diseases commonly found in older people. Same course as GERN *439. (Lecture-discussion 3 hours.)

450. Cultural Perspectives of Dress (3)

Prerequisites: Completion of the 13-unit G.E. Foundation requirements; ANTH 120 OR SOC 100 OR 142 and upper division standing or consent of instructor. Factors influencing design of textiles and apparel, techniques of textile and apparel production, and human behavior in the selection of dress in societies and cultural groups are studied. Emphasis on symbolism of textiles and clothing designs as a communicative device for expressing social and cultural values. Impact of other cultures on western dress and impact of western dress on other apparel systems is included. (Seminar 3 hours.)

***452. Apparel Draping (3)**

Prerequisites: FCS 353, 354 and 357, or consent of instructor. Exploration of the total design concept as it applies to fabric manipulation. (Discussion 2 hours, Laboratory 3 hours.) Letter grade only (A-F).

***453. Quality Control in Fashion Merchandising and Design (3)**

Prerequisites: FCS 353. The use of target market characteristics, textile testing and product development to assure quality in products. (Discussion 1 hour, Activity 4 hours.) Letter grade only (A-F).

***454. Experimental Apparel Design (3)**

Prerequisites: FCS 352, 452 and 453. Exploration of clothing design and production through the experimental process. Individual investigation of the creative design process; evaluation of equipment; experiences with a variety of fabrics and techniques. (Discussion 2 hours, Laboratory 3 hours.) Letter grade only (A-F).

***455. Global Perspectives in Fashion Merchandising (3)**

Prerequisites: FCS 351, 355, and MKTG 300, senior standing or consent of instructor. Application of merchandising concepts for the budgeting, buying, promoting, and selling of fashion goods and apparel in global retail organizations. Letter grade only (A-F). (Discussion 3 hours.)

456. Historic Perspectives of Fashion (3)

Prerequisites: FCS 251, 253, HIST 131 or AH 115B. Social, political, economic, geographic and religious forces that affect styles of fashion from antiquity to the present day. Emphasis is on the relationship of historic styles to current fashion. Primary focus is on the fashion influences of the western world. (Seminar 3 hours.) Letter grade only (A-F).

457. International Textiles and Apparel (3)

Prerequisites: ECON 100 and 101 or 300, FCS 353, senior standing, or consent of instructor. International, political and economic issues relevant to the textile and apparel industries. Emphasis on understanding international aspects of the textile and apparel industries in the United States. (Seminar 3 hours.)

***458. Fashion Product Development (3)**

Prerequisites: Six upper-division units in apparel design and merchandising or consent of instructor. The process of designing and engineering fashion products to be serviceable, producible, salable and profitable for various consumer market segments. (Discussion 3 hours.)

461. Community Nutrition (3)

Prerequisites: Upper-division standing, FCS 331B. Survey of nutrition programs in the community. Techniques of program planning, implementation, management and evaluation (Lecture-activity 3 hours.) Letter grade only (A-F).

464./564. Sensory Analysis of Foods (3)

Prerequisites: FCS 332, BIOL 260 or equivalent statistics; consent of instructor. Principles and methods of analysis of sensory attributes. Applications, advantages and limitations of sensory methods using trained judges and consumer panels. Computer use of statistical data analysis and plotting. Statistical analysis, data interpretation and comparison with previous literature. (Discussion 2 hours, Laboratory 3 hours.) Course fee may be required.

466./566. Biochemical and Hormonal Adaptations to Physical Activity (3)

Prerequisites: Upper-division undergraduate or Graduate standing; KPE 301 or equivalent; CHEM 111A or its equivalent. Consent of instructor required for upper-division undergraduate students prior to registration. Study of the biochemical and hormonal changes that occur as a result of acute and chronic physical activity. Emphasis will be placed on the application of concepts to the development of exercise training programs. Upper-division undergraduate students register in FCS 466; graduate students register in FCS 566. Letter grade only (A-F). Same course as KPE 466./566. (Seminar 3 hours.)

469. Food Production Development (1)

Prerequisites: FCS 332, 338, 432 and 435 or consent of instructor. Industrial concepts of food product development, formulation and technology. The course will focus on the principles of new product development, identification of ingredient replacements and improvements. Development of a prototype, ingredient interaction, and the functions of different applications of newly created product in consideration of cost analysis. Letter grade only (A-F).

473. Beverage Management (3)

Prerequisites: FCS 275 or 276 or consent of instructor, senior standing. Overview of the beverage industry. Identification, use, and service of wines and other alcoholic and non-alcoholic beverages, with an in-depth analysis of the various elements of beverage operations including purchasing, control, merchandising, and bar management. Field trips required. (Discussion 3 hours.)

474./574. Cost Control in Hospitality Foodservice and Hotel Management (3)

Prerequisites: FCS 375 or consent of instructor. Financial management, including control of food, labor, supplies, equipment and other operational costs; principles and procedures used for controlling purchasing, receiving, storing, and issuing of food, beverage, and supplies; factors affecting quality and customer satisfaction; inventory and security management; utilization of computers in cost control; and analysis of financial reports in the hospitality foodservice and hotel industry. (Lecture - discussion 3 hours.) Course fee may be required.

477./577. Foodservice Administration (3)

Prerequisites: FCS 375 or consent of instructor, senior standing. Principles of organization and administration in commercial and non-commercial foodservice operations are explored. Includes food purchasing, receiving, storage, inventory control, marketing, organizational management, human resource management, productivity, financial management, and quality management as they are applied to the foodservice industry. Field trips required. (Discussion 3 hours.)

486. Instructional Strategies for Family and Consumer Sciences Professionals (3)

Prerequisite: Senior Standing. Must be taken in one of the last two semesters prior to graduation. Utilize the principles and concepts of each area of Family and Consumer Sciences in developing and implementing a variety of learning experiences appropriate for providing instruction to individuals or groups in informal education, business, government agencies, or other community settings. Letter grade only (A-F). (Lecture-Discussion 2 hours, Laboratory 3 hours.)

*488. Developing Occupational Programs in Family and Consumer Sciences (3)

Prerequisite: EDSS 300H or teaching experience or consent of instructor. Utilizing knowledge and skills derived from the field of family and consumer sciences as a basis for offering occupational opportunities for youth and adults through planning programs in school and community. (Lecture-discussion 3 hours)

*490. Special Topics (1-3)

Group investigation of selected topics. Topics will be announced in the *Schedule of Classes*. May be repeated to a maximum of 9 units. (Seminar 1-3 hours.)

- A. European Fashion Study Tour
- B. New York Fashion Study Tour
- C. Los Angeles Fashion Study Tour

492A. Internship in Child Development and Family Studies (3)

Prerequisites: Student must be a Family and Consumer Sciences: Child Development and Family Studies major; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Child Development and Family Studies; and FCS 411, 413, and 414 or 415. Each prerequisite course must be completed with a grade of "C" or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator. Field experience of 120 hours in which the student assumes a pre-professional role in an agency, business or other community setting. Internship supervisors monitor and evaluate student work based on preestablished criteria stated in the internship contract. The preestablished criteria in the contract consists of objectives developed by the student in consultation with the supervisor. The objectives and the placement site must be approved by the student's faculty advisor and the internship coordinator. Students evaluate the internship at the end of the experience. May be repeated to a maximum of 6 units. (Seminar 3 hours.)

492B. Internship in Family Life Education (3)

Prerequisites: Student must be a major in Family and Consumer Sciences in the option of Child Development and Family Studies; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Child Development and Family Studies; and FCS 319, 412, and 413. Each prerequisite course must be completed with a grade of "C" or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator. Field experience of 120 hours in which the student assumes a pre-professional role in an agency, business or other community setting. Internship supervisors monitor and evaluate student work based on preestablished criteria stated in the internship contract. The preestablished criteria in the contract consist of objectives developed by the student in consultation with the supervisor. The objectives and the placement site must be approved by the student's faculty advisor and the internship coordinator. Students evaluate the internship at the end of the experience. May be repeated to a maximum of 6 units. (Seminar 3 hours.)

492C. Internship in Consumer Affairs (3)

Prerequisites: Student must be a Family and Consumer Sciences: Consumer Affairs major; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Consumer Affairs; and FCS 321, 226, 422, 425, 429, or consent of instructor. Each prerequisite course must be completed with a grade of "C" or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator. Field experience of 120 hours in which the student assumes a pre-professional role in an agency, business or other community setting. Internship supervisors monitor and evaluate student work based on preestablished criteria stated in the internship contract. The preestablished criteria in the contract consists of objectives developed by the student in consultation with the supervisor. The objectives and the placement site must be approved by the student's faculty advisor and the internship coordinator. Students evaluate the internship at the end of the experience. May be repeated to a maximum of 6 units. (Seminar 3 hours.)

492D. Internship in Family and Consumer Sciences Education (3)

Prerequisites: Student must be a Family and Consumer Sciences Education major; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a Family and Consumer Sciences Education faculty advisor. Each prerequisite course must be completed with a grade of "C" or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator. Field experience of 120 hours in which the student assumes a pre-professional role in an agency, business or other community setting. Internship supervisors monitor and evaluate student work based on preestablished criteria stated in the internship contract. The preestablished criteria in the contract consists of objectives developed by the student in consultation with the supervisor. The objectives and the placement site must be approved by the student's faculty advisor and the internship coordinator. Students evaluate the internship at the end of the experience. May be repeated to a maximum of 6 units. (Seminar 3 hours.)

492E. Internship in Fashion Merchandising (3)

Prerequisites: Student must be a major in Family and Consumer Sciences in the option of Fashion Merchandising; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; have approval of a faculty advisor in Fashion Merchandising and Design; consent of the instructor; and FCS 455 or 457. Each prerequisite course must be completed with a grade of "C" or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator. Field experience of 120 hours in which the student assumes a pre-professional role in an agency, business or other community setting. Internship supervisors monitor and evaluate student work based on preestablished criteria stated in the internship contract. The preestablished criteria in the contract consist of objectives developed by the student in consultation with the supervisor. The objectives and the placement site must be approved by the student's faculty advisor and the internship coordinator. Students evaluate the internship at the end of the experience. May be repeated to a maximum of 6 units. (Seminar 3 hours.)

492F. Internship in Food Science (3)

Prerequisites: Student must be a Family and Consumer Sciences: Food Science major; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Food Science; and FCS 331A and 332; FCS 432 is recommended. Each prerequisite course must be completed with a grade of "C" or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator. Field experience of 120 hours in which the student assumes a pre-professional role in an agency, business or other community setting. Internship supervisors monitor and evaluate student work based on preestablished criteria stated in the internship contract. The preestablished criteria in the contract consists of objectives developed by the student in consultation with the supervisor. The objectives and the placement site must be approved by the student's faculty advisor and the internship coordinator. Students evaluate the internship at the end of the experience. May be repeated to a maximum of 6 units. (Seminar 3 hours.)

492G. Internship in Gerontology (3)

Prerequisites: Student must be a Gerontology Certificate candidate; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of the Gerontology program director; and GERN 400I, ANTH 454, PSY 365 or HDEV 357I. Each prerequisite course must be completed with a grade of "C" or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator. Field experience of 120 hours in which the student assumes a pre-professional role in an agency, business or other community setting. Internship supervisors monitor and evaluate student work based on preestablished criteria stated in the internship contract. The preestablished criteria in the contract consists of objectives developed by the student in consultation with the supervisor. The objectives and the placement site must be approved by the student's faculty advisor and the internship coordinator. Students evaluate the internship at the end of the experience. May be repeated to a maximum of 6 units. Same as GERN 492G. (Seminar 3 hours.)

492J. Internship in Hospitality Foodservice and Hotel Management (3)

Prerequisites: Student must be a major or minor in Hospitality Foodservice and Hotel Management; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Hospitality Foodservice and Hotel Management; and FCS 275 or 276 or 372, and 800 hours of approved work experience. Each prerequisite course must be completed with a grade of "C" or better. Field experience of 120 hours in which the student assumes a pre-professional role in an agency, business or other community setting. Internship supervisors monitor and evaluate student work based on preestablished criteria stated in the internship contract. The preestablished criteria in the contract consist of objectives developed by the student in consultation with the supervisor. The objectives and the placement site must be approved by the student's faculty advisor and the internship coordinator. Students evaluate the internship at the end of the experience. May be repeated to a maximum of 6 units. (Seminar 3 hours.)

492K. Internship in Nutrition and Dietetics (3)

Prerequisites: Student must be a Family and Consumer Sciences: Nutrition and Dietetics major; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Nutrition and Dietetics; and FCS 275, 331B and 332. Each prerequisite course must be completed with a grade of "C" or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator. Field experience of 120 hours in which the student assumes a pre-professional role in an agency, business or other community setting. Internship supervisors monitor and evaluate student work based on preestablished criteria stated in the internship contract. The preestablished criteria in the contract consists of objectives developed by the student in consultation with the supervisor. The objectives and the placement site must be approved by the student's faculty advisor and the internship coordinator. Students evaluate the internship at the end of the experience. May be repeated to a maximum of 6 units. (Seminar 3 hours.)

492M. Internship in Apparel Design (3)

Prerequisites: Student must be a major in Family and Consumer Sciences in the option of Textiles and Clothing; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; have approval of a faculty advisor in Fashion Merchandising and Design; have consent of the instructor; and FCS 452 or 454. Each prerequisite course must be completed with a grade of "C" or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator. Field experience of 120 hours in which the student assumes a preprofessional role in an agency, business or other community setting. Internship supervisors monitor and evaluate student work based on preestablished criteria stated in the internship contract. The preestablished criteria in the contract consist of objectives developed by the student in consultation with the supervisor. The objectives and the placement site must be approved by the student's faculty advisor and the internship coordinator. Students evaluate the internship at the end of the experience. May be repeated to a maximum of 6 units. (Seminar 3 hours.) Letter grade only (A-F).

497. Directed Studies (1-3)

Prerequisites: Upper class standing, consent of instructor. Independent study under the supervision of a faculty member. Exploration and experience in areas which are not a part of any regular course. May be repeated to a maximum of 6 units.

499. Perspectives in Family and Consumer Sciences (2)

Prerequisites: FCS 299, 321, 12 units of upper division coursework in Family and Consumer Sciences completed prior to enrollment. Must be taken in one of the last two semesters prior to graduation. Analysis of contemporary issues, public policies and future directions of family and consumer sciences as a discipline of study and as a profession with integrated specializations will be undertaken. A culminating outreach project is developed to emphasize the contribution of each specialization to the quality of life for individuals and families in an urban setting. (Lecture-discussion 2 hours.)

Graduate Level

502./402. Child and Family Law (3)

Prerequisites: FCS 312I and upper division standing. Establishment, conduct, and termination of family relationships as well as the rights and duties of parties to non-marital family relationships will be examined. Topics include, the "Best Interest of the Child Rule," artificial insemination, property rights, adoption, child custody, domestic violence, support of children, spousal support, genetic testing, new trends in family law, and paternity. Letter grade only (A-F). (Lecture-discussion 3 hours.)

511. Family Theories (3)

Prerequisite: FCS 412 or 413 or consent of instructor. Theoretical approaches to the study of the family; analysis of the process of interaction between the individual, the family and society with emphasis on current issues. (Seminar 3 hours.)

515. Perspectives in Human Development (3)

Prerequisite: FCS 411 or consent of instructor. Theory, trends and research toward maximum development of human potential as it applies to children in the family and community. (Seminar 3 hours.) Letter grade only (A-F).

520./420. Personal Finance for the Aging (3)

Prerequisites: 400-level course in Consumer Affairs or consent of instructor. Provides an understanding of the operations of personal finance as applied to the aging population. Topics include public and private sources of income, living expense, public and private sources of assistance, personal budget systems, financial planning, legal rights of the aged affecting their personal finances, and financial counseling for the aging. Letter grade only (A-F). Same course as GERN 520/420. (Lecture-discussion 3 hours.)

529./429. Consumer Protection (3)

Prerequisites: Upper Division course in consumer affairs or consent of instructor. Concepts of consumer protection with analysis of a myriad of resources available for individuals and families with consumer problems. Letter grade only (A-F). (Seminar 3 hours.)

530A. Carbohydrates, Lipids and Proteins (3)

Prerequisites: FCS 436, 436L, BIOL 260. Nutritional, metabolic and clinical aspects of carbohydrates, lipids and proteins. Current knowledge of interactions between macronutrients and assessment of needs. Letter grade only (A-F). (Seminar 3 hours.)

530B. Vitamins and Minerals (3)

Prerequisites: FCS 436, 436L, BIOL 260. Nutritional, metabolic and clinical aspects of vitamins and minerals. Current knowledge of interactions between micro- and macro-nutrients. Principles of nutritional status assessment and determination of needs. Letter grade only (A-F). (Seminar 3 hours.)

531. Advanced Community Nutrition (3)

Prerequisites: FCS 436 and 436L or 562; 461. Program planning and evaluation with emphasis on major nutrition-related public health problems. Students develop protocols for nutrition questionnaires, define a study sample and collect data. Skill development involves data analyses on computerized statistical packages, verbal and written communications. (Lecture-discussion 3 hours.) Letter grade only (A-F).

532./432. Food Analysis (3)

Prerequisites: CHEM. 327, FCS 332 or equivalent. Application of scientific methods of food analysis. Consideration of the manner in which such variables as ingredients, proportions, and techniques in food preparation affect the quality of products. Experimental laboratory problems. (Seminar 2 hours, Laboratory 3 hours.) Course fee may be required. Letter grade only (A-F).

533. Recent Advances in Food Science (3)

Prerequisites: FCS 432 or consent of instructor. New developments in food processing, techniques of food preservation and, chemical additives. Food and water sanitation. Methods of standardization, preservation, and evaluation of quality. Retention of nutritive value, flavor, appearance, and safety of foods. (Seminar 3 hours.) Letter grade only (A-F).

535./435. Food Processing, Preservation and Packaging (3)

Prerequisites: FCS 332 or consent of instructor. Methods and technological aspects in food processing, preservation and packaging. Application of principles and assessment of nutritional and physical qualities. Evaluation of chemical additives in food products. Microbiological aspects of food safety and food plant sanitation. (Lecture-discussion 2 hours, Laboratory 3 hours.)

550. Cultural Bases of Textile and Apparel Design (3)

Prerequisites: FCS 353, 450, 456, 457 or equivalents or consent of instructor. Factors influencing design and techniques of textile and apparel production in societies that create and use them. Symbolism of indigenous and adapted textile and clothing designs as a communicative device for expressing social and cultural values. May be repeated to a maximum of 6 units with assignments of increasing levels of difficulty. (Seminar 3 hours.) Letter grade only (A-F).

559. Dress and Interpersonal Behavior (3)

Prerequisites: Admission to the Fashion Merchandising and Design emphasis in the Family and Consumer Sciences graduate program or consent of instructor. Theories and methods of studying dress and interpersonal behavior. Theories and their relativity to dress include: social cognition, personal perception, self perception, attitudes and attitude changes, prejudice, interpersonal attraction, helping and hurting others, and social construction of gender. (Seminar 3 hours.) Letter grade only (A-F).

561. Curriculum Development in Family and Consumer Sciences (3)

Prerequisite: Field experience in Home Economics, Family and Consumer Sciences or a related area. Current philosophies and principles basic in the analysis and organization of curricular programs and materials. (Seminar 3 hours.) Letter grade only (A-F).

562. Contemporary Issues in Nutrition (3)

Prerequisite: FCS 436 or consent of instructor. Analysis of recent developments and current research in human nutrition. Topics include: nutrition through the life cycle; diet and dental health, athletic performance, human behavior, obesity, cancer; vegetarianism; practical application of scientific knowledge to diet management. (Seminar 3 hours.) Letter grade only (A-F).

563. Evaluation in Family and Consumer Sciences and Gerontology (3)

Prerequisites: Upper division or graduate course in statistics; FCS 696 (may be taken concurrently) or equivalent. Principles, design, and methods of program evaluation for use by Family and Consumer Sciences and Gerontology professionals. Selection and development of instrumentation for data collection and interpretation and methods of reporting. Letter grade only (A-F). (Seminar 3 hours). Same course as GERN 563.

564./464. Sensory Analysis of Foods (3)

Prerequisites: FCS 332, BIOL 260 or equivalent statistics; consent of instructor. Principles and methods of analysis of sensory attributes. Applications, advantages and limitations of sensory methods using trained judges and consumer panels. Computer use of statistical data analysis and plotting. Statistical analysis, data interpretation and comparison with previous literature. (Discussion 2 hours, Laboratory 3 hours.) Course fee may be required.

566./466. Biochemical and Hormonal Adaptations to Physical Activity (3)

Prerequisites: Upper-division undergraduate or Graduate standing; KPE 301 or equivalent; CHEM 111A or its equivalent. Consent of instructor required for upper-division undergraduate students prior to registration. Study of the biochemical and hormonal changes that occur as a result of acute and chronic physical activity. Emphasis will be placed on the application of concepts to the development of exercise training programs. Upper-division undergraduate students register in FCS 466; graduate students register in FCS 566. Letter grade only (A-F). Same course as KPE 566./466. (Seminar 3 hours.)

573. Current Topics in Hospitality Foodservice and Hotel Management (3)

Prerequisite: Graduate standing. A review and evaluation of recent developments and current issues in hospitality foodservice and hotel management. Topics related to operations management, customer service, human resource management, and strategic planning in the foodservice and lodging industries are examined. (Seminar, 3 hours.) Letter grade only (A-F).

574./474. Cost Control in Hospitality Food Service and Hotel Management (3)

Prerequisites: FCS 375 or consent of instructor. Financial management, including control of food, labor, supplies, equipment and other operational costs; principles and procedures used for controlling purchasing, receiving, storing, and issuing of food, beverage, and supplies; factors affecting quality and customer satisfaction; inventory and security management; utilization of computers in cost control; and analysis of financial reports in the hospitality food service and hotel industry. (Lecture - discussion 3 hours.) Course fee may be required.

577./477. Foodservice Administration (3)

Prerequisites: FCS 375 or consent of instructor, senior standing. Principles of organization and administration in commercial and non-commercial foodservice operations are explored. Includes food purchasing, receiving, storage, inventory control, marketing, organizational management, human resource management, productivity, financial management, and quality management as they are applied to the foodservice industry. Field trips required. Letter grade only (A-F). (Discussion 3 hours.)

591A. Professional Practicum in Dietetics (11)

Prerequisite: Admission to the American Dietetic Association (ADA) Dietetic Internship (DI) and consent of instructor. Supervised on-site practicum in selected field settings preparing the student to meet performance requirements to qualify for the dietetic registration examination. A total of 22 units of FCS 591A are required to complete the DI, with the maximum of 11 units per semester. Partial application toward the MS degree in Nutritional Science. May be repeated to a maximum of 22 units. Credit/No Credit grading only.

591B. Seminar in Dietetic Practice (1)

Concurrent enrollment in FCS 591A. Oral and written presentations, critical review of case studies and practices in the American Dietetic Association (ADA) Dietetic Internship (DI) field experience, FCS 591A Professional Practicum in Dietetics. A maximum of 2 units applicable to the M.S. degree in Nutritional Science. Letter grade only (A-F). May be repeated to a maximum of 2 units. (Seminar 1 hour.)

592. Internship in Family and Consumer Sciences/ Gerontology (3)

Prerequisites: Graduate standing and consent of instructor. Field experience in which student assumes a self directed responsible role in an agency, business or other community setting. May be repeated to a maximum of 6 units. Same course as GERN 592. (Seminar 3 hours.)

597. Independent Study (1-3)

Prerequisites: FCS 400 level course in area of study. Varied learning activities utilized to achieve competency related to family and consumer sciences not offered in regular course. Written report required. (Projects.)

605. Seminar in Administration of Family and Consumer Sciences/Gerontology Programs (3)

Prerequisites: FCS 696 or GERN 696 or consent of instructor. Application of administration, management and leadership theories to family and consumer sciences/gerontology programs. Concepts include structure of organizations, leadership styles, management techniques, methods of analyzing and evaluating business systems, management philosophies and performance evaluation procedures. Activities and assignments focus on organization theory, planning, decision making and control techniques, in relation to leadership and management skills needed for success as a family and consumer sciences/gerontology administrator. Same course as GERN 600. (Seminar 3 hours.)

615A. Seminar in Child Development (3)

Prerequisites: FCS 511 or 515, 696 or consent of instructor. Area of study will be announced in the *Schedule of Classes*. (Seminar 3 hours.) Letter grade only (A-F).

635. Seminar in Food Science, Nutrition and Foodservice Systems Management (2)

Prerequisite: Graduate standing. Presentation and description of advanced work in special fields of food science, nutrition therapy, foodservice systems management. Letter grade only (A-F). (Seminar 2 hours.)

636. Nutrition and the Media (3)

Prerequisites: Graduate standing, FCS 331A or equivalent. Students learn the basic skills for analyzing and communicating sound nutrition messages. Projects involve program planning to address major nutrition-related public health problems with community-based nutrition interventions using the media. Students translate nutrition research into messages to educate the public. (Lecture-activity 3 hours.) Letter grade only (A-F).

655A. Literature Review and Research in Family and Consumer Sciences (3)

Prerequisites: ED P 419. Critical analyses of the current professional literature, theory, practice and research. The research process including conceptualization of the problem, literature search and review. The legal and ethical aspects of research are stressed. (Seminar 3 hours) Letter grade only (A-F).

655B. Apparel Product Development (3)

Prerequisites: ED P 419, FCS 655A and 696. An introduction to the research and strategies needed to develop apparel products and services for culturally diverse consumer markets. (Seminar 3 hours.)

692. Directed Project (1-4)

Prerequisite: FCS 697. Students will acquire experiential skills at a potential employment setting such as a government agency, clinical/research institution or an industry site. The student will work directly under the guidance of an approved supervisor/preceptor at the site in conjunction with a faculty advisor. The student's practical experience will be directed toward identifying and solving problems or conducting research or designing, implementing, and assessing programs or recommending potential courses of action. Letter grade only (A-F).

696. Research Methods (3)

Prerequisite: Upper-division course in statistics. Methodological approaches to contemporary research issues in Family and Consumer Sciences. This course focuses on the design, development, and implementation of research projects. The course encompasses the tools and techniques of research and their application in the development of a formal research design. Topics covered include the scientific method, design and testing, qualitative and quantitative methods, survey research, data collection and analysis, research reporting and presentation. Required of all master's degree candidates in Family and Consumer Sciences and Gerontology. Letter grade only (A-F). (Seminar 3 hours). Same course as GERN 696.

697. Directed Research (3)

Prerequisites: Advancement to candidacy. Student works under direct faculty supervision to complete a proposal for the thesis or directed project (thesis). Letter grade only (A-F).

698. Thesis (1-4)

Prerequisites: Advancement to candidacy, approval of department graduate committee. Planning, preparation and completion of a thesis related to the family and consumer sciences field. (Thesis.)

