

# College of Human Environmental Sciences

**Patricia K. Knaub, Ph.D.,** *Dean*

**Margaret J. Weber, Ph.D.,** *Associate Dean for Research and Graduate Studies*

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Interdisciplinary, multicultural and global in perspective, the College programs link knowledge of individual development and environmental quality. The College's graduates are prepared for people-centered professions that develop solutions to many of today's most pressing issues. These issues include promoting and contributing to human development and family functioning, improving nutrition and health, designing and managing environments that address human needs where people live, work and play, and effectively managing and delivering products and services critical to the betterment of the environment.

The College of Human Environmental Sciences (CHES) is composed of three departments-Design, Housing and Merchandising; Family Relations and Child Development; and Nutritional Sciences-and the School of Hotel and Restaurant Administration. Each science-based program focuses on the reciprocal relationship between people and their natural, constructed or social environments. Graduates pursue professional careers in business, health, communications, education, international service, research, social welfare and a variety of agencies, organizations and institutions. Preprofessional options and advisement are offered for students interested in pursuing graduate education in law, medicine, dentistry or in their major fields of study.

## Accreditation

All programs culminating in a B.S. in Human Environmental Sciences are accredited by the Council for Accreditation of the American Association of Family and Consumer Sciences. In addition, specialized agencies have approved or accredited specific programs in the College as follows: The Foundation for Interior Design Education Research

(FIDER) has accredited the undergraduate interior design program. The American Dietetic Association (ADA) has approved the Dietetic Internship and the Didactic Program in Dietetics (DPD). The Child Development Laboratory is licensed by the state of Oklahoma, Department of Human Services. The School of Hotel and Restaurant Administration is accredited by the Accreditation Commission for Programs in Hospitality Administration (ACPHA). The master's level program in marriage and family therapy is accredited by the American Association of Marriage and Family Therapists (AAMFT).

## Academic Advising

The CHES Office of Undergraduate Programs and Services provides advisement for all freshmen enrolling in the College and coordinates advising in the College. When a student has identified a major area of study, the student transfers to the department of his or her choice. The student is assigned a faculty adviser in that department.

Each student is advised in the planning and scheduling of his or her course work. Advising sessions include discussions on career choice and internship opportunities. The student is encouraged to maintain a close relationship with the adviser throughout the college career and to visit the adviser at times other than enrollment when only brief meetings may be possible. Students are also encouraged to participate in the Career Empowerment Opportunities (CEO) program.



## Scholarships

Oklahoma State University has an extensive scholarship program for entering freshmen, and applications should be sent to the University Scholarships Office by February 1. College of Human Environmental Sciences scholarship applications are due for continuing students in January and scholarship awards are made in April. Freshmen and transfer student scholarships are awarded prior to the fall semester. Criteria for and the amount of the scholarship awards vary.

## Academic Programs

**Undergraduate Programs.** The Bachelor of Science in Human Environmental Sciences degree is offered by three departments and one school of the College. The majors are:

*Design, Housing and Merchandising*, with options in apparel design, apparel merchandising and interior design.

*Family Relations and Child Development*, with options in early childhood education, individual, family and community services, and a preprofessional program with options in child development, youth and adult, or gerontology.

*Hotel and Restaurant Administration*, with options in hotel administration and restaurant management.

*Nutritional Sciences*, with options in human nutrition and dietetics.

A minor may be pursued in some of the College's programs.

Additional details about specific requirements in any of the departments or in the School may be obtained by contacting the specific offices.

**Graduate Programs.** The Master of Science degree is available in design, housing and merchandising; family relations and child development; hospitality administration; and, nutritional sciences.

Students seeking admission to a master's degree program in any of the departments must have completed 30 semester credit hours in human environmental sciences or closely-related subject matter. A student with background deficiencies must compensate for such deficiencies before completing the master's degree. Evidence of academic ability (a 3.00 GPA or above) in undergraduate work and Graduate Record

Examination (GRE) scores are required. The plan of study for a master's degree student is individually planned to develop academic excellence specific to the student's career goals. The master's degree requires a minimum of 30 semester credit hours including a six-hour thesis or 32 semester credit hours including a report or creative component. The selection and organization of courses are made in consultation with the adviser and the student's advisory committee. At least 21 semester credit hours must be completed in courses numbered 5000 or above.

The *Doctor of Philosophy* degree is an interdisciplinary degree program through the College in conjunction with the departments of Design, Housing and Merchandising, Family Relations and Child Development, and Nutritional Sciences in the College of Human Environmental Sciences. Individualized programs lead to an area of specialization in any one of the departments. Admission to the program is based upon evidence that the applicant meets general requirements of the Graduate College, has demonstrated superior achievement, and can successfully complete a doctoral program, as evidenced by letters of recommendation, GRE scores, a 3.50 GPA, and a philosophy statement and goals. Applications are reviewed by a graduate faculty committee in the department. This program offers an interdisciplinary combination of courses and research experiences.

A minimum of 60 semester credit hours beyond the master's degree is required for the Ph.D. degree.

The Ph.D. degree prepares individuals to be researchers and educators for research positions in universities, business and industry, for university teaching and for administrative or management level positions.

The *Doctor of Philosophy* degree in food science is an interdisciplinary program available through the Department of Nutritional Sciences in cooperation with other University graduate programs.

## Departmental Clubs and Honor Societies

American Society of Interior Design Student Chapter

Apparel, Merchandising, and Design Association

CHES Ambassadors

CHES Freshman Council

CHES Graduate Student Association

CHES Student Council

Club Managers Association of America

Eta Sigma Delta (hotel and restaurant administration honor society)

Family Relations and Child Development Club

High Society Catering

Hotel and Restaurant Society

International Facility Management Association Student Chapter

Kappa Omicron Nu (scholarship and leadership honor society)

Nutritional Sciences Club

Phi Upsilon Omicron (scholarship and leadership honor society)

Sigma Phi Omega (gerontology honor society)

# Design, Housing and Merchandising

Professor and Head Donna H. Branson, Ph.D.

The mission of the Department of Design, Housing and Merchandising is to continuously improve the development and delivery of future-oriented, integrated instruction, research and extension programs in design, housing and merchandising that focus on the individual-environment interaction, that are globally oriented, scientifically based and that enhance the quality of life in a socially responsible manner. Three undergraduate options are available: interior design, apparel merchandising and apparel design.

Students in *interior design* are preparing for careers as professionals who assist families and businesses in planning interior spaces and solving problems relative to the function and quality of interior living and work space. Course work includes fundamentals of design, design analysis, space planning and programming, design of interior space, CAD and related aspects of environmental design. Career opportunities include professional practice in interior and architectural firms, historic restoration and preservation, product design and sales, and facility management. The Foundation for Interior Design Education Research (FIDER) has accredited the undergraduate interior design program.

Students in *apparel merchandising* are preparing for careers with major firms in the apparel and related retail fields. The focus is on developing competencies associated with merchandising and management in the apparel industry. Course work includes retailing, marketing, merchandise planning and analysis, buying practices, promotion, visual mer-

chandising, fashion and market trend analysis, and international sourcing. Career opportunities include merchandise manager, merchandise sourcing specialist, visual merchandiser, fashion coordinator, mall manager, and manufacturer's representative.

Students in *apparel design* are preparing for careers in the apparel and textiles industry. The program emphasizes the integration of design principles, fabrication, the needs and desires of the ultimate user, and mass production capabilities toward creation and production of apparel or accessory items. Course work includes principles of design, apparel production, functional apparel design, properties and performance evaluation of textiles, pattern making, CAD and entrepreneurship. Career opportunities include fashion and functional designer, apparel engineer, product development specialist, accessory designer, pattern maker, pattern company or manufacturer's representative, and textile designer.

Students in all three options will develop business management, communication, creative problem solving and administrative skills. An internship is required for all undergraduate students. Minors are available in apparel merchandising and apparel design.

## Graduate Programs

The Department of Design, Housing and Merchandising offers graduate work leading to the Master of Science in design, housing and merchandising and the Doctor of Philosophy in human environmental sciences degrees. The programs are scientifically based and research oriented. Graduate degrees in the department are tailored to departmental areas of expertise, professional goals of the candidate and College of Human Environmental Sciences and Graduate College requirements. Graduate programs may focus on either *merchandising* or *environmental design*. Students may investigate environmental design and merchandising from the following perspectives: product development and evaluation, consumer and supplier behavior, business development and management, and constructed environmental and individual interrelationships.

**The Master of Science Degree.** The Master of Science degree is designed to prepare individuals for careers in business, industry, extension and post-secondary or college teaching. The program is built around the academic background, experience, needs, special interests and professional goals of the student. The selection of courses that meet departmental requirements is made in consultation with the advisory

committee. If the undergraduate degree is not in the area of specialization, specific undergraduate courses in design, housing and merchandising will be required as prerequisites. A minimum of 21 credit hours is required in the department. Additional courses may be selected from other areas of human environmental sciences or from supporting areas such as marketing, sociology, communications, and architecture. A thesis or creative component is required of all students.

**The Doctor of Philosophy Degree.** The Ph.D. prepares individuals for research positions in universities, business and industry, for university teaching and for administrative or management level positions. The student will be expected to have a master's degree or equivalent in design, housing and merchandising or in a closely-related area from a college or university of recognized standing. A student may be required to demonstrate competence in the area of specialization and in related areas, and further course work may be required before admission will be granted.

The plan of study is individually determined for the student in cooperation with an advisory committee. Each plan of study will be an integrated combination of courses and research providing for specialization within an area of design, housing and merchandising, including synthesis of knowledge drawn from departments within and outside of human environmental sciences. Emphasis is on attainment of competence rather than on the completion of specific numbers of credits; however, a minimum of 60 credit hours beyond the master's must be completed. Each student will develop competence in the area of specialization which includes courses in the major and the support area. A global or international dimension and a management dimension are included. The program includes a strong emphasis on research and application of statistical procedures.

More detailed information on graduate study in the Department of Design, Housing and Merchandising can be obtained by writing the head of the department.

## Family Relations and Child Development

**Associate Professor and Interim Head**  
Carolyn S. Henry, Ph.D.

Courses in family relations and child development assist men and women in

preparing for people-oriented and service-oriented professions, in preparing teachers, and in developing attitudes and skills that are fundamental to satisfying relationships between people and their physical, constructed, and social environments.

The department has three major goals:

1. To offer professional preparation for graduate and undergraduate students in fields related to human development, early childhood education, family sciences, and marriage and family therapy;
2. To contribute to the available knowledge of human and family development through basic and applied research;
3. To improve the opportunities for all University students to enjoy wholesome and satisfying personal and family lives through an improved understanding of concepts of human development and family sciences.

The department offers undergraduate students five options (1) child development-preprofessional, (2) early childhood education (teacher certification), (3) gerontology-preprofessional, (4) individual, family and community services, and (5) youth and adult-preprofessional. All options emphasize integration of theory and research with practice.

The *child development-preprofessional* option is for individuals planning to continue their education in graduate programs, medical school, law school or other specialized graduate programs. The curriculum focuses on developing skills in critical thinking, scientific investigation, and written and oral communication, in addition to gaining knowledge in child development. It provides a basis for a career as a child development specialist, pediatrician, or family law attorney. This option provides flexibility to accommodate the student's particular area of interest or to meet prerequisites for a professional school.

The *early childhood education-teacher certification* option provides professional preparation for individuals to teach in public school programs for pre-kindergarten through third grade. The option prepares students to design developmentally appropriate curricula for young children. An Early Childhood Education certificate is required to teach pre-kindergarten through kindergarten in Oklahoma public schools.

The *gerontology-preprofessional* option provides education for individuals planning to continue their education in graduate programs, medical school, law school, or other specialized graduate programs. The curriculum focuses on developing skills in critical thinking, sci-

entific investigation, and written and oral communication, in addition to gaining knowledge in gerontology. It prepares a student for a career as a medical field specialist with emphasis in working with the elderly and provides flexibility to accommodate the student's particular area of interest, or to meet prerequisites for a professional school.

The *individual, family and community services* option prepares individuals for careers in providing services to children, youth and adults, and their families. The course content focuses on individual development and family dynamics in the context of the community. Career opportunities are in social service agencies, and in business and industry.

The *youth and adult-preprofessional* option provides education for individuals planning to continue their education in graduate programs, medical school, law school or other specialized graduate programs. The curriculum focuses on developing skills in critical thinking, scientific investigation, and written and oral communication, in addition to gaining knowledge in youth and adult development. It prepares a student for a career as a family counselor, or marriage and family therapist, family law attorney, or medical field specialist with an emphasis in working with families. This option provides flexibility to accommodate the student's particular area of interest or to meet prerequisites for a professional school.

The B.S. degree requires a minimum of 124 semester credit hours. A minor is also available in the department; information on requirements may be obtained from the department head.

## Graduate Programs

Graduate study in the Department of Family Relations and Child Development (FRCD) is designed to prepare students in the creation, dissemination, and application of knowledge that enhances the quality of life for individuals and families. The Department of FRCD offers a marriage and family therapy specialization that is accredited by the Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE) of the American Association for Marriage and Family Therapy (AAMFT). The Child Development Laboratory is licensed by the state of Oklahoma, Department of Human Services. The department has a 50-year history of providing quality graduate education in family relations and child development.

The Department of Family Relations and Child Development offers graduate study leading to the Master of Science degree and the Doctor of Philosophy.

Both the Master of Science degree and the Doctor of Philosophy degree programs develop the theoretical and research foundation for further graduate study or for the application of new knowledge. The graduate programs are tailored to the candidate's professional goals, expertise of faculty members, Department of Family Relations and Child Development, and College of Human Environmental Sciences and Graduate College requirements. Graduate programs are central to the department's research and generation of knowledge efforts. Faculty and students share an obligation to make significant contributions to the store of knowledge and share this knowledge with various audiences.

**The Master of Science Degree.** Admission to the graduate program is selective and based on a variety of criteria including grade-point average, Graduate Record Examination (GRE) scores, letters of recommendation, and student goals. Students need not have majored in family relations and child development but should have 12 upper-division semester credit hours in child or human development, family sciences or closely-related areas. Students not meeting these criteria may be required to complete prerequisite undergraduate courses in order to be fully admitted to the graduate program.

A minimum of 18 credit hours of core departmental course work is required. Depending upon the program area, additional courses are required in each specialization area as described below. Students are admitted into one of the following specializations for the Master of Science degree: (1) child development, (2) family science, and (3) marriage and family therapy.

Beyond the departmental core courses, students within each specialization take course work determined in consultation with their advisers and advisory committees. The child development and family science specializations require a total of 30 semester hours for the thesis option and 36 semester hours, including a written creative component, for the non-thesis option. The marriage and family therapy curriculum is designed to meet the COAMFTE accreditation guidelines and requires 51-60 semester hours.

The *child development* specialization includes courses in child development to provide the background for working with young children and parents. This specialization emphasizes a balance of academic knowledge for current research and theory and opportunities for experience in the child development laboratory or classroom environment. This specialization is designed for individuals who desire further education in child development and is the natural extension of an

early childhood education degree. It provides the background for working with young children in a variety of settings. Students in this specialization gain a core theoretical and research base and could choose to build a program which leads to partial fulfillment of requirements for state certification in early childhood programs, parent education, child development specialist, and curriculum specialist.

The *family science* specialization is designed for students who desire to work with families in family life education, or in family and community service settings, or to pursue doctoral studies in family science. The curriculum provides the research and theoretical foundations and opportunities to develop the professional skills necessary to work in a variety of family-oriented careers or to pursue further graduate studies. Career opportunities include administrator of family and community services agencies, family life educator, family consultant, and parent educator.

The *marriage and family therapy* specialization provides students with basic knowledge, skills and a professional identity essential for entry-level practice of marital and family therapy. This program has restrictive admission requirements and is accredited by the Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE) of the American Association for Marriage and Family Therapy (AAMFT). The curriculum includes course work in individual development, marital and family systems, marital and family therapy, professionalism and ethics, research and statistics and supervised practicum. Graduates practice in controlled settings and under supervision, with methods for determining how couple and family problems develop and can be resolved.

Students completing an M.S. degree in family relations and child development may work toward the Graduate Certificate in gerontology at Oklahoma State University by designing a plan of study that meets the requirements for one of the FRCD specializations and the OSU Graduate Certificate in gerontology requirements. Oklahoma State University is an institutional member of the Association for Gerontology in Higher Education.

**The Doctor of Philosophy Degree.** The Doctor of Philosophy degree is awarded in human environmental sciences with specialization in family relations and child development. The objective of the program is to offer an integrated interdisciplinary combination of courses and research with a specialized focus on family relations or child development. The program is designed to prepare competent researchers and educators who will make contributions to the scientific literature in

child development and family sciences. Throughout the program, students work toward establishing competencies in: (1) an area of specialization within family relations and child development; (2) the design and implementation of research, including computer analysis and contributions to theory development; (3) the ability to function as a member of an interdisciplinary team and to synthesize knowledge from a variety of academic specialties, and, (4) the performance of professional leadership roles within a specific area of specialization.

Admission to the Ph.D. program is selective and requires the completion of an M.S. in family relations, child development or a related area. Admission decisions are based on a variety of criteria including grade-point average (3.00 grade-point average in undergraduate work and 3.50 in previous graduate study preferred; 3.25 in previous graduate study is required), GRE scores (450 or higher in each of the Verbal, Quantitative and Analytical sections preferred), letters of recommendation, student goals, and TOEFL scores (required for students for whom English is a second language, 575 minimum).

Students work with their advisers and advisory committees to develop flexible, yet rigorous programs that meet both degree requirements and the professional needs of specialization within family relations and child development. The program requires 60 hours beyond the master's degree including 18-30 hours in FRCD and supporting areas, 18-30 hours in research methods and statistics, a three hour course in human environmental sciences, and 15 hours of dissertation. Students who did not complete a thesis for the master's degree are required to complete a thesis equivalent project in addition to the minimum 60 credit hours beyond the master's degree.

## Nutritional Sciences

Professor and Head Barbara J. Stoecker, Ph.D.

The Department of Nutritional Sciences prepares graduates for positions in health professions including nutrition and dietetics. Requirements for admission for most medical schools can be met through the *human nutrition* option. The *dietetics* option prepares students for a diverse and dynamic profession that integrates human nutrition, food service administration, food science, chemistry, physiology, management and interpersonal skills.

Two degree options and a minor are offered through the department.

The *dietetics* option meets the Didactic Program in Dietetics (DPD) academic requirements and is approved by the American Dietetic Association. With appropriate electives, minors may be obtained in restaurant administration, business administration or wellness. The *human nutrition* option is ideal for students desiring greater depth in the physiological and biochemical sciences in preparation for medical and other professional schools, graduate study and research in human nutrition.

When students successfully complete the academic requirements (DPD) and experience component (dietetic internship) they are eligible to write the Registration Examination for Dietitians which is administered in April and October each year by the American Dietetic Association. Individuals who are successful on the examination become registered dietitians and are entitled to use the initials "RD." to signify professional competence. Many states including Oklahoma also require a license to practice dietetics in the state.

Nutrition professionals work in a wide range of settings, in both the public and private sector and assume an array of challenging responsibilities. Career opportunities for a registered/licensed dietitian include: health care dietitian and administrator, nutrition or food science researcher, fitness/wellness consultant, food service design consultant, dietary products or equipment representative, public health nutritionist, entrepreneur in dietetic programs and services, and corporate dietitian/nutritionist.

Some of the specialized careers and college teaching require additional course work or advanced degrees.

The dietetic internship at Oklahoma State University requires prior completion of the DPD requirements and meets the American Dietetic Association's supervised practice requirements for registration eligibility. Its mission is to provide students with the knowledge and skills necessary to practice as an entry-level dietitian.

All students admitted to the internship must be enrolled concurrently in the graduate program of the Department of Nutritional Sciences. Students successfully completing the program may, if desired, continue to work toward a graduate degree and may apply graduate course work from the internship to their degree programs.

## Graduate Programs

**The Master of Science Degree.** Admission to the graduate program is selective

and is based on a variety of factors including grade-point average, Graduate Record Examination (GRE) scores, letters of recommendation and student goals. The master's degree requires a minimum of 30 semester credit hours with six semester credit hours for research and thesis. Students may emphasize human nutrition, food service management, nutrition education, or food science. Each student prepares a thesis which is defended in a final oral examination.

The plan of study is individually planned with an adviser who is designated after entry into the program. An advisory committee gives final approval of the plan.

Students may also apply to the master's internationalist program which combines international experience and language training through the Peace Corps with academic study for an M.S. in nutrition. These students begin their academic study in the summer session to prepare them for their Peace Corps assignments one year later.

**The Doctor of Philosophy Degree.** The Ph.D. degree is awarded in human environmental sciences with specialization in nutritional sciences. To be admitted, applicants will be expected to provide evidence of academic ability and preparation, and a statement of goals and letters of recommendation. An emphasis in human nutrition or in food systems administration and management is available depending on the student's interests and qualifications. The department also participates in OSU's interdisciplinary food science program. To acquire the competencies required, the candidates will need to study in their areas of emphasis and in selected areas within and outside the department.

More detailed information on graduate study in the Department of Nutritional Sciences can be obtained by writing the head of the department.

# School of Hotel and Restaurant Administration

## Professor and Director Raphael R. Kavanaugh, Ed.D., CHA

The School of Hotel and Restaurant Administration is accredited by the Accreditation Commission for Programs in Hospitality Administration (ACPHA), a specialized accrediting body. The mission of the OSU School of Hotel and Restaurant Administration (HRAD) is to provide education, research, and service

in a globally sensitive, scientifically-based advanced level program for hospitality management careers and life-long learning based on ethical principles. This mission is accomplished by implementing instructional and operational components in the curriculum identified by industry leaders as requirements for success. The academic program is delivered with balanced emphasis on scientific principles and practical business applications. The school has a reputation for providing qualified and skillful managers in lodging, restaurants, clubs and institutional food service settings. An educational facility of more than 22,500 square feet houses laboratories, classrooms, exhibit areas and faculty offices. Specific accommodations include: hotel lobby with front desk and reservation system, quantity food preparation areas with state-of-the-art commercial equipment and diverse methods of meal preparation; dining room management and table service laboratory; two fast-food service laboratories for multi-unit fast-food operations; laboratory for computer management information systems; basic food preparation laboratory; classroom and demonstration area; and project room.

Career opportunities include tourism, food service operations, personnel administration, labor relations, sales and promotion, accounting, front office and general management positions. Positions as regional directors for lodging, restaurant, industrial, and fast food management chains are additional possibilities. Airline catering, vending and individual restaurant entrepreneurship are excellent career areas.

To meet the needs of the industry and provide sound academic preparation at the undergraduate level, the curriculum emphasizes professional and general education. The professional area includes courses in accounting, law, finance, communications, economics, marketing and personnel management. Courses in service management, food and beverage purchasing and control, layout and design, sales and promotion, front office management, tourism, and advanced hotel and restaurant management are also included in the specialized area. General requirements are met through courses in English, the natural and social sciences, humanities, political science, history and government, mathematics and computer application. The B.S. degree with an option in hotel administration or restaurant management may be earned by completing a minimum of 125 semester hours and maintaining a 2.50 grade-point average for courses required in the major area.

Successful completion of a management internship is required. Internship

placement in hotels, restaurants, and related establishments is arranged globally in cooperation with industry executives and the OSU faculty.

A well-balanced academic high school program is recommended for students interested in hotel or restaurant management as a career. Mathematics, accounting, computer science, English and speech are excellent background courses.

## **Graduate Programs**

**The Master of Science Degree. Admission** to the graduate program in hospitality administration is selective and is based on a variety of factors including grade-point average, Graduate Record Examination (GRE) or Graduate Management Admission Test (GMAT) scores, letters of recommendation and goals of the applicant. Applicants are required to have a bachelor's in hospitality administration or allied field and a minimum of two years of relevant work experience. Prerequisite courses may be required for students with other degrees. The master's degree requires a minimum of 30 semester hours, including six credit hours in HRAD core courses, six credit hours in HRAD specialization courses and six credit hours in guided electives. A six credit hour research thesis is also required.

The plan of study is individually developed with an adviser who is designated after entry into the program. An advisory committee gives final approval of the plan.

Areas of specialization include lodging administration, restaurant management and hospitality education. Competitive graduate teaching and research assistantships, graduate fellowships and tuition fee waivers are available to qualified applicants.