

Department of Human Sciences

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Ellington Human Sciences 100

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The programs offered by the Department of Human Sciences are accredited by the American Association of Family and Consumer Sciences and provide a broad liberal education along with a specialty to prepare students for a wide spectrum of professions. Career opportunities in human sciences include positions in social agencies, government agencies, community services, business, industry, health services, research laboratories, design, merchandising, teaching, and day care.

Programs leading to the Bachelor of Science degree are offered in five majors: Family and Consumer Studies with concentrations in Consumer Services, Family and Consumer Sciences Education, and Child Development and Family Studies; Interior Design; Nutrition and Food Science with concentrations in Dietetics and Food Technology; Textiles, Merchandising, and Design with concentrations in Apparel Design and Fashion Merchandising; and Early Childhood Education which licenses students to teach grades pre-kindergarten through fourth. Students who wish to major in Early Childhood Education but not pursue licensure may contact the Early Childhood Education coordinator to develop an appropriate program of study. The department also offers minors in Human Sciences, Nutrition and Food Science, and Textiles, Merchandising, and Design.

It is an institutional requirement that degree-seeking students complete the General Studies requirements. Consultation with the assigned advisor is necessary before each registration.

In all curricular listings, (Area __) refers to the General Studies requirements as outlined on pages 59-61.

Major in Family and Consumer Studies

The curriculum leading to a major in Family and Consumer Studies is designed primarily for preparation in broad areas of the field. Electives may be used to build strong combinations with other fields of interest. A major in Family and Consumer Studies requires the selection of one concentration from the three available plus one minor outside the field of human sciences.

Concentration: Consumer Services

Career opportunities in the consumer service field include working with businesses, industries, government agencies, and consumer protection agencies in the areas of consumer affairs; consumer information dissemination; product development, testing, and promotion; consumer protection; public relations; and communications.

Required courses include H SC 1010, 1610, 3020, 3430, 4000, 4102, 4410, 4420, 4430, 4450; N FS 1240, 3200, 3210; TXMD 3100; CDFS 3320, 3330, 3340; IDES 4620; 3 hours human sciences elective; CSCI 1150 or INFS 2200; COMM 2150 or BMOM 3510; MKT 3910 or BLAW 3400 or 3450; an approved minor; General Studies requirements.

Recommended Curriculum

FRESHMAN		SOPHOMORE	
English (Area I-A)	6	English (Area II-A)	6
Natural Science (Area IV-A)	8	History (Area III-A)	3
History (Area III-A)	3	Gen. Studies (Area I-B)*	3
PHED (Area V)	2	Gen. Studies (Area II-B)	3
Gen. Studies (Area III-B)*	3	CSCI 1150	3
H SC 1010, 1610; N FS 1240;		Mathematics (Area IV-B)	3
CDFS 3340	10	Human Sciences elective	3
	32	PHED (Area V)	2
		H SC 3020; N FS 3200;	
		CDFS 3320	8
			34

JUNIOR

COMM 2150 or BMOM 3510	3	H SC 4102, 4430, 4450;	
H SC 3430, 4000, 4410, 4420;		TXMD 3100	15
N FS 3210; IDES 4620;		Minor	12
CDFS 3330	19	Electives	6
Minor	6		33
MKT 3910 or BLAW 3400 or			
3450	3		
Elective	3		
	34		

*Selection of courses depends on minor chosen

Concentration: Family and Consumer Sciences Education

The curriculum for the concentration in Family and Consumer Sciences Education offers preparation for students to teach family and consumer sciences education in grades 5-12. Licensure to teach family and consumer sciences requires a bachelor's degree in family and consumer sciences from an institution approved for the training of teachers in consumer and homemaking education and occupational home economics. Those who successfully complete the program are qualified to teach in vocationally reimbursed family and consumer sciences programs as well as non-reimbursed programs. This curriculum also offers preparation for extension service, business, consumer services, and government agencies.

Required courses include ART 1030 and MUS 1030 in the General Studies requirements; H SC 1010, 1610, 3020, 3430, 4000, 4410, 4420; N FS 1240, 3200, 3210; CDFS 3320, 3340, 4340, 4350; FCSE 2510, 3510; TXMD 3100, 3190; IDES 4620. Students must complete a minor in Secondary Education. Occupational endorsements may be added but are not a required part of the major.

Recommended Curriculum

FRESHMAN		SOPHOMORE	
English (Area I-A)	6	English (Area II-A)	6
Natural Science (Area IV-A)	8	Gen. Studies (Area III-B)	3
PHED (Area V)	2	Gen. Studies (Area II-B)	3
FOED 1110	3	Gen. Studies (Area IV-B)	6
H SC 1010, 1610; CDFS 3320;		PHED (Area V)	2
N FS 1240; FCSE 2510	13	History (Area III-A)	6
CSCI 1000 or equivalent	1	Major	6
	33	FOED 2110	3
			35

JUNIOR

COMM 2200 or 4000	3	SPED 3010	3
FCSE 3510	3	YOED 4000	3
YOED 3050	3	Major	12
SPSE 3220	3	Student Teaching	12
Major	22		30
	34		

Concentration: Child Development and Family Studies

Completion of this program leads to career opportunities with family life education, social service agencies, day care programs (care giving and administration), and senior citizen services; in business as consultants, medical settings as care givers, certified nurses' assistant (CNAs) and/or child life specialists, and as advocates for children and families.

Required courses include H SC 1010, 1610, 3020, 4000, 4101, 4410; CDFS 2350, 3310, 3320, 3330, 3390, 4140, 4300*, 4310, 4340, 4350, 4360 or 3300, 4370, 4380*, 4390, 4391; N FS 1240; required related subjects SOC 3060 or PSY 4470; PSY 4600; 4 hours electives; an approved minor; General Studies requirements.

*NOTE: Students **must** take one practicum (CDFS 4300 or 4380 or 4391) or they may choose to take two. If only one practicum is taken, an alternate course is chosen from H SC 4430, N FS 4210, 4250.

Recommended Curriculum

FRESHMAN		SOPHOMORE	
English (Area I-A)	6	English (Area II-A)	6
Natural Science (Area IV-A)	8	History (Area III-A)	6
PHED (Area V)	2	PSY 4600	3
Gen. Studies (Area I-B)	3	PHED (Area V)	2
PSY 1410 (Area III-B)	3	Mathematics (Area IV-B)	3
H SC 1010, 1610; N FS 1240;		CDFS 3310, 3320, 3330	9
CDFS 2350	10	Gen. Studies (Area II-B)	3
CSCI 1000 or equivalent	1	Elective	3
	33		35

JUNIOR

H SC 3020, 4000; CDFS 3390,		H SC 4101, 4410;	
4140, 4310, 4340, 4350,		CDFS 4300 or 4380, 4390	15
4360 or 3300, 4370;		SOC 3060 or PSY 4470	3
CDFS 4391, 4380		Minor	12
or H SC 4430 or			30
N FS 4210 or 4250	28-29		
Minor	6		
Electives	1		
	35-36		

Major in Textiles, Merchandising, and Design

The major in Textiles, Merchandising, and Design leads to entry-level career opportunities in fashion-related industries and requires the selection of one concentration from the two available: Apparel Design and Fashion Merchandising.

Concentration: Apparel Design

The B.S. degree with a concentration in Apparel Design allows the student to prepare for entry-level positions in the growing area of design, pattern making, and manufacturing. In addition to the major and concentration, minors in Human Sciences and either Art or Theatrical Design are required.

Required courses include H SC 1010, 1610, 3020; TXMD 3000, 3070, 3100, 3120, 3130, 3140, 3150, 3170, 3180, 3190, 4110, 4120, 4130, and one course from either TXMD 3160, 4160, 4170; H SC 4000, 4043, 4410; N FS 1240; CDFS 3320; CDFS 3330, 3340, or 4340. Additional requirements include MATH 2130; ETIS 1310; ART 1910 or 1030; CSCI 1000; Art or Theatrical Design minor; General Studies requirements.

Recommended Curriculum

FRESHMAN		SOPHOMORE	
English (Area I-A)	6	English (Area II-A)	6
Natural Science (Area IV-A)	8	History (Area III-A)	6
PHED (Area V)	2	CSCI 1000	1
Gen. Studies (Area III-B)	3	PHED (Area V)	2
H SC 1010, 1610	4	H SC 3020	3
TXMD 3130, 3190	6	TXMD 3070, 3100, 3150	9
Art or Theatrical Design minor	3	ETIS 1310	4
	32	Art or Theatrical Design minor	6
			37

JUNIOR		SENIOR	
Gen. Studies (Area I-B)	3	TXMD 4120, 4130	6
Gen. Studies (Area II-B)	3	H SC 4000, 4410	4
ART 1910 or 1030	3	TXMD 4160	3
MATH 2130 (Area IV-B)	3	CDFS 3320	3
N FS 1240	3	CDFS 3330 or 3340 or 4340	3
TXMD 3000, 3120, 3140, 3180, 4110	15	TXMD 3160 or 4170 or H SC 4043	3
Art or Theatrical Design minor	3	Electives	1-4
	33	Art or Theatrical Design minor	6
			29-32

Concentration: Fashion Merchandising

The B.S. degree with a concentration in Fashion Merchandising allows the student to prepare for professional positions in fashion retailing, buying, entrepreneurship, wholesaling, fashion promotion, and coordination. In addition to the major and concentration, two minors are required: a minor in Human Sciences and in one of the following areas: Business Administration, Management, Marketing, Mass Communication, or Entrepreneurship.

Required courses include H SC 1010, 1610, 3020; TXMD 3070, 3100, 3130, 3160, 3170, 3150 or 3190, 4130, 4150, 4170; H SC 4103 or 6 hours from TXMD 3120, 3140, 4110, 4120, or H SC 4043; H SC 4000, 4410, 4430; IDES 4620;

N FS 1240; CDFS 3320; CDFS 3330, 3340, or 4340. Additional requirements include ACTG 1110 or 2110 or 3000, ART 1030 or 1910, MATH 2130, and CSCI 1150; approved minor; General Studies requirements.

Recommended Curriculum

FRESHMAN		SOPHOMORE	
English (Area I-A)	6	English (Area II-A)	6
Natural Science (Area IV-A)	8	History (Area III-A)	6
PHED (Area V)	2	MATH 2130; CSCI 1150 (Area IV-B)	6
Gen. Studies (Area I-B)	3	ART 1910 or 1030	3
Gen. Studies (Area III-B)	3	H SC 3020	3
Gen. Studies (Area II-B)	3	TXMD 3100; 3150 or 3190	6
H SC 1010, 1610; TXMD 3130	7	CDFS 3320	3
	32	PHED (Area V)	2
			35

JUNIOR		SENIOR	
ACTG 1110 or 2110 or 3000	3	TXMD 3160, 4130, 4150	9
H SC 4410, 4430	6	H SC 4000	1
IDES 4620	3	H SC 4103 or 6 hours from TXMD 3000, 3140, 3180, 4110, 4120, or H SC 4043	6
N FS 1240	3	Minor	9
TXMD 3070, 3170, 4170	7	Electives	6
CDFS 3330, 3340, or 4340	3		31
Minor	9		
	34		

Minor in Textiles, Merchandising, and Design

A minor in Textiles, Merchandising, and Design is offered with an option in either fashion merchandising or apparel design. Both options require H SC 1610, TXMD 3100 and 3130. In addition students interested in fashion merchandising are required to take TXMD 3150, 3160, and 4150. Students selecting apparel design are required to take TXMD 3140 and 3190 and select one course from TXMD 3120, 3150, 4110, or 4120.

Major in Nutrition and Food Science

Concentration: Dietetics

The Nutrition and Food Science program, Dietetics concentration, is currently granted approval status by the Commission on Accreditation for Dietetics Education of the American Dietetic Association, 216 W. Jackson Blvd., Chicago, IL 60606-6995, (312) 899-4876. The program offers preparation for careers in dietetics as nutritionists, clinical or management dietitians, and dietitians in private practice as consultants. After completing the degree, students receive a verification statement that requirements have been met and may choose a qualifying experience program to complete requirements for taking the national exam to become registered dietitians (R.D.) and licensed dietitians/nutritionists (L.D.N.). Students with degrees in other areas who choose to complete the DPD must take a minimum of 15 hours in nutrition and food science courses at MTSU to include N FS 4200 and 4290. The major in Nutrition and Food Science also offers preparation for careers in community services and positions in business, state, and federal health departments; in food systems management; and in the food industry.

Students who do not plan to pursue a dietetic internship may elect to substitute other courses for N FS 4290 and 4800 with the advice of the academic advisor. Students who elect this substitution will not receive verification statements.

Requirements for the major in Nutrition and Food Science, Dietetics concentration, includes H SC 1010, 1610, 3020, 4000, 4410; N FS 2220, 3200, 3260, 3280, 4200, 4210, 4220, 4240, 4250, 4260, 4270, 4280, 4290, 4800; CDFS 3320 and H SC 4430. Related courses include PSY 3320 or CDFS 3330; MATH 1530; CSCI 1150; SOC 1010; ACTG 1110 or 3000; and a Science minor to include CHEM 1010, 1011, 1020, 1021, 2030, 3530, and BIOL 2230, 3130, and 3140; General Studies requirements.

Recommended Curriculum

FRESHMAN		SOPHOMORE	
English (Area I-A)	6	English (Area II-A)	6
CHEM 1010, 1011, 1020, 1021 (Area IV-A)	8	History (Area III-A)	6
PHED (Area V)	2	PHED	2
H SC 1010, 1610	4	BIOL 2010, 2020	8
N FS 2220	3	Gen. Studies (Area I-B)	3
SOC 1010 (Area III-B)	3	N FS 3200, 3260, 3280	9
Gen. Studies (Area II-B)	2		34
Elective	2		
	30		
JUNIOR		SENIOR	
CSCI 1150	3	CDFS 3330 or PSY 3320	3
MATH 1530 (Area IV-B)	3	ACTG 1110 or 3000	3
CHEM 2030, 3530	8	BIOL 2230	4
H SC 4410	3	H SC 3020, 4000, 4430	7
N FS 4200, 4260, 4270, 4280, 4800	13	N FS 4210, 4220, 4240, 4250, 4290	18
CDFS 3320	3		35
	33		

Concentration: Food Technology

The major in Nutrition and Food Science, Food Technology concentration offers preparation for career opportunities in the foods-related industry in jobs such as food processing, food marketing, quality control, and food systems management.

Requirements for the major in Nutrition and Food Science, Food Technology concentration and required minor in Human Sciences include N FS 2220, 3200, 3260, 3280, 4220, 4240, 4260, 4270, 4280; ABAS 4810, 4820, 4830; BIOL 2230; CHEM 1010, 1011, 1020, 1021, 2030; H SC 1010, 1610, 3020, 4000, 4410, 4430; CDFS 3320; CSCI 1000; six hours to be chosen from H SC 4105, 4450; ABAS 3810, 4100, 3490, 4200; BIOL 4510; or MKT 3820. General Studies requirements. A second minor of 18 hours is chosen with the academic advisor from the suggested areas of Agribusiness, Journalism, or Management and Marketing.

Recommended Curriculum

FRESHMAN		SOPHOMORE	
English (Area I-A)	6	English (Area II-A)	6
Gen. Studies (Area I-B)	3	HIST 2010, 2020 (Area III-A)	6
Gen. Studies (Area II-B)	3	PHED	2
BIOL 1030 (Area IV-A)	4	N FS 3200, 3260, 3280	9
PHED (Area V)	2	CDFS 3320	3
CSCI 1000	1	CHEM 1020, 1021 (Area IV-A)	4
N FS 2220	3	Minor	3
H SC 1010, 1610	4		33
Gen. Studies (Area III-B)	3		
CHEM 1010, 1011 (Area IV-A)	4		
	33		
JUNIOR		SENIOR	
ABAS 4810, 4820, 4830	9	H SC 4410, 4000	4
N FS 4260, 4220, 4280	9	MATH 1010 or 1530 (Area IV-B)	3
BIOL 2230	4	N FS 4240, 4270	6
H SC 3020, 4430	6	Minor	12
Minor	3	Elective	7
CHEM 2030	4		32
	35		

Minor in Nutrition and Food Science

The minor in Nutrition and Food Science requires 18 semester hours to include N FS 1240, 3200, and 12 hours to be chosen from N FS 3210, 3260, 3280, 4200, 4210, 4220, 4240, 4250, 4260, 4270, and 4280. Required prerequisites must be met for all courses.

Major in Interior Design

The Interior Design curriculum meets the requirements for allied membership in the American Society of Interior Designers and affiliate membership in the International Interior Design Association. Accredited by the Foundation for Interior Design Education Research, the professional level B.S. degree offers preparation for entry-level positions in residential and contract design firms, sales, design consulting, computer-aided design, and other related design areas. The program, with a major in Interior Design, a minor in Human Sciences, and a professional core in art and business, includes the following courses: H SC 1010, 3020, 4410; H SC 4430 or CDFS 3330; IDES 2700, 2710, 3600, 3700, 3710, 3720, 3730, 3740, 3750, 3760, 4700, 4710, 4730, 4740, 4750, 4760, 4770, 4780, 4790; N FS 1240; CDFS 3320 or 3340; TXMD 3100; MKT 3820, 3840; INFS 2200; and 3 hours from ACTG 1110, MGMT 3610, BLAW 3400; ART 1620, 1910, 1920, and 3 hours from ART 1640, 1930, 2130, 2510, 3550, 4900, or PHOT 2050; General Studies requirements.

Interior design majors must earn a grade of C or higher in all IDES courses. Students earning a D or F will be required to repeat the course before being allowed to advance in the program.

Students are strongly encouraged to participate in the internship or co-op programs.

Recommended Curriculum

FRESHMAN		SOPHOMORE	
English (Area I-A)	6	English (Area II-A)	3
Natural Science (Area IV-A)	4	H SC 3020;	
H SC 1010; IDES 2700, 2710,		IDES 3700, 3710, 3720,	
3600; N FS 1240	14	3730, 3750, 3760,	
INFS 2200	3	4700, 4710	27
PHED (Area V)	1	PHED (Area V)	1
ART 1620	3		31
	31		

Must pass Portfolio Review before entering junior-level design studios

SUMMER

History (Area III-A)	6
Natural Science (Area IV)	4
Gen. Studies (Area III-B)	3
MKT 3820	3
	16

JUNIOR

English (Area II-A)	3	SENIOR	
Mathematics (Area IV-B)	3	IDES 4760, 4770, 4780	9
CDFS 3330 or H SC 4430	3	H SC 4410	3
TXMD 3100	3	MKT 3840	3
IDES 3740, 4730, 4740		Gen. Studies (Area I-B)	3
4750, 4790	15	Business elective	3
ART 1910	3	Art elective	3
PHED (Area V)	1	PHED (Area V)	1
	31	ART 1920 (Area II-B)	3
		CDFS 3320	3
			31

Major in Early Childhood Education

The major in Early Childhood Education is offered by the Department of Human Sciences. The curriculum for the major in Early Childhood Education is designed to prepare teachers in the area of early childhood education and to meet the Tennessee requirements for licensure to teach pre-kindergarten, kindergarten, and first through fourth grades. Emphasis is placed on the development of the young child within the context of the family and on integrating developmentally appropriate practice within educational settings.*

1. FOED 1110, 2110;
2. ELED 3050, 3150, 3300, 4010, 4020, 4110;
3. H SC 1010, 1610, 4000; N FS 1240, 4250; CDFS 2350, 3310, 3320, 4300, 4320, 4330, 4350, 4360, 4370, 4380;
4. 9 hours of communications of ideas including ENGL 1010 and 1020, COMM 2200 or 4000;
5. 10 hours of health and physical education including PHED 2100 and 4370, PHED 3500, and 2 activity courses;
6. 16 hours of humanities and fine arts including ART 2230, MUED 4670, ENGL 2030, 2130 or 2330 or ENGL 3600 or LIBS 4150 or HUM 2610;
7. 9 hours of social and behavioral science to include HIST 2010, 2020, GEOG 2000;
8. 14 hours of natural science and mathematics to include BIOL 1030, PSCI 1030, or GEOL 1030; MATH 1410, 1420;
9. SPED 3010.

*A grade of C or higher is required for all CDFS courses.

Special comments:

1. Practica should be taken in this order: CDFS 4380, 4300, 4330; ELED 4110.
2. Method courses should be completed in the junior year: ELED 3150, 4010, 4020.
3. Students interested in a program in Early Childhood that does not lead to licensure should contact an advisor for planning appropriate course substitutions.

Recommended Curriculum

FRESHMAN		SOPHOMORE	
English (Area I-A)	6	English (Area II-A)	6
BIOL 1030; GEOL 1030 or		History (Area III-A)	6
PSCI 1030 (Area IV-A)	8	FOED 2110	3
MATH 1410 (Area IV-B)	3	MATH 1420 (Area IV-B)	3
FOED 1110	3	GEOG 2000 (Area III-B)	3
ART 2230	3	COMM 2200 or	
H SC 1010, 1610; CDFS 2350;		or 4000 (Area I-B)	3
N FS 1240	10	CDFS 3310, 3320, 4320,	
PHED (Area V)	2	4370	12
	35		36

JUNIOR

SPED 3010	3	SENIOR	
ELED 3050, 3150, 3330,		ELED 4020	3
4010	12	N FS 4250	3
H SC 4000; CDFS 4380,		HLTH 4370	2
4300, 4350	10	CDFS 4330, 4360	6
PHED 3500	4	LIBS 4150 or ENGL 3600	3
MUS 4670 (Area II-B)	4	ELED 4110 (Stu. Teaching)	12
HLTH 3100	2		29
	35		

Minor in Human Sciences

The minor in Human Sciences consists of a minimum of 18 semester hours of courses offered by the Department of Human Sciences elected to meet the concentration needs of the student.



Courses in Human Sciences [H SC]

General

1010 (101) Career Orientation. One credit. Development and scope of human sciences as a profession, its wide variety of career opportunities, with analysis of interests, aptitudes, proficiency, and education related to success in these areas. Two hours per week until mid-term.

1610 (161) Basic Design. Three credits. Experience in two-dimensional design. Analysis, experiments, and application of the elements and principles of design as they relate to the immediate environment. **Not accepted for credit toward Interior Design major.** Four hours per week.

3020 (302) Presentation Techniques. Three credits. Principles and techniques of effective presentations and demonstrations. Opportunities for experience in presenting demonstrations to the public through mass media. Three hours per week.

3430 (343) Housing. Three credits. Evaluation of housing and equipment in terms of family needs, economics, building codes, legislation, and technological developments. Housing alternatives presented and analyzed with emphasis on socio-psychological satisfaction with the residence. Offered once a year.

4000 (400) Senior Seminar. One credit. Prerequisites: H SC 1010 and junior standing. Review of philosophy and professional ethics of human sciences. Preparation of reference files, letters, and resume. One hour per week.

4041-4044 Seminar in Human Sciences. Prerequisite: Permission of department chair. Individual research and/or analysis of contemporary problems and issues in a concentrated area of study. For advanced students.

4041 (404A) Human Development-Family Life. Three credits.

4042 (404B) Foods-Nutrition. Three credits.

4043 (404C) Clothing-Textiles. Three credits.

4044 (404D) Housing-Design. Three credits.

4051-4054 Advanced Problems in Human Sciences. Prerequisite: Permission of department chair. Provides an opportunity for advanced students to do independent study or conduct research in their areas of emphasis. One hour seminar per week plus independent study in

4051 (405A) Human Development-Family Life. Three credits.

4052 (405B) Foods-Nutrition. Three credits.

4053 (405C) Clothing-Textiles. Three credits.

4054 (405D) Housing-Design. Three credits.

4060 (406) Readings in Human Sciences. One to three credits. Prerequisite: Permission of department chair. Selected readings of current trends, developments, and research in human sciences of interest to teachers and students. One hour seminar per week and independent study.

4101-4105 Internship. Six credits. Prerequisites: Departmental approval and minimum 2.25 GPA. Directed and supervised experience designed to acclimate seniors in day-to-day demands, skills, and personal relationships in their major fields. Provides students with professional experiences. Includes a minimum of 300 hours at the worksite, plus scheduled seminars.

4101 (410A) Human Development-Family Life (Prerequisites: CDFS 2350, 3310, 3320, 3330, 4300, 4340, 4350, 4360, and 4390).

4102 (410B) Consumer Services (Prerequisites: H SC 3020, 4410, 4420, and 4430).

4103 (410C) Textiles, Merchandising, and Design (Prerequisites: retail-oriented: TXMD 3100, 3130, 3150 or 3190, 3160, 3170, and 4150; design-oriented: TXMD 3100, 3130, 3140, 3170, and 3190).

4104 (410D) Interior Design (Prerequisites: IDES 3730, 4750).

4105 (410E) Nutrition and Food Science (Prerequisites: N FS 3200, H SC 4430, and approval of advisor)

4410 (441) Consumer Economics. Three credits. Consideration of theoretical economics as related to the family. Presents an overview of the choices available and the decision-making process confronting the family in the American economy.

4420 (442) Personal and Family Management. Three credits. Management theories applied to personal and family resources throughout the life cycle. Emphasis on the development of knowledge from which to draw conclusions about the financial elements of life. Offered once a year.

4430 (443) Resource Management. Three credits. Opportunity to identify and integrate the management functions of the human sciences areas. Emphasis on management roles and responsibilities of human sciences professionals, the relationship of the learning organization concept to the human science profession, and the use of quality improvement techniques to solve human sciences-related problems.

4450 (445) Professionalism in Consumer Services. Three credits. The role, functions, and responsibilities of consumer services professionals employed in business, government, and other organizations.

Courses in Textiles, Merchandising, and Design [TXMD]

1100 (110) Clothing I. Three credits. The fundamental clothing construction processes necessary for advanced work in clothing. Five hours per week. Offered once a year.

3000 (300) Computer-Aided Apparel Design. Three credits. Introduces computer basics and the windows operating environment; computer-aided design applications related to the apparel and textile industries, including fashion sketching with stylus and graphics tablet, design evolution and line development; current CAD software utilized. Five hours per week. Offered once a year.

3070 (307) Fashion Promotion. Three credits. Prerequisite: H SC 1610. An overview of the sales promotion process in relation to the fashion industry; emphasis on advertising, visual merchandising, special events, and fashion show production. Addresses newest techniques in fashion merchandising and promotion. Students directly involved in planning the production of a major fashion show within the community. Offered once a year.

3100 (310) Textiles I. Three credits. An overview of the textile industry including fibers, yarns, fabric construction, dyeing/printing techniques, and finishes. Emphasis placed on the selection of textile products in relation to end use. Includes labwork involving physical testing. Four hours per week.

3120 (312) Textiles II. Three credits. Prerequisite: TXMD 3100. An overview of quality control using state-of-the-art textile testing equipment. Analysis of fibers and fabrics with emphasis on labwork involving microscopy and chemical and physical testing. Correlation of test results in predicting fabric performance in relation to end use. Four hours per week. Offered once a year.

- 3130 (313) Introduction to the Fashion Industry.** Three credits. How the fashion world operates from planning stages to consumer. Emphasis on production and distribution of fashion goods, current trends, and technological developments. Offered once a year.
- 3140 (314) Flat Pattern Design.** Three credits. Prerequisite: TXMD 3190. Adaptation of commercial sloper patterns to individual proportions, pattern designing and application of principles of design to apparel designing. Five hours per week. Offered once a year.
- 3150 (315) Apparel Selection and Evaluation.** Three credits. Prerequisites: H SC 1610 and TXMD 3100. An overview of the apparel industry structure and the functions of each division. Emphasis on recognizing quality in relation to fabrication, construction, and design of garments. Clothing needs of special populations included. No construction involved. Offered once a year.
- 3160 (316) Fashion Fundamentals.** Three credits. Prerequisite: TXMD 3130. Principles underlying the fashion process and the study of fashion retailing and entrepreneurship. Special emphasis on the dissemination of fashion throughout the world market and to the fashion designers and business leaders in the fashion world today. Offered once a year.
- 3180 (318) Apparel Manufacturing.** Three credits. Prerequisites: TXMD 3100 and 3150. Analysis of apparel manufacturing processes related to specifications, costing, product development, sourcing, time and motion studies, production planning, resource utilization, and quality assurance. Field trips. Offered once a year.
- 3190 (319) Clothing II.** Three credits. Prerequisite: TXMD 1100 or permission of instructor. Advanced clothing construction techniques with emphasis on fitting and finishing. Practical application of acquired knowledge to creative wardrobe planning and selection. Five hours per week. Offered once a year.
- 4110 (411) Fashion Illustration.** Three credits. Prerequisites: H SC 1610; TXMD 3100 and 3150. An overview of fashion illustration techniques allowing skill development of the fashion croquis and garments using various media techniques to communicate fashion ideas, moods, and details. Offered once a year.
- 4120 (412) Advanced Computer-Aided Apparel Design.** Three credits. Prerequisites: ETIS 1310; TXMD 3000, 3140, and 4110. Provides opportunity to develop advanced computer-aided apparel design skills while using state-of-the-art CAD software. Focuses on developing textile and apparel activities applicable within the industry today. Students will develop a portfolio containing design projects. Five hours per week. Offered once a year.
- 4130 (413) History of Costume.** Three credits. Survey of clothing and design from ancient to modern periods; consideration given to social, economic, and cultural conditions reflected in dress. Offered once a year.
- 4150 (415) Fashion Merchandising.** Three credits. Prerequisite: TXMD 3160. Principles of marketing, retailing, and sales as they apply to the merchandising of fashion goods. Special emphasis on fashion buying, planning, control and computer applications for apparel businesses. Offered once a year.
- 4160 (416) Advanced Apparel Design.** Three credits. Prerequisites: TXMD 3140 and 3190. Advanced apparel design techniques including patterning, draping, drafting, grading, and marker de-

velopment. Includes computerized patternmaking. Offered once a year.

- 4170 (417) Social Aspects of Clothing.** Three credits. Principles of sociology and psychology applied to the study of clothing and related behaviors. Research methods for studying socio-psychological aspects of clothing included. Offered once a year.

Courses in Nutrition and Food Sciences [N FS]

- 1240 (124) Principles of Nutrition.** Three credits. Fundamentals of normal nutrition and its relationship to the health and physical fitness of individuals with emphasis on the scientific, psychological, sociological, and economic aspects of nutrition. (Credit not allowed for Nutrition and Food Sciences major.)
- 2220 (222) Nutrition for the Health Sciences.** Three credits. Elements of scientific, psychological, sociological bases of nutrition and its relationship to prevention and treatment of degenerative diseases. Emphasis on fostering communication between health care practitioners in assessment and implementation of nutrition care. (Nursing and Nutrition and Food Science majors only.)
- 3200 (320) Food Principles.** Three credits. Basic physical and chemical principles, techniques, skills, sanitation, and economics involved in quality food selection, composition, and preparation. Five hours per week.
- 3210 (321) Meal Management.** Three credits. Functions of management applied to serving nutritionally adequate and aesthetically satisfying meals. Management of human and non-human resources in group situations. Five hours per week.
- 3260 (326) Community Nutrition.** Three credits. Prerequisite: N FS 1240 or 2220. Nutrition problems and practices in the community; nutrition programs of state and federal agencies; supervised field experiences; preparation of nutrition education materials.
- 3280 (328) Nutrition in Health Promotion.** Three credits. Prerequisite: N FS 1240 or 2220. Nutrition education resources and skills for individuals working in health promotion and wellness areas including methods for weight management, evaluating popular nutrition fads, dietary assessment, sports nutrition, dietary fat, and cholesterol programs. Offered once a year.
- 4090 (409) Field Experience in Foods and Nutrition.** Three credits. Prerequisites: N FS 1240 or 2220, 4200, 4220; permission of instructor; 2.25 GPA. Directed and supervised experience in a specialized area of dietetics or food management. Includes a minimum of 150 hours at the worksite.
- 4200 (420) Diet and Disease.** Three credits. Prerequisites: BIOL 2030 and N FS 4270. Dietary problems in disease and modifications of normal diet to meet dietary requirements of pathological and special conditions. Offered once a year.
- 4210 (421) Nutrition in Aging.** Three credits. Prerequisite: N FS 1240 or 2220. Nutritional needs of elderly individuals and how these requirements are affected by physiological, pathological, and socioeconomic changes associated with aging. Emphasis placed on assessment, nutrition counseling skills, and resources to assist elderly individuals with adequate nutrient intake. Offered once a year.
- 4220 (422) Food Systems Management I.** Three credits. Prerequisites: N FS 3200 and H SC 4430. Principles and production of

quantity foods. Emphasis on menu planning and evaluation, production planning, quality control, facilities and equipment, safety, and sanitation. Five hours per week.

4240 (424) Experimental Food Study. Three credits. Prerequisites: N FS 3200 and CHEM 2030 or permission of instructor. Chemical and physical factors affecting the flavor, texture, color, and appearance of food. Emphasis placed on evaluation of sensory qualities of food, using subjective and objective measurements and new food product development. Offered once a year.

4250 (425) Child Nutrition. Three credits. Prerequisite: N FS 1240 or 2220. Nutritional needs during pregnancy, infancy, and childhood related to physical and mental development. Emphasis on cultural, social, and psychological aspects of the development of food patterns and nutrition education resources.

4260 (426) Food Safety Issues from Production to Consumption. Three credits. Issues impacting food production, food storage and transportation, food processing, and food consumption within food production facilities, the home, and food service facilities. Consumer concerns evaluated based on risk theory and scientific evaluation of safety, including decision-making through critical thinking. Food standards and regulations designed to improve safety of the food supply discussed.

4270 (427) Advanced Nutrition. Three credits. Prerequisite: N FS 1240 or 2220. Advanced study of nutrients, standards for determination of nutrient needs and metabolism of nutrients in the body. Offered once a year.

4280 (428) Food Systems Management II. Three credits. Prerequisite: H SC 4430. Roles and responsibilities of food and nutrition professionals. Emphasis on marketing food and nutrition services, financial management, facilities planning and design, human resource management, work improvement and productivity. Offered spring only.

4290 (429) Dietetic Practicum. Six credits. Prerequisites: N FS 4200 and 4220. Practical preparation in the field of clinical dietetics. Clinical experience provided with the cooperation of Middle Tennessee Medical Center and other facilities. For senior dietetics students only. Offered summer only.

4800 (480) Diet and Disease Seminar. One credit. To be taken concurrently with N FS 4200 Diet and Disease. Nutrition and Food Science majors only. Practice in applying the knowledge base acquired in N FS 4200 to structured case studies and development of the critical thinking skills needed to design accurate and systematic nutrition care plans in the clinical setting.

Courses in Child Development and Family Studies [CDFS]

2350 (235) Human Development I. Three credits. Total development of the child, conception to three years of age. Three hours plus one hour observation per week.

3300 Caring Across Generations. Four credits. Prerequisite: Permission of instructor. A service learning course in which students are trained as certified nurses' assistants (CNAs) including basic care skills as well as interaction with the elderly and their families. Designed to help students assess their level of interest in pursuing careers in working with children and/or the elderly in a medical setting.

3310 (331) Human Development II. Three credits. Prerequisite: CDFS 2350 or permission of instructor. In-depth study of physical, intellectual, social, and emotional factors influencing development preschool through middle childhood. Three hours plus one hour observation per week.

3320 (332) Family Relations. Three credits. Family systems, giving consideration to interpersonal relationships. The structure, function, and development of families in a changing society and in relation to other social institutions.

3330 (333) Dynamics of Interpersonal Relationships. Three credits. Skills and knowledge essential to the development and maintenance of interpersonal and work relationships analyzed. Topics focus on self-awareness, communication in various types of relationships, and managing feelings and conflict.

3340 (334) Life-span Human Development. Three credits. Emotional, social, physical, and intellectual growth and development of the individual over the life-span with a family-oriented emphasis. **Not available to Early Childhood Education and/or Family and Consumer Studies: Child Development and Family Studies majors.**

3390 (339) Professional Seminar. Three credits. Prerequisites: Junior standing in the CDFS program and approval of the instructor. A prerequisite to H SC 4101 Internship in CDFS. Professional issues of ethics, networking, social change and public policy relating to children and families to be covered in 50-hour seminar format. Also, a site-approved, 100-hour field placement to be completed.

4140 (414) Violence in the Family. Three credits. (Same as SOC 4140.) The causes, dynamics, and consequences of violence in the family. Includes the discussion of violence toward children, spouses, dating partners, siblings, and elders. Emphasizes the social conditions which lead to these types of violence.

4300 (430) Nursery School Practicum. Three credits. Prerequisites: CDFS 2350, 3310, 4370 or permission of instructor. Advanced information and skills working with three- and four-year olds. Lab interaction with children; planning and implementation of curriculum. Three hours laboratory plus two-hour seminar per week.

4310 (431) Human Development III. Three credits. In-depth study of physical, intellectual, social, and emotional factors influencing development during adolescence and the reciprocal influences between adolescent development and the family system. Emphasis on the ecological perspective to include the relation between adolescent development, families, and society.

4320 (432) Evaluation Strategies and Multicultural Education. Three credits. Prerequisites: CDFS 2350 and 3310. Must be taken concurrently with CDFS 4370 (Early Childhood Education majors only) or with permission of instructor. A comprehensive examination of assessment and cultural, linguistic, and developmental diversity in young children for the purpose of meeting individual and group needs. Three hours plus one hour of observation and interaction with young children with diverse needs per week.

4330 (433) Primary Practicum. Three credits. Prerequisites: CDFS 4300, 4380; ELED 3050; admission to teacher education. Advanced information and skills in working with kindergarten and primary age students. Consists of field experiences in the appropriate development and implementation of curriculum in kindergarten and one other primary grade. Three hours laboratory and two hours seminar per week.

- 4340 (434) The Contemporary Family.** Three credits. Prerequisite: CDFS 3320 or permission of instructor. An ecological approach to the study of contemporary issues, problems, questions, and life styles as they relate to families and individuals. Offered fall only.
- 4350 (435) Parenting.** Three credits. Developing knowledge and understanding of parenting and parent/child interaction explored across the lifespan from a theoretical as well as an applied perspective.
- 4360 (436) Day Care Perspectives.** Three credits. Prerequisite: CDFS 2350 and 3310 or permission of instructor. Examination of diverse day care settings and their influence on human development. Emphasis on the organization/administration of day care programs. Participation in day care center experiences required. Three hours plus one hour observation per week.
- 4370 (437) Effective Instruction (Birth-5).** Three credits. Prerequisites: CDFS 2350 and 3310 or permission of instructor. Must be taken concurrently with CDFS 4320 - Early Childhood Education majors only. A comprehensive exploration of the knowledge and skills necessary for designing and implementing curriculum appropriate for programs serving children birth to five years.
- 4380 (438) Infant/Toddler Practicum.** Three credits. Prerequisites: CDFS 2350, 3310, 4370 or permission of instructor. Advanced knowledge and skills for working with infants and toddlers (birth-3). Lab participation involving interactions with children as well as planning and implementing curriculum required. A three-hour laboratory and a two-hour seminar per week.
- 4390 (439) Families in Later Life.** Three credits. Prerequisites: Human Science majors - CDFS 3320; Sociology majors - SOC 2600 or permission of instructor. Examination of families in later life from an ecological approach with emphasis on family forms and relationships.
- 4391 Aging Health and Development.** Three credits. Prerequisite: CDFS 4390 or SOC 2600 or permission of the instructor. A service learning opportunity that provides students with understanding of the concepts and application of aging, families in later life, assessment, and gerontological program planning and implementation.

Courses in Family and Consumer Sciences Education [FCSE]

- 2510 (251) Home Economics Vocational Education and Curriculum.** Three credits. Orientation to vocational education and to teaching vocational home economics including attention to philosophy legislation, federal and state regulations and standards, curriculum and instruction in consumer-homemaking education, and occupational home economics education.
- 3510 (351) Methods and Materials for Teaching Vocational Home Economics.** Three credits. Prerequisite: Admission to teacher education program. Philosophy of home economics education, principles of teaching, and curriculum construction applied to field. Study, evaluation, and organization of materials. Explanation of instructional materials.
- 4500 (450) Occupational Field Experience.** Three credits each. Prerequisite: Permission of instructor. Directed participation in planned and supervised occupational experiences of 8 hours field experience per week. Must apply previous semester.
- 4501 (450A) Care and Guidance of Children.** Three credits.
- 4502 (450B) Food Management, Production, and Services.** Three credits.
- 4540 (454 A-Z) Teaching Home Economics.** One to six credits. Synthesis and application of relevant concepts relating to educational planning, changes and social changes to the development of effective home economics education programs. A maximum of 6 semester hours credit may be applied toward a degree.
- 4550 (455) Curriculum Development.** Three credits. Review of recent advances in home economics education. Analysis and evaluation of selected topics, materials, and methods in terms of their appropriateness for teaching curriculum objectives in home economics.
- 4560 (456) Problems in Teaching Materials.** One to three credits. Prerequisite: Permission of department chair. Application of principles and techniques involved in the selection and preparation of effective teaching materials and visual aids.
- 4570 (457) Occupational Home Economics Seminar.** Three credits. Prerequisite: Consent of instructor. Examination and analysis of program development, execution, and evaluation in a selected occupational area.

Courses in Interior Design [IDES]

- 2700 (270) Interior Design Fundamentals.** Four credits. IDES 2700 and 2710 should be taken during same semester. Exploration of elements and principles of design with emphasis on the impact on the built environment. Architectural lettering styles and techniques applied to interior design. Six hours per week.
- 2710 (271) Interior Design Graphics.** Three credits. IDES 2700 and 2710 should be taken during same semester. Technical drawing techniques, lettering, and drawing media commonly used in interior design. Will include orthographic, isometric, axonometric, and oblique drawings, graphic symbols, and entourage. Five hours per week.
- 2930, 2940, 3970, 3980 (293, 294, 397, 398) Cooperative Education.** Three credits. Experiential learning that occurs in real employment situations. Must be taken in sequence or approved by the director of Cooperative Education and IDES coop coordinator.
- 3600 (360) House Design.** Three credits. Prerequisites: IDES 2700 and 2710. Human's shelter: the personal dwelling. Emphasis on the organization and documentation of interior space, light frame construction methods and materials, structure, and systems derived from human needs and activities. Five hours per week.
- 3700 (370) Interior Design Visual Presentations I.** Three credits. Prerequisites: IDES 2700 and 2710; ART 1620; or permission of instructor. Interior rendering techniques, perspective drawing, sketching, and operation and care of equipment necessary in the effective communication of design solutions. Five hours per week.
- 3710 (371) Principles of Interior Design.** Three credits. Prerequisites: IDES 2700 and 2710 or permission of instructor. Basic principles, theories, and procedures involved in creative problem solving. Five hours per week. Offered once a year.

- 3720 (372) Interior Materials and Finishes.** Three credits. Prerequisite: IDES 2710 or permission of instructor. Materials and finishes used in the treatment of interior space to be examined in terms of properties, specifications, installation, and manufacturers. Four hours per week. Offered once a year.
- 3730 (373) Residential Design I.** Three credits. Prerequisites: IDES 3710 and 3600. Analysis and organization of components, materials, and space relative to human scale and habitability. Influence factors of architecture, function, and economics on the design of interior environment. Emphasis on the data gathering and space planning. Five hours per week. Offered once a year.
- 3740 (374) Interior Design Business Practices.** Three credits. Prerequisites: IDES 3720 and 3730; pass portfolio review. Business practices, ethics, Americans with Disabilities Act, building, fire, and life safety codes as applied to the interior design profession. Offered once a year.
- 3750 (375) Interior Design Visual Presentations II.** Three credits. Prerequisites: IDES 3600 and INFS 2200. Presentation techniques using computer-aided drafting as applied to the interior design profession. Emphasis on 2-dimensional drawings. Five hours per week.
- 3760 (376) Interior Design Visual Presentations III.** Three credits. Prerequisite: IDES 3750. Advanced computer applications in interior design presentation. Emphasis on 3-dimensional drawings, customizing techniques. Five hours per week.



- 4620 (462) House Furnishings.** Three credits. Design principles; space planning; materials; furniture styles, selection, and buying. Four hours per week. **Not accepted for credit toward Interior Design major.**
- 4700 (470) History of Interiors.** Three credits. Survey of historic styles from antiquity through 18th Century Europe. Emphasis on major design characteristics of interior architectural and furnishing styles. Offered once a year.
- 4710 (471) Survey of Contemporary Interior Design.** Three credits. Prerequisite: IDES 4700 or permission of instructor. Survey of American interiors and the development of contemporary interiors from the early nineteenth century to the present with consideration given to style characteristics, cultural influences, designers, and relationships among styles. Offered once a year.
- 4730 (473) Residential Design II.** Three credits. Prerequisites: IDES 3730 and 4750. Advanced studio experiences in residential interiors. Emphasis on designing for special populations, environmental issues, and large residences. Five hours per week. Offered once a year.
- 4740 (474) Lighting Design.** Three credits. Prerequisite: IDES 3730 or permission of instructor. Principles, terminology, design requirements, and equipment for general and decorative illumination as utilized in the interior environment. Methods of light generation, control, product analysis, selection, and specification. Offered once a year.
- 4750 (475) Introduction to Commercial Design.** Three credits. Prerequisites: IDES 3730; pass portfolio review. Issues and procedures found in the commercial interior design field; utilization of resources, human factors and client needs in planning and developing design solutions for office spaces. Five hours per week. Offered once a year.
- 4760 (476) Contract Design I.** Three credits. Prerequisites: IDES 3760, 4740, and 4750. Specific human and physical needs encountered in the total design of interiors of a public nature. Emphasis on health care and institutional spaces. Five hours per week. Offered once a year.
- 4770 (477) Contract Design II.** Three credits. Prerequisite: IDES 4760. Advanced studio experience in contract design. Emphasis on problem solving, documentation, and presentation of hospitality spaces. Five hours per week. Offered once a year.
- 4780 (478) Interior Design Portfolio.** Three credits. Prerequisite: IDES 4730. Preparation of interior design portfolio, including projects, resumes, and job search skills. Design of retail spaces. Review of NCIDQ exam. Five hours per week. Offered once a year.
- 4790 (479) Interior Construction Documents.** Three credits. Prerequisites: IDES 4750; must be enrolled in IDES 4730 concurrently. Advanced studio experience addressing residential and commercial interior construction techniques, documentation, and project management. Four hours per week. Offered once per year.

Graduate Study

A Master of Science in Human Sciences with concentrations in Child Development and Family Studies or Nutrition and Food Science is offered. A Master of Vocational Technical Education degree is offered in cooperation with three other departments. A minor in Human Sciences is also available. Requirements and a list of the courses offered for graduate credit are published in the Graduate Catalog.