

# 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 Family and Consumer Sciences Education, and Child Development and Family Studies; Interior Design; Nutrition and Food Science with a concentration in Dietetics; 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 Education requirements. Consultation with the assigned advisor is necessary before each registration.

**Curricular listings include General Education requirements in Communication, History, Humanities and/or Fine Arts, Mathematics, Natural Sciences, and Social/Behavioral Sciences categories as outlined on pages 60–63.**

## **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: 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 from an institution approved for the training of teachers in family and consumer sciences and its occupational areas. Occupational endorsements may be added but are not a required part of the major. 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.

#### Recommended Curriculum

<b>FRESHMAN</b>		<b>SOPHOMORE</b>	
ENGL 1010, 1020 (Comm)	6	ENGL 2020 or 2030 or	
COMM 2200 (Comm)	3	HUM 2610 (Hum/FA)	3
Natural Sciences (2 prefixes)	8	Humanities and/or Fine Arts	
FOED 1110§	3	(2 prefixes)	6
H SC 1010	1	Social/Behavioral Sciences	
CDFS 3320	3	(2 prefixes)	6
N FS 1240	3	Mathematics	3
FCSE 2510	3	HIST 2010, 2020, or 2030	6
	<b>30</b>	N FS 3200	3
		FOED 2110§	3
			<b>30</b>

<b>JUNIOR</b>		<b>SENIOR</b>	
H SC 3020	3	H SC 4420	3
CDFS 3340	3	H SC 4000	1
FCSE 3510	3	N FS 3210	3
Secondary Education minor§	6	CDFS 4340	3
H SC 4410	3	TXMD 3100	3
CDFS 4350	3	Secondary Education minor§	18
H SC 3430	3		<b>31</b>
IDES 4620	3		
TXMD 1100	3		
	<b>30</b>		

§The Secondary Education minor has been revised. Please see page 193 and contact the Educational Leadership Department for information.

### Concentration: Child Development and Family Studies

Child Development and Family Studies is a nationally approved program that offers preparation for a student to become a Certified Family Life Educator (CFLE). Completion of this program leads to career opportunities with family life education, social service agencies, day care programs (care giving and administration), crisis intervention programs, and senior citizen services; in business as consultants; in medical settings as care givers or child life specialists; and as advocates for children and families.

**NOTE:** Students in the CDFS concentration must earn a grade of C or higher in all CDFS and related courses.

#### Recommended Curriculum

<b>FRESHMAN</b>		<b>SOPHOMORE</b>	
ENGL 1010, 1020 (Comm)	6	ENGL 2020 or 2030 or	
Humanities and/or Fine Arts		HUM 2610 (Hum/FA)	3
(2 prefixes)	6	COMM 2200 (Comm)	3
MATH 1010 (Math)	3	CDFS 3310, 3330	6
CDFS 2350, 3320	6	HIST 2010, 2020, or 2030	3
H SC 1010	1	PSY 1410 (Soc/Beh Sci)	3
Natural Sciences (2 prefixes)	8	Social/Behavioral Sciences	3
	<b>30</b>	Minor	6
		N FS 1240	3
			<b>30</b>

<b>JUNIOR</b>		<b>SENIOR</b>	
PSY 4600	3	H SC 4000	1
CDFS 4140, 4340	6	CDFS 3390, 4370	6
CDFS 4300 or 4380, 4390	6	CDFS 4380, 4389, 4391,	
CDFS 4310, 4350	6	H SC 4430, 4420,	
Minor	3	N FS 4210, or 4251	3
H SC 4410	3	CDFS 4391, 4380, or 4389	3
HIST 2010, 2020, or 2030	3	CDFS 4360 or 3300	3-4
	<b>30</b>	Minor	6
		Electives	1-2
		H SC 4101	6
			<b>29-31</b>

### 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. Textiles, Merchandising, and Design majors and minors must earn a grade of C or higher in all TXMD courses. Students earning a D or F will be required to repeat the course before being allowed to advance in the program.

#### 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, a minor in Art or Entertainment Arts Design is required.

#### Recommended Curriculum

<b>FRESHMAN</b>		<b>SOPHOMORE</b>	
ENGL 1010, 1020 (Comm)	6	ENGL 2020 or 2030 or	
Natural Sciences (2 prefixes)	8	HUM 2610 (Hum/FA)	3
Social/Behavioral Sciences	3	COMM 2200 (Comm)	3
H SC 1010, 1610	4	HIST 2010, 2020, or 2030	6
TXMD 3130, 3190	6	TXMD 3100, 3150	6
Minor	3	MATH 1010, 1630, or 1710	3
	<b>30</b>	Social/Behavioral Sciences	3
		ART 1030 (Hum/FA)	3
		Minor	3
			<b>30</b>

<b>JUNIOR</b>		<b>SENIOR</b>	
Humanities and/or Fine Arts	3	H SC 4410	3
H SC 3020	3	H SC 4000	1
N FS 1240	3	TXMD 3000, 3070, 3120,	
CDFS 3320	3	3180, 4120	15
TXMD 4110, 3140, 4130,		TXMD 3160, 4170, or	
4160	12	H SC 4043	3
Minor	6	Minor	6
	<b>30</b>	Electives*	2
			<b>30</b>

\*The number of hours required as electives may vary depending upon the courses taken. All students must have a minimum of 120 hours in order to graduate, so the number of hours required as electives may vary.

### 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, a minor in one of the following areas is required: Business Administration, Management, Marketing, Mass Communication, or Entrepreneurship.

#### Recommended Curriculum

FRESHMAN		SOPHOMORE	
ENGL 1010, 1020 (Comm)	6	ENGL 2020 or 2030 or	
Natural Sciences (2 prefixes)	8	HUM 2610 (Hum/FA)	3
Social/Behavioral Sciences		COMM 2200 (Comm)	3
(2 prefixes)	6	HIST 2010, 2020, or 2030	6
H SC 1010, 1610	4	TXMD 3100; 3150 or 3190	6
TXMD 3130	3	ART 1030 (Hum/FA)	3
MATH 1010, 1630, or 1710		Humanities and/or Fine Arts	3
(Math)	3	N FS 1240	3
	<b>30</b>		<b>27</b>
JUNIOR		SENIOR	
H SC 3020	3	TXMD 3160, 4150	6
TXMD 3070, 4130, 4170	9	H SC 4000, 4410, 4430	7
ACTG 3000, 2110, or 1110	3	TXMD 3000, 3120, 3140,	
CDFS 3320	3	3180, 4120, H SC 4043,	
Elective	3	4103, or CDFS 3330	6
Minor	9	Electives*	2-5
	<b>30</b>	Minor*	6-9
			<b>27-33</b>

\*The number of elective hours required depends upon the choice of minors. All students must have a minimum of 120 hours to graduate, so the number of elective hours may vary.

### 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 3000.

### Major in Nutrition and Food Science

The major in Nutrition and Food Science offers preparation for careers in community nutrition services; county, state, and federal health departments; food systems management; food processing; food marketing; and quality control.

#### Recommended Curriculum

FRESHMAN		SOPHOMORE	
ENGL 1010, 1020 (Comm)	6	N FS 3200, 3260, 3280	9
MATH 1010 (Math)	3	COMM 2200 (Comm)	3
Humanities and/or Fine Arts		Social/Behavioral Sciences	3
(2 prefixes)	6	HIST 2010, 2020, or 2030	6
SOC 1010 (Soc/Beh Sci)	3	BIOL 2010 (Nat Sci)	4
H SC 1010	1	BIOL 2020	4
N FS 2220	3		<b>29</b>
CHEM 1010 (Nat Sci)	4		
CHEM 1020	4		
	<b>30</b>		

#### JUNIOR

H SC 4410, 4430	6	N FS 4240, 4280	6
CDFS 3320	3	N FS 4200, 4220,	
N FS 4210, 4250, 4270	9	ABAS 4200, 4810, or 4820	12
CHEM 2030	4	H SC 4000	1
ENGL 2020 or 2030 or		Minor	9
HUM 2610 (Hum/FA)	3	Elective	2
Minor	6		<b>30</b>
	<b>31</b>		

### Concentration: Dietetics

The Dietetics concentration is a Didactic Program in Dietetics (DPD) accredited by the Commission on Accreditation of Dietetics Education of the American Dietetic Association, 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, (312) 899-4876. The program offers preparation for careers in dietetics as nutritionists, clinical or management dietitians, dietitians in private practice, and consulting dietitians. After completing the degree, students receive a verification statement that DPD requirements have been met, qualifying them to apply for a supervised practice program (dietetic internship). After completion of an internship, students must pass the national examination to become registered dietitians (R.D.) and be eligible for licensure as dietitians/nutritionists (L.D.N.) in the State of Tennessee. Students with baccalaureate degrees in other areas may complete the DPD requirements at MTSU. Transfer students must take a minimum of 15 hours in nutrition and food science at MTSU to include N FS 4200 and 4290.

#### Recommended Curriculum

FRESHMAN		SOPHOMORE	
ENGL 1010, 1020 (Comm)	6	N FS 3200, 3260, 3280	9
Social/Behavioral Sciences	3	COMM 2200 (Comm)	3
Humanities and/or Fine Arts		MATH 1530 (Math)	3
(2 prefixes)	6	HIST 2010, 2020, or 2030	6
SOC 1010 (Soc/Beh Sci)	3	BIOL 2010 (Nat Sci)	4
H SC 1010	1	BIOL 2020	4
N FS 2220	3		<b>29</b>
CHEM 1010 (Nat Sci)	4		
CHEM 1020	4		
	<b>30</b>		

#### JUNIOR

H SC 4410, 4430	6	N FS 4200, 4220, 4240,	
CDFS 3320, 3330	6	4280, 4290, 4800	19
N FS 4210, 4250, 4270	9	BIOL 2230	4
CHEM 2030, 3530	8	ACTG 1110 or 3000	3
ENGL 2020 or 2030 or		H SC 4000	1
HUM 2610 (Hum/FA)	3	Elective	2
	<b>32</b>		<b>29</b>

### 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 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 includes a major in Interior Design and a professional core in Human Sciences, art, and business.

Interior design majors must maintain a minimum cumulative GPA of 2.75 to continue through the program sequence and 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	
ENGL 1010, 1020 (Comm)	6	IDES 2700, 2710, 3600,	
HIST 1110 or 1120 (Hum/FA)	3	3700, 3710, 3720,	
H SC 1010	1	4700, 4710	24
Natural Sciences (2 prefixes)	8	COMM 2200 (Comm)	3
CDFS 3320	3	ENGL 2020 or 2030 or	
Social/Behavioral Sciences	3	HUM 2610 (Hum/FA)	3
ART 1620	3		<b>30</b>
Mathematics	3		
	<b>30</b>		

JUNIOR		SENIOR	
IDES 3730, 3740, 3750,		IDES 4760, 4770, 4780,	
3760, 4730, 4740, 4750	21	4790	12
ART 1910 or 1920 or 1930	6	HIST 2010, 2020, or 2030	6
TXMD 3100	3	Social/Behavioral Sciences	3
	<b>30</b>	CDFS 3330 or H SC 4430 or	
		N FS 1240	3
		MKT 3820	3
		Humanities and/or Fine Arts	3
			<b>30</b>

### 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 third 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.\*

\*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 and CDFS 4375.

#### Recommended Curriculum

FRESHMAN		SOPHOMORE	
ENGL 1010, 1020 (Comm)	6	CDFS 3310, 4320, 4370,	
MATH 1010 (Math)	3	3320	12
MATH 1410	3	GEOG 2000 (Soc/Beh Sci)	3
FOED 1110, 2110	6	CHEM 1030 or GEOL 1030	
CDFS 2350	3	or PSCI 1030 or ASTR 1030	
H SC 1010	1	(Nat Sci)	4
BIOL 1030 (Nat Sci)	4	HIST 2010, 2020, or 2030	6
ART 1030 or DANC 1000 or		ANTH 2010 or P S 1010 or	
MUS 1030 or PHIL 1030 or		P S 2010 or AAS 2100	
THEA 1030 (Hum/FA)	6	(Soc/Beh Sci)	3
COMM 2200 (Comm)	3		<b>28</b>
	<b>35</b>		

JUNIOR		SENIOR	
ELED 3050	3	CDFS 4350	3
CDFS 4300	3	SPED 3010	3
MUED 4670	4	CDFS 4330, 4360	6
ELED 3300	3	N FS 4251	3
CDFS 4380	3	H SC 4000	1
PHED 3500	4	CDFS 4110	12
ART 2230	3		<b>28</b>
ELED 3150	3		
ENGL 2020 or 2030 or			
(Hum/FA)	3		
CDFS 4375	4		
	<b>33</b>		

### 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 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 midterm.

**1610 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 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 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 sociopsychological satisfaction with the residence. Offered once a year.

- 4000 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- 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.
- 4044**
- 4041 Human Development-Family Life.** Three credits.
  - 4042 Foods-Nutrition.** Three credits.
  - 4043 Clothing-Textiles.** Three credits.
  - 4044 Housing-Design.** Three credits.
- 4051- 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
- 4054**
- 4051 Human Development-Family Life.** Three credits.
  - 4052 Foods-Nutrition.** Three credits.
  - 4053 Clothing-Textiles.** Three credits.
  - 4054 Housing-Design.** Three credits.
- 4060 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- Internship.** Six credits. Prerequisites: Departmental approval and minimum 2.25 GPA. Directed and supervised experience designed to acclimate seniors in their major fields. Provides students with professional experiences. Includes a minimum of 300 hours at the worksite plus scheduled seminars.
- 4105**
- 4101 Human Development-Family Life** (Prerequisites: CDFS 2350, 3310, 3320, 3330, 4300, 4340, 4350, 4360, and 4390).
  - 4102 Consumer Services** (Prerequisites: H SC 3020, 4410, 4420, and 4430).
  - 4103 Textiles, Merchandising, and Design** (Prerequisites: retail-oriented: TXMD 3100, 3130, 3150 or 3190, 3160, and 4150; design-oriented: TXMD 3100, 3130, 3140, and 3190).
  - 4104 Interior Design** (Prerequisites: IDES 3730, 4750).
  - 4105 Nutrition and Food Science** (Prerequisites: N FS 3200, H SC 4430, and approval of advisor).
- 4410 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 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 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 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 Clothing I.** Three credits. The fundamental clothing construction processes necessary for advanced work in clothing. Five hours per week. Offered once a year.
- 3000 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 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 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 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 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 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 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 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 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 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 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 Advanced Computer-Aided Apparel Design.** Three credits. Prerequisites: 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 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 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 Advanced Apparel Design.** Three credits. Prerequisites: TXMD 3140 and 3190. Advanced apparel design techniques including patterning, draping, drafting, grading, and marker development. Includes computerized patternmaking. Offered once a year.
- 4170 Social Aspects of Clothing.** Three credits. Principles of sociology and psychology applied to the study of clothing and related behaviors. Research methods for studying sociopsychological aspects of clothing included. Offered once a year.

## Courses in Nutrition and Food Sciences [N FS]

- 1240 Principles of Nutrition.** Three credits. Fundamentals of normal nutrition and its relationship to health and physical fitness with emphasis on the scientific, psychological, sociological, and economic aspects of nutrition. (Credit not allowed for Nutrition and Food Sciences major.)
- 2220 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 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. Offered fall only.
- 3210 Meal Management.** Three credits. Functions of management applied to serving nutritionally adequate and aesthetically satisfying meals. Management of human and nonhuman resources in group situations. Five hours per week.
- 3260 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 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.
- 4090 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 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 spring only.
- 4210 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 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 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 spring only.
- 4250 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.
- 4251 Nutrition for the Young Child.** Three credits. Fundamentals of nutrition with emphasis on its relationship to growth, development, and health during the prenatal period, infancy, and childhood.
- 4260 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 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 fall only.
- 4280 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 Dietetic Practicum.** Six credits. Prerequisites: N FS 4200 and 4220. Practical preparation in the field of clinical dietetics. Clinical

cal experience provided with the cooperation of Middle Tennessee Medical Center and other facilities. For senior dietetics students only. Offered summer only.

**4800 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. Offered spring only.

## Courses in Child Development and Family Studies [CDFS]

**2350 Human Development I.** Three credits. Total development of the child, conception to three years of age. One hour observation per week required.

**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 Human Development II.** Three credits. Prerequisite: CDFS 2350 or permission of instructor. Total development of the child from age three through middle childhood. One hour observation per week required.

**3320 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 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 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 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.

**4110 Directed Teaching, Grades K-3.** Twelve credits. Prerequisites: Successful completion of professional education requirements of FOED 1110, 2110; ELED 3050, 3150, 4010, 4020; SPED 3010; major requirements in Human Sciences; senior or graduate standing; minimum grade point average of 2.5 overall; admission to teacher education; passing score on the NTE-PRAXIS I-PPST. Full-time semester of supervised teaching experience in two placements in the public schools. Pass/Fail.

**4140 Violence in the Family.** Three credits. (Same as SOC 4140.) The causes, dynamics, and consequences of violence in the fam-

ily. 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 Preschool Practicum.** Three credits. Prerequisites: CDFS 2350, 3310, 4370; admission to teacher education program. 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 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. Summer only.

**4320 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. Observation and interaction with young children with diverse needs and their families included.

**4330 Primary Practicum.** Three credits. Prerequisites: CDFS 4300; ELED 3050; admission to teacher education program. Advanced knowledge and skills in working with kindergarten and primary children. Practicum students will implement developmentally appropriate curriculum in kindergarten and one other primary grade. Three hours laboratory and two hours seminar per week.

**4340 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 Parenting.** Three credits. Knowledge of parenting, parent/child interaction, and home/school/community relationships. Theoretical and applied perspectives.

**4360 Day Care Perspectives.** Three credits. Prerequisite: CDFS 2350 and 3310. 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. One hour observation per week required.

**4370 Effective Instruction (Birth-5).** Three credits. Prerequisites: CDFS 2350 and 3310. Must be taken concurrently with CDFS 4320 - Early Childhood Education majors only. Knowledge and skills necessary for implementing developmentally appropriate practices in programs serving children birth to age five.

**4375 Literacy in Early Childhood.** Four credits. Prerequisites: CDFS 4320, 4370; SPED 3010; admission to teacher education program. Study of emergent literacy and literacy concepts, birth through grade three. Includes methods of teaching and assessing literacy in a diverse environment. Use of children's media and literature addressed. Three hours lecture plus two-hour experiential field placement per week.

**4380 Infant/Toddler Practicum.** Three credits. Prerequisites: CDFS 2350, 3310, 4370; admission to teacher education program. 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 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. Spring semester only.

**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. May be repeated with permission of instructor.

## Courses in Family and Consumer Sciences Education [FCSE]

**2510 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 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 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 Care and Guidance of Children.** Three credits.

**4502 Food Management, Production, and Services.** Three credits.

**4540 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 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 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 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]

**NOTE: A minimum GPA of 2.75 is a prerequisite for all IDES courses with the exception of IDES 4620.**

**2700 Interior Design Fundamentals.** Three credits. Prerequisite: Sophomore standing. IDES 2700 and 2710 must be taken during same semester. Introduction to interior design as a profes-

sion, career opportunities, professional organizations. Development of handblock lettering styles and techniques. Exploration of elements and principles of design with emphasis on the impact on the built environment. Five hours per week.

**2710 Interior Design Graphics.** Three credits. Prerequisite: Sophomore standing. IDES 2700 and 2710 must be taken during same semester. Drafting techniques and 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 Cooperative Education.** Three credits. Prerequisite: Permission of instructor. 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 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 Interior Design Visual Presentations I.** Three credits. Prerequisites: IDES 2700 and 2710; ART 1620. 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 Principles of Interior Design.** Three credits. Prerequisites: IDES 2700 and 2710. Basic principles, theories, and procedures involved in creative problem solving. Five hours per week.

**3720 Interior Materials and Finishes.** Three credits. Prerequisites: IDES 2700 and 2710 or concurrent and sophomore standing. Materials and finishes used in the treatment of interior space to be examined in terms of properties, specifications, installation, and manufacturers.

**3730 Residential Design I.** Three credits. Prerequisites: IDES 3710, 3720, 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 Interior Design Business Practices.** Three credits. Prerequisite: IDES 3720; must be taken concurrently with IDES 4750. 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 Interior Design Visual Presentations II.** Three credits. Prerequisites: IDES 3600. Presentation techniques using computer-aided drafting as applied to the interior design profession. Emphasis on 2-dimensional drawings. Five hours per week.

**3760 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 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 History of Interiors.** Three credits. Prerequisite: Sophomore standing. 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 Survey of Contemporary Interior Design.** Three credits. Prerequisite: IDES 4700. 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 Residential Design II.** Three credits. Prerequisites: IDES 3730, 3750, and 4740. 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 Lighting Design.** Three credits. Prerequisites: IDES 3600 and 3710. 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 Introduction to Commercial Design.** Three credits. Prerequisites: IDES 3730 and 4740; must be taken concurrently with IDES 3740. 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 Contract Design I.** Three credits. Prerequisites: IDES 3740, 4730, 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 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 Interior Design Portfolio.** Three credits. Prerequisites: IDES 4730 and 4750. 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 Interior Construction Documents.** Three credits. Prerequisites: IDES 4750 and 4730. 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 minor in Human Sciences is also available. Requirements and a list of the courses offered for graduate credit are published in the Graduate Catalog.