

DEPARTMENT OF HUMAN SCIENCES

Contact Information

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The mission of the profession is to improve the quality of life for individuals, families and communities. The department prepares students for careers in business, Texas AgriLife Extension Service, dietetics, community nutrition and foodservice management, fashion merchandising, family and consumer sciences education, child care, elder care and family services. The major in human sciences has a strong liberal arts/general education foundation. The common body of knowledge that comprises human sciences is drawn from the conceptual areas of human nutrition, clothing, shelter, human development, relationships and resource management. Emphasis is placed upon the development of leadership, research, critical thinking and problem solving skills. The department is a member of the Family and Consumer Sciences Alliance and has an accredited Didactic Program in Dietetics.

Undergraduate Programs Leading to the Bachelor of Science in Human Sciences

The Department of Human Sciences offers the Bachelor of Science in Human Sciences degree with majors in Human Science and Human Nutrition. Students selecting the major in Human Sciences can select a concentration in Family and Consumer Sciences Education leading to Teacher Certification, Fashion Merchandising or Human Development and Family Studies.

Family and Consumer Sciences Education

The curriculum prepares students to meet the requirements for certification as family and consumer sciences teachers as well as for employment with the Texas AgriLife Extension Service and other education agencies. Demand for graduates in this major is high. Graduates also may be employed in business settings such as retail establishments, newspaper organizations and magazine publishing. Additional prescribed course work can be completed to support certification in early childhood education. The program requires knowledge of nutrition and foods; clothing, textiles and merchandising; human development and family studies; consumer economics and family resource management; housing and interiors; curriculum development; occupational programs; and classroom management. The Human Sciences Department is a member of the Family and Consumer Sciences Alliance.

Fashion Merchandising

Fashion Merchandising students are prepared for a variety of careers in retail management, fashion buying, visual merchandising, retail and wholesale sales, product development and merchandise coordination. Students are required to take specialized courses in retail buying, apparel construction, flat pattern, fashion illustration, apparel product development, promotional strategies and visual merchandising, textiles, historic costume, global issues, fashion entrepreneurship, residential analysis, and historic structures and interiors. Opportunities are provided

for students to gain valuable hands-on experience through participation in field trips, interaction with industry representatives, class assignments designed to include community service, travel study and practicum. To enhance preparation for entering the fashion industry, students may elect to complete courses required for a minor in Business Administration or other related areas, such as Art.

Human Development and Family Studies

The need for quality child care and a growing elderly population have created an increasing demand for professionals educated in human development and family studies. The curriculum is flexible enough to plan a program that will prepare the student to work in a child care or elder care facility as a caregiver or administrator or in a child and family services agency as a counselor. The program provides a developmental approach to understanding human growth from prenatal development to old age. Study of the family as a system and as the basic unit of society undergirds the curriculum. Concepts covered include marital adjustment, sexual relationships, prenatal development and birth of children, parenting, child care and development, aging and the life cycle of the family. A practicum is required. The Marc Cisneros Center for Young Children provides opportunities for students to gain experience in working with preschool age children and their parents in a closely supervised setting.

Human Nutrition

The major in Human Nutrition prepares students for careers in dietetics, food systems management and community nutrition. Students may find jobs in hospitals, community nutrition programs, wellness programs, school lunch programs, restaurants, hotels, catering establishments and a variety of management positions in the foodservice industry. Concepts studied include food principles, nutrition, medical nutrition therapy, experimental foods, community nutrition, quantity food preparation and food service management. The Human Nutrition program is a Didactic Program in Dietetics (DPD) accredited by the Academy of Nutrition and Dietetics (AND) Accreditation Council for Education in Nutrition and Dietetics (ACEND). This program is designed to meet the educational requirements for acceptance into an accredited dietetic internship program.

Didactic Program in Dietetics Verification Statement Policy

A verification statement is required in order to apply to dietetic internship programs. To be eligible to receive a verification statement, students in the Didactic Program in Dietetics (DPD) must have a minimum GPA of 3.0 overall in required DPD courses and hold a baccalaureate degree. Receipt of a verification statement, alone, does not guarantee acceptance into an ACEND accredited dietetic internship as programs are highly competitive. Students who do not meet the grade point requirement for a verification statement, but satisfy graduation requirements, remain eligible to graduate with a Bachelor of Science in Human Sciences. For more detailed information please see the Didactic Program in Dietetics Student Handbook (http://www.tamuk.edu/hsci/TAMUK_DPD_Student_Handbook.pdf) available online.

Internships/Practica

Most of the programs in the department require completion of an internship or practicum in a setting that enhances and expands the knowledge and skills gained through course work. Students who plan to take the exam to become a registered dietitian should apply for an internship in an Accreditation Council for Education in Nutrition and

Dietetics (ACEND) approved site following the completion of their degree. The department offers a fully accredited dietetic internship.

Grade Policy

Students majoring or minoring in human sciences must make at least a C in every human sciences course taken toward their degree.

Marc Cisneros Center for Young Children

Marisol Loredo, *Director*

Marc Cisneros Center for Young Children. MSC 138. Extension 2219.

The Marc Cisneros Center for Young Children is the laboratory in which students observe and gain practical experience working with young children and their parents. Several courses in the Department of Human Sciences require observation and/or participation at the Center. Students from other disciplines, such as early childhood education, psychology, speech communications and kinesiology, are also provided opportunities to observe and interact with young children.

The Marc Cisneros Center for Young Children was established in 1941 and is housed on the corner of University Boulevard and Santa Gertrudis Avenue. It meets the needs of 60 children ages three months through five years. Fenced playgrounds provide a large assortment of play structures and equipment, shade and sun areas and open play space. Learning centers are provided in each room to stimulate and encourage exploration and discovery. The philosophy that young children learn through creative play is evident in planned activities that enhance the children's emotional, social, physical and cognitive development.

A highly qualified staff works with the children. The school's close proximity to campus and its high quality program make it especially attractive to the university community. Parents are encouraged to register their children early since there is a waiting list. Prospective parents are welcome to visit at any time.

Faculty

Carrier, Alexa Lecturer I, Department of Human Sciences; B.S.H.S., Texas A&M University-Kingsville; M.S.H.S., Texas A&M University-Kingsville.

Deyhim, Farzad Associate Professor, Department of Human Sciences; B.S., California State University; M.S., California State University; Ph.D., Colorado State University; Ph.D., Oklahoma State University.

Li, Yi Assistant Professor, Department of Human Sciences; B.S., Wuhan University (China); M.S., York University (Canada); Ph.D., Case Western Reserve University.

Oblad, Timothy Assistant Professor, Department of Human Sciences; B.S., Brigham Young University; M.S., Texas Tech University; Ph.D., Texas Tech University.

Rees, Kathleen L Professor, Department of Human Sciences; Regents Professor; B.S., Texas A&I University; M.S., Auburn University; Ph.D., The University of Tennessee.

Emeritus

Van Buren, Janis Professor of Human Sciences, Department of Human Sciences; B.S., Iowa State University; M.S., Iowa State University; Ph.D., Iowa State University.

Courses

Human Sciences (HSCI)

HSCI 1300 Introd to Human Science **1-3 SCH (1-3)**

Overview of the human sciences profession and its interrelationships with the natural and social sciences and the arts, study of the mission and philosophical bases of the profession, emphasis on professional opportunities in the field. Open to all students; required of all human sciences majors.

HSCI 1330 Fundamentals of Fashion **3 SCH (3)**

Introduction to fashion merchandising with emphasis on supply, manufacture, distribution and auxiliary components of the fashion industry, as well as fashion terminology and career opportunities.

HSCI 1350 Food Preparation and Meal Mgt **3 SCH (2-2)**

Management of resources in selection, purchasing, preparation and serving of foods. Basic principles and fundamental knowledge of standard food preparation are included. Meals and special occasion menus which meet the dietary needs of family members are planned, prepared and served.

Fee: \$5.00

HSCI 2150 Introd Nutrition Laboratory **1 SCH (2)**

A laboratory experience that focuses on assessment of nutritional status of individuals. Nutrient composition of food, computerized dietary analysis and survey of the dietetic practice. Corequisite: HSCI 2350.

HSCI 2320 Foundations of Child Devel **3 SCH (3-2)**

Overview of the theories and enhancement of development of infants, toddlers, young children and adolescents in physical, mental, social and emotional areas within a family context; includes methods and techniques used in observing children. Observation and participation required.

Fee: \$5.00

HSCI 2321 Prenatal Inf and Toddler Devel **3 SCH (2-2)**

In-depth study of the theories of child growth and development from conception through the first two years. Includes interactions with caregivers, peers and the environment. Observation and participation required.

Fee: \$5.00

HSCI 2322 Family and Community Health **3 SCH (3)**

Personal, family and community health problems; community and governmental health agencies; principles of first aid and home care of the sick with special reference to the care of children and the aged.

HSCI 2323 Marriage and Family Relations **3 SCH (3)**

Analysis of the family unit as a group of interacting members at each stage of the life cycle, cultural and social influences upon the marriage unit and individuals in the family, alternate life styles in modern society and how to deal with them in the community.

HSCI 2333 Software Applications **3 SCH (3)**

Overview of computers in layout creation and merchandizing, microcomputer applications, analysis of appropriate databases and utilization and evaluation of software specific to fashion and interiors merchandising. Prerequisite: computer literacy course.

HSCI 2334 Social Responsibility Apparel **3 SCH (3)**

Examination of social responsibility in the global textile and apparel industries.

HSCI 2335 Apparel Construction **3 SCH (1-4)**

Basic sewing and construction skills; including understanding a variety of sewing techniques as well as following patterns.

HSCI 2340 Introduction to Housing 3 SCH (3)

Analysis of family housing needs, social and economic conditions affecting housing, production processes, the roles of government in housing.

HSCI 2350 Introductory Nutrition 3 SCH (3)

Basic principles of human nutrition with emphasis on the nutrients and factors which affect their utilization in the human body. Prerequisite: 4 semester hours of Biology or Chemistry.

HSCI 2431 Textiles 4 SCH (3-2)

Overview of chemical and physical properties of fibers, yarns and fabrics as they influence the selection and performance of textile products.

Prerequisite: credit or registration in CHEM 1405.

Fee: \$5.00

HSCI 3320 Devel of Preschool Child 3 SCH (2-2)

In-depth study of the theories of child growth and development as they relate to children from toddlerhood to preschool age. Observation and participation required. Prerequisites: HSCI 2320 or HSCI 2321 or junior standing.

Fee: \$5.00

HSCI 3322 Parenthood 3 SCH (3)

Basic principles and skills for parent effectiveness, diverse parenting situations, parent-child interaction and communication. Methods, materials and techniques for teaching parenting. Prerequisite: junior standing.

HSCI 3330 Historic Costume 3 SCH (3)

Survey of historic modes of dress as they reflect the social, economic and cultural life of a people. Application of design principles to modern dress.

HSCI 3331 Apparel Analysis 3 SCH (3)

Evaluation of apparel quality, including analysis of aesthetics, construction, details, performance, cost and end-use. Prerequisite: HSCI 2331.

HSCI 3332 Quantitative Buying Methods 3 SCH (3)

Principles and application of basic mathematical calculations performed by buyers of fashion merchandise and other analytical skills related to the fashion and similar industries. Prerequisites: MATH 1314 or MATH 1324.

HSCI 3335 Computer-Aided Design Apparel 3 SCH (2-2)

Development and production of textile and apparel designs and patterns via selected computer software packages. Implications for use in the apparel industry. Prerequisite: HSCI 1330

HSCI 3336 Fashion Illustration 3 SCH (3)

Elements and principles of design in hand and computer rendered fashion illustrations using a variety of media. Prerequisite: ARTS 1311 or ARTS 1316 or permission of instructor.

HSCI 3340 Residential Analysis 3 SCH (3)

Evaluation and analysis of residential interior environments, including analysis of activities, major elements and materials. Prerequisite: 3 semester hours of ARTS.

HSCI 3350 Nutrition Through Life Cycle 3 SCH (3)

An in-depth study of the normal growth, development and nutrition associated with pregnancy, infancy, childhood, adolescence, adulthood and aging. Review of appropriate nutritional assessment methods. Prerequisite: junior standing.

HSCI 3352 Experimental Food Science 3 SCH (2-3)

Food preparation designed to consolidate previous food studies and to develop experimental attitudes and techniques. Emphasis is placed on basic scientific principles. Includes fundamentals of quality assurance and the various subjective and objective methods of evaluation.

Prerequisites: CHEM 2421, HSCI 1350.

Fee: \$5.00

HSCI 3353 Medical Nutrition Therapy I 3 SCH (3)

Fundamentals of nutritional assessment techniques and management of diseases of infancy and childhood, diabetes, diseases of the heart, diseases of the upper and lower GI tract. Emphasis on physiology as related to disease and practical application of nutritional support. Includes case studies, practice problems, counseling methods and documentation. Prerequisite: Credit in HSCI2350/HSCI 2150 with a minimum grade of "C".

HSCI 3363 Med Nutrition Therapy II 3 SCH (3)

Advanced study of medical nutrition therapy. Course includes fundamentals of enteral and parenteral support and study of physiology as related to acute and chronic kidney disease, surgery, liver disease and acid/base balance. Prerequisites: Credit in HSCI 2350/HSCI 2150, HSCI 3353 with a minimum grade of "C".

HSCI 3370 Trends Issues Human Sci (WI) 3 SCH (3)

Historic issues and contemporary trends in human sciences; philosophical base of family and consumer sciences. Prerequisites: ENGL 1301 and ENGL 1302.

HSCI 4300 Problems in Human Science 1-3 SCH (1-3)

Guided independent study in one of the program areas in human sciences. Prerequisites: junior or senior standing in human sciences, consent of the department chair. May be repeated for a maximum of 6 semester hours of credit.

HSCI 4302 Honors Tutorial 1-3 SCH (1-3)

Guided independent study and research in the student's selected major in human sciences. Prerequisites: junior and senior standing, 3.25 GPA, completion of at least 15 semester hours in human sciences and consent of instructor. May be repeated for a maximum of 6 semester hours of credit.

HSCI 4310 Occupational Fam and Consumer 3 SCH (3)

Analysis of occupational programs which are designed to meet needs of special populations; projects are designed for specialized laboratory settings and the workplace environment. Observations of occupational programs are included. Prerequisites: junior standing and completion of 9 semester hours of human sciences course work.

HSCI 4311 Pro Applications in Occ Fam 3 SCH (3)

Classroom study and application of skills through field experiences in the occupational areas of human sciences; institutional maintenance; hospitality services; food production management and services; services for the elderly; child care and guidance management; fashion design; apparel and textiles production and management; housing, home furnishings and equipment management; production and services. Prerequisite: junior standing.

HSCI 4312 Mthds and Teach Strat in Fam 3 SCH (3)

Principles of teaching the various subject matter areas in family and consumer sciences, including food science and nutrition, to secondary students, out-of-school youth and adults. Emphasis is on program planning; development and evaluation; curricula and other teaching materials; department management, recordkeeping and reporting. Prerequisites: junior standing.

HSCI 4320 The Family in Later Life 3 SCH (3)

Family-oriented problem solving and its relation to major gerontological issues such as intergenerational struggles, independence, loneliness, alternative living arrangements; an examination of family kinship patterns in later life; relationships with spouse, adult children and siblings. Prerequisite: junior standing.

HSCI 4321 Family Resource Management 3 SCH (3)

Selected areas of interest in home management, consumer economics, housing and household equipment. Students are given the opportunity to solve special problems with families having economic, management, housing or household equipment problems. Prerequisite: junior standing.

HSCI 4322 Family and Consumer Economics 3 SCH (3)

Personal and family problems at various stages of the family life cycle in the use of time, money and energy. Factors affecting the family as an economic unit. Decision making applied to financial problems encountered throughout the family life cycle. Prerequisite: junior standing.

HSCI 4323 Adm of Prog for Dependent Care 3 SCH (2-2)

Principles and practices of administration and supervision in dependent care settings. Patterns of organization and environment planning, program development, staff relationships and development, personnel and business practices. Observation and participation required. Prerequisite: 6 semester hours of human development and family studies courses.

Fee: \$5.00

HSCI 4330 Promo Strats in Merchandising 3 SCH (3)

Overview of promotional activities as they support the merchandising function; emphasis on planning, creating and evaluating visual displays and other promotional materials. Prerequisite: ARTS 2313 or ITEN 1311.

HSCI 4331 Clothing in Society 3 SCH (3)

An exploration of the sociological, economic, psychological and cultural aspects of wearing apparel. Prerequisite: PSYC 2301 or SOCI 1301.

HSCI 4332 Qualitative Buying Methods 3 SCH (3)

An exploration of the buying function and differences in buyers' responsibilities in various types of merchandising organizations. Topics include buying-selling cycles, stocking merchandise, assortment planning, merchandise resources, vendor relations, negotiating, pricing and development of import marketing programs. Prerequisite: HSCI 3332.

HSCI 4333 The Fashion Industry 3 SCH (3)

Factors that influence acceptance or rejection of apparel, with emphasis on the process by which fashion apparel is developed and distributed; role and responsibilities of merchandisers in development and distribution of fashion goods. Prerequisites: junior standing and MKTG 3361 or HSCI 3332.

HSCI 4334 Global Issues in Textiles 3 SCH (3)

Study of the economic importance of the textile and apparel industry from a global perspective.

HSCI 4335 Flat Pattern 3 SCH (1-4)

Drafting of apparel patterns and incorporating construction techniques. Using apparel drafting tools and techniques to create original garments. Prerequisite: HSCI 2335.

HSCI 4336 Apparel Product Development 3 SCH (3)

Consumer behavior and merchandising, exploring the acceptance or rejection of apparel, with emphasis on the process by which fashion apparel is developed and distributed. Prerequisite: HSCI 3336.

HSCI 4339 Fashion Entrepreneurship 3 SCH (3)

Prepare individuals for the steps involved in opening their own retail store. Information on entrepreneurship provided with emphasis on activities necessary in the completion of a business plan. Prerequisites: ACCT 2301, ECON 2301, HSCI 1330.

HSCI 4340 Hist Structures and Interiors 3 SCH (3)

Survey of period design in architectural structures, interiors and furnishings from antiquity through the present. Prerequisite: junior standing [or completion of ^Visual/perofrming arts].

HSCI 4351 Foods and Nutrition I 3 SCH (3)

Study of the influence of socioeconomic, cultural and psychological trends, issues and other impacts on food and nutrition behaviors of individuals and communities.

HSCI 4352 Foods and Nutrition II (WI) 3 SCH (3)

Global overview of agencies from community to international levels with emphasis on planning, marketing, implementing and evaluating nutrition programs. Prerequisite: Credit in HSCI 2350/HSCI 2150, HSCI 3353 with a minimum grade of "C".

HSCI 4360 Quantity Food Prepn & Mgt 3 SCH (1-4)

Meal planning, food purchasing and preparation of food in large quantities. Introduction to systems management and employer-employee relations. Prerequisites: Credit in HSCI 1350 with a minimum grade of "C". Fee: \$5.00

HSCI 4366 Adv Inst Foodservice Mgt 3 SCH (3)

Advanced studies in institutional foodservice administration including computer applications in foodservice management. Prerequisites: Credit in HSCI 4360 with a minimum grade of "C".

HSCI 4367 Advanced Nutrition I 3 SCH (3)

Study of nutrients and their relation to the chemistry and physiology of the human body, including metabolism of energy and macronutrients in chronic diseases. Analysis and interpretation of current nutrition research. Prerequisites: CHEM 1312, CHEM 1112, credit in HSCI 2350/HSCI 2150 with a minimum grade of "C", or permission of instructor.

HSCI 4368 Advanced Nutrition II 3 SCH (3)

Study of nutrients and their relation to the chemistry and physiology of the human body, including regulatory nutrients and micronutrients and homoestatic maintenance in chronic diseases. Analysis and interpretation of current nutrition research. Prerequisites: Credit in HSCI 4367 with a minimum grade of "C", or permission of instructor.

HSCI 4370 Sem: A Capstone Experience 1-3 SCH (1-3)

Seminar focusing on the integration of the Human Sciences specializations to meet the needs of individuals and families. Leadership; ethics; public policy at local, state, national and international levels; contemporary social issues that affect individuals and families; a capstone course where students work in teams representing various specializations to integrate concepts of problem solving. Prerequisite: senior standing.

HSCI 4601 Practicum in Human Sciences 3-6 SCH (3-6)

Supervised work experience in a setting appropriate to the student's specialization within human sciences. Prerequisites: senior standing and at least 24 semester hours in human sciences. May be repeated for a maximum of 6 semester hours of credit.

HSCI 4610 Directed Teaching in Family 6 SCH (6)

Supervised student teaching in family and consumer sciences programs in selected high schools. Full-day, Monday through Friday, laboratory experience for at least 10 weeks; scheduled seminars on university campus. Prerequisites: HSCI 4312, overall GPA of 2.5, senior standing. Students are expected to furnish their own transportation for directed teaching.

Degree Requirements

Majors

- Human Sciences, B.S. - Family and Consumer Sciences Education Leading to Teacher Certification (<https://catalog.tamuk.edu/undergraduate/agriculture-natural-resources-human-sciences/human-sciences/human-sciences-bs-family-consumer-education-leading-teacher-certification>)
- Human Sciences, B.S. - Fashion Merchandising (<https://catalog.tamuk.edu/undergraduate/agriculture-natural-resources-human-sciences/human-sciences/human-sciences-bs-fashion-merchandising>)
- Human Sciences, B.S. - Human Development and Family Studies (<https://catalog.tamuk.edu/undergraduate/agriculture-natural-resources-human-sciences/human-sciences/human-sciences-bs-development-family-studies>)
- Human Sciences, B.S. - Human Nutrition (<https://catalog.tamuk.edu/undergraduate/agriculture-natural-resources-human-sciences/human-sciences/human-sciences-bs-nutrition>)