

College of Human Environmental Sciences

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Mission

The College of Human Environmental Sciences advances and applies knowledge of the interaction of people with their environments to develop effective professionals, engaged citizens and visionary leaders who promote the physical, social, and economic well-being of people.

The College of Human Environmental Sciences (CHES) is composed of three departments—Design, Housing and Merchandising; Human Development and Family Science; 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.

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.

Further information may be found on the Internet (ches.okstate.edu/index.htm).

Accreditation

The Foundation of Interior Design Education Research (FIDER) has accredited the undergraduate interior design program. The pre-production and the production management apparel curricula has received approval from the American Apparel and Footwear Association (AAFA), one of only 12 approved four-year programs in North America. The Child Development Laboratory is licensed by the state of Oklahoma Department of Human Services (DHS) and has received a Three Star Differential Quality Certification from DHS. The Child Development Lab is also accredited by the accrediting branch of the National Association for the Education of Young Children (NAEYC). Program approval has been granted to the early childhood education program by the Oklahoma State Board of Education. The early childhood certification program is accredited by the National Council for the Accreditation of Teacher Education (NCATE). The marriage and family therapy program is accredited by the Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE). The didactic program in dietetics (DPD) and the dietetic internship program at OSU are both accredited by the Commission on Accreditation for Dietetics Education (CADE). The American Dietetic Association may be reached at, 120 South Riverside Plaza, Suite 2000, Chicago, IL

60606-6995, 800/877-1600. The School of Hotel and Restaurant Administration is accredited by the Accreditation Commission for Programs in Hospitality Administration (ACPHA).

Academic Advising

The CHES Office of Academic 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 several times during each semester.

Honors

Outstanding students in the College of Human Environmental Sciences who meet the requirements of The Honors College may earn The Honors College Degree while completing their undergraduate degree in this college. For more information, refer to "The Honors College" section of this *Catalog*.

College Honors are earned at the upper division (3000- and 4000-level classes) in the student's major and are one of the requirements for receiving a bachelor's degree with honors. Students with 7-59 hours must have a 3.25 cumulative GPA. Students with 60-93 credit hours must have a 3.37 cumulative GPA. Students with 94 or more credit hours must have a 3.50 cumulative GPA. College honors requires HES 4000 Honors Seminar, six hours of upper-division honors credit in the department and three hours of honors thesis or creative component. For further information on The Honors College, refer to the "Special Programs, Services and Facilities" section of this *Catalog*.

Career Services

Students in CHES have the benefit of a Career Services office designed specifically to serve them. CHES Career Services offers students opportunities to explore traditional and nontraditional careers. Students interview with business and industry representatives, participate in career empowerment workshops, learn of part-time job opportunities related to their areas of study, and identify internship experiences. For students considering graduate or professional school, there are tools and contacts to aid them in finding programs. CHES Career Services provides a link to the University Career Services, and makes students aware of the resources available throughout campus, such as resumes on-line, on-campus interviews, career fairs, career and skill assessments, and many others.

Scholarships

Oklahoma State University has a scholarship program for entering freshmen, and applications should be sent to the Scholarships and Financial Aid 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 degrees within the College of Human Environmental Sciences are offered by three departments and one school. The majors are:

Design, Housing and Merchandising (DHM), with options in apparel design and production, merchandising and interior design.

Human Development and Family Science (HDFS), with options in early childhood education, and child and family services.

Hotel and Restaurant Administration (HRAD).

Nutritional Sciences (NSCI), with options in dietetics, foods and nutrition, and human nutrition/premedical sciences.

An international studies minor is available through the College of Human Environmental Sciences. A combination of language courses, internship/study abroad experience, and completion of International Dimension courses (General Education designated) is required in order to receive the international studies minor designation. In addition, other subject-focused minors are available

through the three departments and the one school within the College of Human Environmental Sciences. Details regarding these minors may be obtained by contacting the appropriate programs.

Transfer Student Admission Requirements. Students transferring into the College of Human Environmental Sciences from another institution or another college at OSU must have a retention GPA of 2.00 or higher unless otherwise specified by a CHES department or school (see DHM and HDFS transfer admission requirements).

Master's Programs. The Master of Science degree is available in design, housing and merchandising; human development and family science; hospitality administration; and nutritional sciences.

The Master of Science degree in Human Environmental Sciences, offers a specialization in nutritional sciences. This degree requires a minimum of 36 hours and includes a creative component, rather than a thesis.

Students seeking admission to a master's degree program in any of the departments must be qualified graduates of colleges and universities of recognized standing. In addition those seeking admission 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 admission to the master's program. Graduate Record Examination (GRE) scores are required by master's programs within the HDFS and NSCI departments. The DHM department requires only the written portion of the GRE. The School of HRAD encourages submission of GRE/GMAT/MAT scores as an important reference for admission consideration. In addition, a 3.00 GPA or higher is required for admission. The plan of study for a master's degree student is individually planned to develop academic excellence specific to the student's career goals. Refer to descriptions of specific master's degree programs for each department or school. 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.

Online Master's Programs. The Master of Science degree in Human Environmental Sciences offers an option in family financial planning (FFP). This program is offered online by the Great Plains Interactive Distance Education Alliance (Great Plains IDEA), of which OSU is a member. The FFP master's degree requires 42 credit hours and prepares a student to

take the Certified Financial Planner exam. The graduate certificate in family financial planning requires 18 credit hours.

The natural and applied sciences master's program with an option in gerontology is offered through the College of Human Environmental Sciences. The online version of the program requires 36 credit hours and the graduate certificate requires 21 credit hours.

For information on the online master's programs, contact the Office of Academic Programs and Services.

Doctoral Program. The *Doctor of Philosophy* degree is an interdisciplinary degree program through the College in conjunction with the departments of Design, Housing and Merchandising, Human Development and Family Science, Hotel and Restaurant Administration, 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 each department or school. This program offers an interdisciplinary combination of courses and research experiences. The program includes a strong emphasis on research and application of statistical procedures, as well as having students gain experience in resource generation, knowledge, sharing, and community engagement.

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 Designers Student Chapter
CHES Ambassadors
CHES Scholar Leaders
CHES Student Council

Club Managers Association of America
 Eta Sigma Delta (hotel and restaurant
 administration honor society)
 Graduate Students in HES Association
 Hospitality Administration Graduate Stu-
 dent Association
 Hospitality Society
 Human Development and Family Science
 Club
 International Facility Management Asso-
 ciation Student Chapter
 Kappa Omicron Nu (scholarship and
 leadership honor society)
 Merchandising and Apparel Design
 Association
 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 (DHM) is to continuously improve scientifically based and technologically supported curricula, research and outreach programs focusing on the development of solutions to contemporary and emerging problems within a framework of ethical and social responsibility. Three undergraduate options are available: interior design, merchandising, and apparel design and production.

Students in *interior design* are preparing for careers as professionals who assist businesses and families 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, computer-aided design (CAD) and related aspects of environmental design. Students must pass the Proficiency Review Process to be accepted into the professional level interior design program. Upon acceptance, students are expected to have their own computer with sufficient capacity for graphics software used in the profession. Career opportunities include professional practice in interior and architectural firms,

historic restoration and preservation, product design and sales. The Foundation for Interior Design Education Research (FIDER) has accredited the undergraduate interior design program.

Students in *merchandising* are preparing for careers with major firms in the apparel, interiors and related retail fields. The focus is on developing competencies associated with merchandising and management for the softgoods retail industry. Course work includes retailing, marketing, merchandise planning and analysis, buying practices, promotion, visual merchandising, fashion and market trend analysis, quality assurance and international sourcing. Career opportunities include retail manufacturing management, merchandise sourcing manager, retail planner/analyst, visual merchandiser, mall management, product development, entrepreneur account executive, and manufacturer's representative.

Students in *apparel design and production* are preparing for careers in the apparel, textiles, and sewn products 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 sewn products. Course work includes principles of design, apparel production, quality assurance, visual presentation techniques, properties and performance evaluation of textiles, pattern making, CAD and entrepreneurship. Students must pass the Proficiency Review Process at the end of their sophomore year to be accepted into junior-level studio courses. The American Apparel and Footwear Association (AAFA) has approved the Pre-Production (design) and Production Management undergraduate curricula, making OSU one of only 12 universities in North America recognized with an AAFA approved four-year apparel program. Career opportunities include fashion and functional designer, apparel engineer, product development manager, accessory designer, pattern maker, pattern company or manufacturer's representative, textile designer, sourcing manager, quality assurance manager, and production manager.

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 merchandising and apparel design and production.

Admission Requirements

Transfer students must meet the following minimum retention GPA requirements in order to be admitted to the DHM undergraduate program:

Hours Completed	Minimum GPA Requirement
Less than 31 hours	2.00
31-45 hours	2.25
Over 45 hours	2.50

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 *design*. Students may investigate 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. Students applying for the graduate program in DHM must complete the writing portion of the GRE as one admission requirement.

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. A student may choose the thesis, creative component or course work-only creative activity option. Programs of study are 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.

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 and merchandising, including synthesis of knowledge drawn from departments within and outside of human environmental sciences. Emphasis is on attainment of competencies 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. An international and management dimension are included.

The program includes a strong emphasis on research and application of statistical procedures, as well as having students gain experience in resource generation, knowledge sharing, and community engagement.

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

Human Development and Family Science

Associate Professor Head Kathleen Briggs, Ph.D.

The Department of Human Development and Family Science (HDFS) is a premier academic program dedicated to the discovery, integration and application of knowledge to enhance the quality of life and competence of diverse individuals and relationships. The department's primary focus is on integrative approaches to developing and maintaining individual and relationship competence. The distinguishing feature of HDFS is the interdisciplinary and multidisciplinary integration of instruction, research and application between and among human development, family science, early child-

hood education and marriage and family therapy.

Courses in human development and family science 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.

Committed to enhancing the quality of life of individuals and families by maximizing the developing of individual and relationship competence, the Department of Human Development and Family Science provides a dynamic environment for life-long learners through engagement in:

Instruction that fosters creative and critical thinking for individuals in their professional and personal lives;

Research that contributes to the discovery of knowledge and understanding of human development and family relationships; and

Application of knowledge that is responsive to and informed by constituents' needs.

The department offers undergraduate students options in early childhood education and child and family services at both Stillwater and Tulsa campuses. Both options emphasize integration of theory, research policy and practice.

The *early childhood education—teacher certification* option provides professional preparation for individuals to teach in public school programs for pre-kindergarten through third grade. This option provides a foundation in child development to prepare students to design, implement and evaluate developmentally appropriate curricula for young children. It also provides preparation for working with infants through preschool and families in a variety of settings.

An *early childhood education* certificate is required to teach pre-kindergarten through kindergarten in Oklahoma public schools. All students completing the *early childhood education* option must meet Oklahoma State University with Oklahoma professional education requirements. Criteria for students wishing to transfer into the *early childhood education* option include a required minimum retention grade-point average.

<i>Hours Completed</i>	<i>Minimum GPA Requirement</i>
Less than 31 hours	2.00
31-45 hours	2.25
Over 45 hours	2.50

The *child and family services* option prepares individuals for careers in providing services and leadership to children, youth and adults, and their families.

The course content focuses on individual development, family dynamics, policy, management and professional skills in the context of the community. Career opportunities are in public and private social services agencies, policy and advocacy centers, and in business and industry. The individual, family and community services option is available on both the OSU-Stillwater and OSU-Tulsa campuses.

This option also 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. Students are prepared for advanced education in such areas as family therapy, child life specialist, medicine, physical therapy, gerontology, law and psychology. 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 office. Articulation agreements between Oklahoma State University and Tulsa Community College provide for a seamless transition toward a baccalaureate degree in human development and family science undergraduate options.

Further information may be found on the Internet (ches.okstate.edu/hdfs).

Graduate Programs

Graduate study in the Department of Human Development and Family Science (HDFS) is designed to prepare students in the creation, dissemination, and application of knowledge that enhances the quality of life for individuals and families. The marriage and family therapy specialization 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 and is accredited by the National Association of Young Children. The department has a 50-year history of providing quality graduate education in human development and family science.

The Department of Human Development and Family Science 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 pro-

grams 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 Human Development and Family Science, 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. The master's degree in HDFS has four specializations: child development, early childhood education, family science and marriage and family therapy. 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, student goals, and TOEFL scores (required for students for whom English is a second language, 575 minimum). 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: child development, family science, and 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 minimum of 30 semester hours for the thesis option and 36 semester hours, including a written creative component, for the non-thesis option. The early childhood specialization requires a minimum of 39 semester hours for either the thesis or 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 special-

ization 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 that leads to partial fulfillment of requirements for state certification in early childhood programs, parent education, child development specialist, and curriculum specialist.

The *early childhood education* specialization emphasizes child development as a foundation for the study and practice of professional education for children under age eight. Students take course work related to professional practice in early childhood education including models and programming in early childhood education; curriculum; diversity; administration, policy and advocacy; and assessment. Students complete a field experience in early childhood education as a part of the degree program. The program is designed to meet the M.S. needs for: (a) educators who desire to extend their background in current early childhood education issues or (b) others with education or social science backgrounds who desire to develop a background in applying child development knowledge to the study and practice of professional education for children under age eight. The M.S. specialization in early childhood education is available on both the OSU-Stillwater and OSU-Tulsa campuses.

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 is accredited by the Commission on Accreditation for Marriage and Family Therapy Education. This program has restrictive admission requirements. 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. Students design plans of study that meet both the requirements for a degree in one of the HDFS specializations and the gerontology certificate. The certificate allows students to receive specialized instruction, experience and research opportunities working with older adults. 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 human development and family science. The objective of the program is to offer an integrated interdisciplinary combination of courses and research with a specialized focus on family or child development sciences. The program is designed to prepare competent researchers and educators who will make contributions to the scientific literature in child development and family sciences. This program provides intensive mentoring with individual faculty so that the students can tailor their studies to meet specific interests and needs. The program includes a strong emphasis on research and application of statistical procedures, as well as having students gain experience in resource generation, knowledge sharing, and community engagement.

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 human development and family science. Under the direction of doctoral advisory

committees, Ph.D. students design a plan of study that provides opportunities to develop competencies in sharing knowledge, generating knowledge, community engagement, and resource generation. The program requires a minimum of 60 hours beyond the master's degree including 18-30 hours in HDFS 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 Interim Head Cheng-i Wei, Ph.D.

The Department of Nutritional Sciences promotes human health and quality of life through scholarly achievements and mentors the continuing development of professionals in the fields of nutrition, dietetics and food.

The Department of Nutritional Sciences prepared graduates for positions in health professions including nutrition and dietetics. Three degree options and a minor are offered through the department. Requirements for admission to most medical, dental, and pharmacy schools can be met through the *human nutrition/pre-medical sciences* option. 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.

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.

This option meets the Didactic Program in Dietetics (DPD) and is approved by the American Dietetic Association (ADA). The department requires a minimum of a 2.50 GPA for enrollment in professional courses in dietetics. With appropriate electives, minors may be obtained in areas such as business administration or health and human performance.

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.

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

The *foods and nutrition* option is for students who desire to work in the field of foods and nutrition but do not plan to become a registered dietitian or apply to a professional school. This option provides emphasis areas for students interested in other allied health careers, in nutrition and exercise science, in community/international nutrition or in food product development. Career opportunities include dietary products or pharmaceutical sales, cooperative extension specialist, nutrition educator and food scientist for industry.

Nutrition professionals work in a wide range of settings, in both the public and private sectors 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, public health nutritionist, entrepreneur in dietetic programs and services and corporate dietitian/nutritionist.

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

All students admitted to the internship must be enrolled concurrently in an appropriate graduate program. 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.

Further information may be found on the Internet (ches.okstate.edu/nsci).

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 that 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.

Students in the M.S. in human environmental sciences may complete a specialization in nutritional sciences. The HES master's degree requires a minimum of 36 semester hours including a creative component. In addition to course work in nutritional sciences, a student in consultation with the advisory committee selects a support area in education, public health, gerontology or management, in addition to directed electives.

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 program includes a strong emphasis on research and application of statistical procedures, as well as having students gain experience in resource generation, knowledge sharing, and community engagement. The department also participates in OSU's interdisciplinary food science program at the M.S. and Ph.D. levels. 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 graduate coordinator, or from searching the Internet (www.okstate.edu/hes/nsci).

School of Hotel and Restaurant Administration

Professor and Director
Patrick J. Moreo, 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 superior learning, applications, research, service, and outreach in a professional and caring environment. This mission is accomplished by implementing theoretical and practical components in the curriculum identified by industry leaders as requirements for success. The academic program is delivered with balanced emphasis on management principles and practical hospitality business applications. The school has a reputation for providing qualified and skilled managers in lodging, restaurants, clubs and noncommercial service settings. The HRAD curriculum provides an academic and practical foundation for individuals interested in attending culinary school following graduation. An educational facility of more than 22,500 square feet houses laboratories, classrooms, exhibit areas and faculty offices. Specific accommodations include: quantity food preparation areas with state-of-the-art commercial equipment and diverse methods of meal preparation; two dining room management and table service laboratories; quick service laboratory for multi-unit fast-food operations; basic food preparation laboratory; classroom and demonstration area; and project room. The School also operates The Atherton Hotel at OSU. The 80-room hotel also serves as a teaching laboratory.

Career opportunities include restaurant 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 excellent possibilities. Airline catering, vending and individual restaurant entrepreneurship are additional 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 and economics.

Courses in service management, food and beverage production, purchasing and control, facility management and design, sales and promotion, front office management, and advanced hotel and restaurant management are also included in the specialized area. The B.S. degree with a major in hotel and restaurant administration may be earned by completing a minimum of 120 semester hours and achieving a "C" grade in courses required in the major area and in the professional electives. Several specializations in hospitality management are available.

Successful completion of an industry work experience and 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.

Further information may be found on the Internet (ches.okstate.edu/index.htm).

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 undergraduate grade-point average, industry work experience, letters of recommendation and goals of the applicant. Applicants are required to have a bachelor's degree in hospitality and tourism administration or allied field. Prerequisite courses may be required for students with undergraduate degrees in areas other than hospitality and tourism administration. The master's degree requires a minimum of 31 credit hours for the thesis option or 33 credit hours including a creative component.

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.

Competitive graduate teaching and research assistantships, graduate fellowships and tuition fee waivers are available to qualified applicants.

The Doctor of Philosophy Degree. The Ph.D. is awarded in human environmental sciences with specialization in hospitality and tourism administration. This program focuses on research and prepares researchers, educators and practitioners to make contributions to hospitality higher education and the literature in the hospitality field. The doctoral program requires a minimum of 60 hours beyond the M.S. degree. The program includes a strong emphasis on research and application of statistical procedures, as well

as having students gain experience in resource generation, knowledge sharing, and community engagement.

More detailed information on graduate study in the School of Hotel and Restaurant Administration can be obtained by writing the director of the School.