

College of Human Sciences

College Administration

Stephan M. Wilson, PhD, CFLE—Dean
 Jorge Atiles, PhD—Associate Dean for Extension and Engagement
 Christine Johnson, PhD—Associate Dean for Research and Graduate Studies
 Shiretta Ownbey, PhD—Associate Dean for Academic Programs and Services
 Ben Goh, EdD—Assistant Dean

Campus Address and Phone:

101 Human Sciences, Stillwater, OK 74078
 405.744.5053

Website: humansciences.okstate.edu

Mission

The College of Human Sciences advances and applies knowledge while developing effective professionals, engaged citizens and visionary leaders who promote the physical, social and economic well-being of people.

Vision

The College of Human Sciences will be a world leader in the discovery and application of knowledge, preparing the next and upcoming generations of professionals who advance the quality of life.

The College of Human Sciences (COHS) 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, design, education, international service, research, social welfare and a variety of agencies, organizations and institutions. Pre-professional options and advisement are offered for students interested in pursuing graduate education in law, medicine and allied health fields, as well as within their major fields of study.

Core Values

Excellence - We are committed to excellence and continuous improvement in all our endeavors.

Integrity - We are committed to the principles of truth and honesty; we will be equitable, ethical and professional.

Service - We believe that serving others is a noble and worthy endeavor.

Intellectual Freedom - We believe in ethical and scholarly questioning in an environment that respects the rights of all to freely pursue knowledge.

Diversity - We respect others and value diversity of opinion, freedom of expression, and other ethnic and cultural backgrounds.

Stewardship of Resources - We are dedicated to the efficient and effective use of resources. We accept responsibility of the public's trust and are accountable for our actions.

Creativity - We foster creativity and innovation utilizing world-class facilities and leading technologies to attract and support prestigious faculty and competitive graduates.

Further information may be found at humansciences.okstate.edu.

Accreditation

The Council for Interior Design Accreditation (CIDA) has accredited the undergraduate interior design program. The preproduction and the production management apparel curricula is endorsed by the American Apparel and Footwear Association (AAFA) Education Foundation, making it one of only 13 approved programs in North America. The Child Development Laboratory-RISE is licensed by the Oklahoma Department of Human Services (DHS) and has received a Three Star Differential Quality Certification. The Child Development Laboratory-RISE is also accredited by the National Association for the Education of Young Children (NAEYC). Program approval has been granted to the Early Childhood Education Teacher Preparation program by the Oklahoma State Board of Education. In addition, the Early Childhood Education program is accredited by the National Council for the Accreditation of Teacher Education (NCATE). The Family and Consumer Sciences Education program has been accredited by the Oklahoma Commission for Teacher Preparation in cooperation with the National Council for 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 and the Dietetic Internship at OSU are both currently granted continuing accreditation by the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, ph. 312.899.0040 ext 5400.

The Patricia Kain Knaub Center for Student Success

The Patricia Kain Knaub Center for Student Success is located in 101 Human Sciences on the south wing of the Human Sciences building. This location is the destination of every student and accompanying family arriving in the College. The Center provides a welcoming entry point and a continuing resource for a wealth of integrated academic programming and student services. A student interested in learning about the College of Human Sciences and its academic programs may schedule an appointment with the Coordinator for Prospective Student Services for information and a tour of the College facilities. Upon admission to the College of Human Sciences, students receive an array of services within the Center.

The Center for Student Success serves as a leader within the OSU system and to human sciences academic units nationally to elevate academic advising, the first-year experience, leadership development, and career development through highly engaging, purposeful and integrated programming that educates students to become intentional learners.

The Center offers the following comprehensive and integrated services to undergraduate students in the College of Human Sciences:

- Services to prospective students and their families that clearly articulate College of Human Sciences academic programs.
- Developmental academic advising, emphasizing a student-centered, holistic approach.
- A foundational first-year experience to facilitate transition of students to a large university.
- Strong leadership development experiences through the first-year experience courses, Freshman Scholar Leaders, Student Council, Ambassadors, and other student leadership organizations.
- Career development opportunities to effectively link educational experiences with career goals and career destinations.

The Career Consultant within the Center for Student Success is a certified Global Career Development Facilitator (GCDF) and provides services designed specifically for College of Human Sciences students. The College of Human Sciences Career Services offers students opportunities to explore traditional and nontraditional careers, complete career-related assessments, and enhance their professional presence in writing, in person and online.

Career development projects are integrated into the first-year experience courses required of all freshmen and transfer students. Outside of the classroom, students are provided opportunities to refine their job search materials, interview with practicing professionals who represent Human Sciences fields of study, participate in career empowerment workshops, learn of part-time job opportunities related to Human Sciences areas of study and identify internship experiences. The College of Human Sciences Career Services provides a link to OSU Career Services, making students aware of resources available throughout campus, including career fairs, career and skill assessments, on-campus interviews and an array of other valuable opportunities. The College of Human Sciences Career Services has an online presence via our website and through participation in several major-specific LinkedIn groups. In addition, we utilize Twitter to share information about upcoming events and opportunities.

Human Sciences Outreach

The College of Human Sciences Outreach office performs a vital role in the academic programs and services mission within the College, providing support services for courses using a variety of delivery methods to serve diverse student needs. Various types of international study programs are offered to engage students in international opportunities and education. In addition, courses that take students to various locations to experience hands-on education are offered through Outreach. Web-based courses and other distance delivery methods serve students who are unable to access traditional educational offerings. As a member of the Great Plains Interactive Distance Education Alliance, the College of Human Sciences Outreach office provides support services for online master's programs in family financial planning, gerontology, and dietetics. Consistent with the missions of OSU and the College of Human Sciences, Outreach serves state, national and international audiences.

Honors

Outstanding students in the College of Human Sciences who meet the requirements of The Honors College may earn the Honors College Degree while completing their undergraduate degree in this college.

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 www.okstate.edu/honors or visit the Honors College in 101 Old Central.

Scholarships

Oklahoma State University has a scholarship program for entering freshmen and first-year transfer students, and applications should be sent to the Scholarships and Financial Aid Office by February 1. College of Human Sciences scholarship applications are typically due for continuing students in December and scholarship awards are announced in April. Freshmen and first-year transfer student scholarships are awarded during the spring semester to students entering Human Sciences in the following 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 Sciences are offered by three departments and one school. The majors are:

- Design, Housing and Merchandising (DHM), with options in apparel design and production, interior design and merchandising.
- Human Development and Family Science (HDFS), with options in early childhood education, child and family services, family and consumer sciences education.
- Hotel and Restaurant Administration (HRAD).
- Nutritional Sciences (NSCI), with options in allied health, community nutrition, dietetics, and human nutrition/premedical sciences.

Subject-focused minors are available through three departments within the College of Human Sciences. Details regarding these minors may be obtained by contacting the appropriate programs.

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

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

Students seeking admission to a master's degree program in any of the departments/school 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 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 Department of DHM and the School of HRAD require submission of GRE/GMAT scores for admission consideration. 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 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 curriculum is approved by the Financial Planner Board of Standards and requires 42 credit hours, preparing students to take the Certified Financial Planner (CFP®) examination.

The Human Development and Family Science master's program, with an option in gerontology, is offered through the College of Human Sciences. The online version of the program requires 36 credit hours and the graduate certificate requires 12 credit hours.

An online master's program in dietetics is offered through the Department of Nutritional Sciences and the Great Plains IDEA. Students admitted to this program must hold the Registered Dietician (RD) credential or must have met both the academic and supervised practice requirements of the Academy of Nutrition and Dietetics and be ready to sit for the national credentialing exam to become a Registered Dietitian.

Doctoral Program. The Doctor of Philosophy degree is a multidisciplinary degree program through the College in conjunction with the departments of Design, Housing and Merchandising, Human Development and Family Science, Nutritional Sciences and the School of Hotel and Restaurant Administration. Individualized programs lead to an area of specialization in any one of the departments/school. Admission to the program is based upon evidence that the applicant meets general requirements of the Graduate College, has demonstrated academic and professional achievements, and can successfully complete a doctoral program, as evidenced by prior academic work, minimum 3.25 GPA in graduate level course work, letters of recommendation, a statement of purpose and goals, and GRE or GMAT scores. Applications are reviewed by a graduate faculty committee in each department or school. This program offers a 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 PhD degree. The PhD 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.

Human Development and Family Science and Nutritional Sciences additionally offer a 90 semester credit hour PhD program which incorporates the requirements to achieve both a Master of Science degree and a Doctor of Philosophy degree. Students accepted into the 90-hour PhD option will complete requirements in the first 30 credit hours for either a MS degree in Human Development and Family Science (Developmental and Family Sciences option) or in Nutritional Sciences (thesis option).

Departmental Clubs and Honor Societies

American Hotel and Lodging Association (student chapter)
 American Society of Interior Designers Student Chapter
 Early Childhood Education Club
 Eta Sigma Delta (hotel and restaurant administration honor society)
 Graduate Students in Human Sciences Association
 Hospitality Administration Graduate Student Association
 Hospitality Days
 Human Development and Family Science Club
 Human Sciences Ambassadors
 Human Sciences Scholar Leaders
 Human Sciences Student Council
 International Facility Management Association Student Chapter
 International Interior Design Association Student Chapter
 Kappa Omicron Nu (scholarship and leadership honor society)
 Meeting Professionals International (student club)
 Merchandising and Apparel Design Association
 Nutritional Sciences Club
 OSU Student Restaurant Association
 Phi Upsilon Omicron (scholarship and leadership honor society)
 Sigma Phi Omega (gerontology honor society)

Design, Housing and Merchandising

Kathleen Robinette, PhD—Professor and Head

The mission of the Department of Design, Housing and Merchandising (DHM) is to foster visionary, innovative solutions to global human issues, using creative, critical thinking, and technological processes within the context of Design, Housing and Merchandising. Three undergraduate options are available: apparel design and production, interior design, and merchandising each requiring a summer internship between the junior and senior years.

Students in apparel design and production are preparing for careers in the apparel and sewn products industries. The program emphasizes the integration of design principles, construction methods, consumer preferences and mass production strategies. Course work includes principles of design, anthropometrics and pattern grading, apparel assembly and production, draping techniques, methods of mass production, quality assurance, properties and performance evaluation of textiles, patternmaking, computer-aided design and technology, entrepreneurship, and a required internship to acquire apparel design industry experience. Students must pass a proficiency review after the freshman year to continue in the program's upper division courses. The American Apparel and Footwear Association (AAFA) Education Foundation has endorsed the preproduction (design) and production management undergraduate curricula, making OSU one of only 13 schools in North America recognized with an AAFA-approved apparel program. Career opportunities include apparel designer, technical designer, product development manager, accessory designer, patternmaker, textile designer, sourcing manager, quality assurance manager, production manager and apparel engineer.

Students in interior design are preparing for careers as professionals who assist businesses and families in planning and solving problems relative to the function and quality of interior living and working environments. Course work includes fundamentals of design, design analysis, ergonomics, concept development, 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 at the end of their freshman year to be

accepted into the professional level interior design program. Upon acceptance, students are expected to have their own laptop computer with sufficient capacity for graphics software used in the profession. Career opportunities include professional practice in interior design and architectural firms, lighting, facility management, historic restoration and preservation and product design and sales. The undergraduate interior design program is accredited by the Council for Interior Design Accreditation (CIDA) and the program has achieved national ranking by the publication Design Intelligence.

The merchandising program prepares students for careers at every level of the soft goods industry: trend forecasting, textile sales, wholesaling product lines to retailers, retail buyers, managers, visual merchandisers as well as auxiliary industries including fashion journalism, event planning, and logistics. Course work includes retailing, merchandise planning and analysis, sustainable design, profitable merchandising analysis, visual merchandising and communication, market analysis, quality assurance, retail technology and international sourcing. Merchandising graduates are in high demand among retailers, manufacturers, product developers, and designers.

Students in all three options will develop business management, communication, creative problem solving and administrative skills. 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
Fewer 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 Sciences with an option in design, housing and merchandising. The programs are scientifically based research and/or design oriented. Graduate degrees in the department are tailored to departmental areas of expertise, professional goals of the candidate and College of Human 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.

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 thesis plan (research or design) is available for students in apparel design and interior design. For merchandising master students, research thesis and course work only options are available. 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. A minimum of 21 credit hours must be taken in the department. Additional courses may be selected from other areas of human sciences or from supporting areas such as marketing, sociology, history, and physiology. If the undergraduate degree is not in the area of specialization, specific undergraduate courses in design, housing and merchandising will be required as prerequisites.

The Doctor of Philosophy Degree. The PhD 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 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 degree must be completed. Each student will develop competence in the area of specialization which includes courses in the major and the support area. International and management dimensions 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 from the department website humansciences.okstate.edu/dhm or by writing the head of the department.

Hotel and Restaurant Administration

Ben Goh, EdD—Charles W. Lanphere Professor, Assistant Dean and Director
The mission of the OSU School of Hotel and Restaurant Administration (HRAD) is to provide superior education, 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 School of Hotel and Restaurant Administration at OSU is focused on experiential learning and enhancing the lives of those we serve through:

- High-quality academic foundation at the undergraduate and graduate levels centered on a focused and relevant curriculum, research, and integration of discovery;
- Diverse teaching labs that are operated professionally using sound business principles and are available to the public;
- Student organizations tied to and active with professional associations; and
- Signature events that bring together individuals and communities.

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; one dining room management and table service laboratory; quick service laboratory; basic food preparation laboratory; classroom and demonstration area; and project room. The School also operates The Atherton Hotel at OSU. The 81-room hotel serves as an experimental learning laboratory for future hospitality professionals.

Career opportunities include hospitality management positions in the areas of: personnel administration, sales and marketing, accounting, rooms, food and beverage, and operations. Other opportunities include event planning, private club management and hospitality related entrepreneurial endeavors. Students have the opportunity to get hands on experience volunteering with three student-led events: the Wine Forum of Oklahoma, the Distinguished Chef Scholarship Benefit Series, and Hospitality Days Career Fair.

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, cost controls, revenue management, and economics. Courses in service management, food and beverage production, purchasing and control, facility management and design, sales and marketing, front office management, and advanced hotel and restaurant management are also included in the specialized area. The BS 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 professional electives.

Successful completion of 480 hours of industry work experience and a management internship of 320 hours are required. Internship placement in hotels, restaurants, private clubs and tourism-related establishments is arranged globally in cooperation with industry executives and the OSU faculty. Study abroad programs and international internships are available.

Further information may be found at humansciences.okstate.edu/hrad.

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, GRE/GMAT score, letters of recommendation and goals of the applicant. Prerequisite courses may be required for students with undergraduate degrees in areas other than hospitality or tourism administration. The master's degree requires a minimum of 32 credit hours for the thesis plan or 34 credit hours for the professionally focused non-thesis plan (requires a creative component).

The Doctor of Philosophy Degree. The PhD is awarded in Human Sciences with an option in Hospitality 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 master's degree or 63 hours if a thesis was not completed in the master's program. 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 customized part-time doctoral degree program is also available for those students, especially educators, who would prefer to pursue their degree without maintaining a full-time enrollment on campus.

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

More detailed information on graduate study in the School of Hotel and Restaurant Administration can be obtained by visiting our website at humansciences.okstate.edu/hrad.

Human Development and Family Science

Jennifer Hays-Grudo, PhD—Professor and Head

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 resilience of diverse individuals and relationships. The department prepares students to work with individuals, couples, and families. The department's primary focus is on integrative approaches to developing and maintaining individual and family resilience. The distinguishing feature of HDFS is the interdisciplinary and multidisciplinary integration of instruction, research and application between and among human development, family science, gerontology, early childhood education and marriage and family therapy.

Committed to enhancing the quality of life of individuals and families by maximizing resilience and reducing risk, 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 (ECE), child and family services, and family and consumer sciences education. Each of these options emphasizes integration of theory, research, policy, and practice.

Criteria for undergraduate students wishing to transfer into HDFS include a required minimum retention grade-point average.

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

The early childhood education (ECE) teacher certification option provides professional preparation for individuals to teach infants 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.

An early childhood education (ECE) certificate is required to teach prekindergarten through third grade in Oklahoma public schools. All students completing the early childhood education option must meet Oklahoma State University and Oklahoma professional education requirements.

The child and family services (CFS) option prepares individuals for careers in providing services and leadership to children, youth, adults and their families. The course content focuses on individual development, family dynamics, family life education, 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 CFS 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, medicine, physical therapy, 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 family and consumer sciences education (FACSED) option prepares individuals to provide comprehensive knowledge and skills that will help individuals, families, and communities make informed, healthy, research-based, and practical decisions to improve their well-being, society, and the economy. Two paths are available for career preparation: one for Cooperative Extension Services and one for secondary school instruction. In both, FACSED students take specialized coursework in apparel design and production, family science, hospitality management, housing and interior design, human (including child) development, nutritional sciences, parenting, resource management, textiles, and educator preparation so they are equipped to work in educational settings where they will have a significant impact on the lives of others. A semester-long internship or student teaching experience during the senior year in an outstanding program completes the undergraduate university preparation. Upon graduation, students meet the employment requirements for the Oklahoma Cooperative Extension Service and/or the certification requirements for the Oklahoma State Department of Education, depending on which option was chosen. The job market remains strong for both careers in Oklahoma and throughout the nation.

The BS degree requires a minimum of 124 semester credit hours. Minors in child development, gerontology, and human services are also available in the department; information on requirements may be obtained from the HDFS department office or the Patricia Kain Knaub Center for Student Success. Articulation agreements between Oklahoma State University and Tulsa Community College and between Oklahoma State University and Northern Oklahoma College provide for a transition toward a baccalaureate degree in human development and family science.

Further information may be found at humansciences.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 focused on reducing risk and enhancing resilience within individuals and among families. HDFS offers graduate study leading to the Master of Science degree and Doctor of Philosophy degree. Graduate study in HDFS emphasizes the integration of theory, research and application to address key issues in risk and resilience. The MS options include Child and Family Services, Developmental and Family Sciences, Early Childhood Education, Marriage and Family Therapy, and Gerontology. The PhD is offered in Human Sciences with an option in Human Development and Family Science. Students work with their advisers and advisory committees to develop flexible yet rigorous programs that meet degree requirements and professional competencies in the area of the specialization. Graduate programs in HDFS are central to departmental research. Faculty and students engage in the integration of theory and research to advance the development and application of knowledge to reduce risk and enhance resilience for individuals and families across cultures and generations.

HDFS has provided high quality graduate education programs for decades and has graduates in leadership positions across the state and nation in all areas of specialization. The department includes four centers/institutes that enhance student experiences in graduate study: (a) the Child Development Laboratory/Rise Program, licensed by the state of Oklahoma and the National Association for the Education of Young Children (b) the Center for Family Services, offering high quality marriage and family therapy to the public and a training environment for master's degree students who choose the Marriage and Family Therapy option; (c) the Gerontology Institute, focused on advancing the quality of life for aging populations through interdisciplinary programs of instruction, research, and public service; and (d) the Center for Family Resilience focused on the promotion of resilience and reduction of risk among individuals, couples, and families across the lifespan in rural and urban areas of Oklahoma through multidisciplinary research, education, and outreach.

The Master of Science Degree. The MS degree in Human Development and Family Science is awarded in five options. Applicants specify the option in which they are seeking the MS degree as part of the application process: Child and Family Services (available on both the Stillwater and Tulsa campuses), Developmental and Family Sciences (available on both the Stillwater and Tulsa campuses), Early Childhood Education (available on the Stillwater campus), Marriage and Family Therapy (COAMFTE Accredited; available on the Stillwater campus), or Gerontology (offered on the Stillwater campus and online through the Great Plains Interactive Distance Education Alliance).

Admission to the MS program is selective and requires the completion of a bachelor's degree in Human Development, Family Science, Child and Family Services, Early Childhood Education, or a related area. Admission decisions are based on a variety of criteria, including grade-point average (3.0 minimum grade-point average in undergraduate work), GRE scores (scores of 450 or higher in each of the Verbal and Quantitative sections and 3.5 or higher on Analytical Writing or the equivalent on the August 2011 revision of the GRE are preferred for admission), TOEFL scores (required for students for whom English is a second language, 575 minimum), three letters of recommendation, statement of student goals, and a résumé or vita. Students need to complete both an OSU Graduate College Application and an HDFS Department Application. Admission is available only for the fall semester in the Marriage and Family Therapy option. Applications are reviewed for the fall and spring (on a space available basis) in the other four options.

Students in each option take a minimum of 18 credit hours of department core courses designed to prepare them to integrate theory, research, and application focused on reducing risk and enhancing resilience within individuals and among families across cultures and generations. Additional course work (ranging from a minimum of 12 semester hours to a maximum of 44) in each option, approved by the adviser and student's advisory committee, is focused on integrating theory, research and application within the option. Four options (Child and Family Services, Early Childhood Education, Marriage and Family Therapy, and Gerontology) offer both a thesis and non-thesis option (requiring a creative component). The Developmental and Family Sciences option requires a thesis. The minimum number of semester hours required for each option is: Child and Family Services (36 semester hours for thesis or non-thesis plan), Early Childhood Education (30 semester hours for thesis plan or 32 for non-thesis plan), Developmental and Family Sciences (30 semester hours for thesis plan), Marriage and Family Therapy (63 semester hours), and Gerontology (39 semester hours for thesis plan; 36 semester hours for the non-thesis plan; and 36 semester hours for the online program through the Great Plains Interactive Distance Education Alliance).

The Child and Family Services option is designed to develop leadership in Child and Family Services programs. Graduates: (a) demonstrate an ability to describe, discuss, and integrate theory, research, and application to address key issues related to reducing risk and enhancing resilience; (b) establish a solid theoretical foundation in human development and family science; and (c) gain experiences and demonstrate competence in professional issues related to child and family services. Career opportunities include administrator of a child and family services agency or program; early interventionist; child development specialist; child life specialist; family life specialist; parent educator; family life educator; state and federal policy and advocacy specialist; or family advocate.

Graduates may also pursue doctoral study. The Child and Family Services option is available on both the OSU-Stillwater and the OSU-Tulsa campuses.

The Early Childhood Education BS/MS option emphasizes child development as a foundation for the study and practice of professional education of children from birth through age eight. This program was designed for HDFS undergraduate students seeking both the BS and MS specializing in Early Childhood Education prior to entering the profession. The integrated program is designed to be completed in five years, including two summers, but the MS option is also open to graduates from other departments or universities. To help students gain a strong understanding of how theory and research inform classroom and professional practice, students take courses in history and theory, curriculum, issues, and observation and assessment. Students also complete a field experience in early childhood education as part of the degree program.

This degree program prepares graduates for careers including: early childhood teacher educator; staff training and development; administration and evaluation; child, family and educational advocate; early childhood consultant; early childhood classroom teacher (requires teacher certification prior to the MS program). The Early Childhood Education dual BS/MS option is available only on the OSU-Stillwater campus.

The Developmental and Family Sciences option prepares students to describe, discuss, and integrate theory, research, and application focused on reducing risk and enhancing resilience. In consultation with their major advisers and advisory committees, students identify courses and experiences that focus on preparing for research-related careers and/or doctoral study. Course work focuses on the integration of theory and research in human development and family science, research methods, and statistics. Students complete a thesis and get practical research experience. The Developmental and Family Sciences option is available on both the OSU-Stillwater and OSU-Tulsa campuses.

The Marriage and Family Therapy option is accredited by the Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE) of the American Association for Marriage and Family Therapy. The Marriage and Family Therapy option provides students with basic knowledge, clinical skills and a professional identity essential for entry level practice of marriage and family therapy. Students specializing in marriage and family therapy operate the Center for Family Services, an on-campus family therapy clinic. The MFT curriculum takes at least two and one half years (including summers) to complete. The academic course work includes courses in systems theory, marriage and family therapy techniques, ethics and professionalism, and research. Course work provides a framework for the application of marriage and family therapy theory and research in clinical practice. In addition, all students are required to take at least 18 months of clinical practice. Graduation requirements include the completion of required course work, a minimum of 500 client contact hours, and the completion of either a thesis or creative component. The Marriage and Family Therapy option is only available on the OSU-Stillwater campus.

The Gerontology option engages students in an in-depth study of adulthood, the aging process, needs of aging individuals and family care providers, and services for aging populations. Students may complete the on-campus program (thesis or non-thesis) or the online master's program through the Great Plains Interactive Distance Education Alliance (Great Plains IDEA).

More information on HDFS MS programs may be obtained from the HDFS department, on the Internet humansciences.okstate.edu/hdfs or by e-mail humansciences.hdfs@okstate.edu. For additional information on the online master's program in Gerontology visit the website at humansciences.okstate.edu/gpidea.

The Doctor of Philosophy Degree. The PhD in Human Sciences with option in human development and family science (HDFS) is a research doctoral program designed to promote breadth, depth and integration of knowledge in HDFS through research collaborations. Doctoral students collaborate with faculty and other graduate students on research projects which integrate the theoretical and empirical knowledge base in HDFS and investigate key processes associated with risk and resilience. Upon graduation, doctoral students have the knowledge and experience to develop into leading scholars able to conduct high quality basic and applied research, to provide relevant instruction, develop effective interventions, and contribute to the development of informed public policy that reduces risk and enhances resilience within individuals and among families across cultures and generations.

The PhD option in HDFS provides students with the opportunity to concentrate on one of the following disciplines: Human Development or Family Science. Students are admitted to the program to focus in a primary discipline in the department (human development or family science) and to take additional course work in a secondary discipline (human development is the secondary discipline for family science students and family science is the secondary discipline for students in human development).

PhD graduates are prepared to apply knowledge in human development and family science in a collaborative manner in diverse settings. To accomplish this goal, the program is designed around four primary themes: breadth (knowledge of substantive content across the two disciplines of human development and family science), depth (knowledge of substantive content within one discipline, either human development or family science), integration (knowledge synthesized to capitalize on the strengths of the disciplines of human development and family science), and experience (knowledge through

involvement in research, instruction, and a variety of applications associated with reducing risk and enhancing resilience of individuals and families).

To achieve breadth, depth, and experience in the primary emphasis area and in the integration between human development and family science, students take courses and participate in individualized experiences, approved by their major adviser and doctoral advisory committee, that guide the student in mastering the forms (teaching, research, and service) and functions (discovery of knowledge, integration of knowledge, application of knowledge, and transmission of knowledge) of scholarship expected of doctoral graduates in HDFS.

Two options are available: 90-hour program for BS graduates and 60-hour program for MS graduates (with additional coursework possible for students with BS and MS degrees in other fields). Doctoral training includes participation in research throughout the doctoral program, a qualifying examination in statistics, and completion of portfolio documents designed to integrate knowledge from course work and experiences and demonstrate attainment of doctoral competencies. Course work includes a minimum of 15 semester hours in human development and family science content classes, 15 hours in human development and family science methods classes and research practica, 12 semester hours in research and statistics classes, three semester hours in human sciences, and 15 hours of dissertation research. Students who did not complete a thesis for the master's degree are required to complete a thesis equivalent project (beyond the 60 semester hour requirement).

Admission to the PhD program is selective and requires the completion of an MS in human development, family science, or related field. Admission decisions are based on a variety of criteria including grade-point average (3.0 grade-point average in undergraduate work and 3.5 in previous graduate study preferred; 3.25 in previous graduate study required), GRE scores (450 or higher on the Verbal and 580 on the Quantitative sections and 4.0 or higher on the Analytical Writing section preferred or the equivalent new scale score on the revised GRE beginning August 1, 2011), TOEFL scores (required for students for whom English is a second language, minimum 79 on the internet-based TOEFL or 550 on the paper-based TOEFL to demonstrate an acceptable level of spoken English), three letters of recommendation, a statement of student goals and a résumé. Students are required to complete both an OSU Graduate College Application and an HDFS Department Application.

More information on the PhD option in HDFS may be obtained from the HDFS department at humansciences.okstate.edu/hdfs or by e-mail: humansciences.hdfs@okstate.edu.

Nutritional Sciences

Nancy M. Betts, PhD, RD—Regents Professor, Jim & Lynne Williams Endowed Professor and Head

The Department of Nutritional Sciences advances health and quality of life of individuals and communities and prepares professionals through discovery, education, and application of scientific knowledge.

Graduates are prepared to apply nutrition knowledge in dietetic internships, healthcare professional schools, graduate programs, and food and nutrition-related professions. Four degree options and a minor are offered through the department.

The human nutrition/premedical sciences 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. It includes the prerequisites for admission to most medical, dental, optometry and pharmacy schools. The allied health option provides required course work for most nursing schools, physician assistant programs, schools of physical and occupational therapy, dental hygiene and other health professions. The community nutrition option offers coursework and experiences for positions in nutrition education, personal training, school food service management and other areas. The dietetics option provides the coursework required to become a Registered Dietitian (see OSU Didactic Program in Dietetics below).

The mission of the OSU Didactic Program in Dietetics is to promote human health and quality of life by preparing students for future roles in dietetics and dietetics-related professions. The dietetics profession is diverse and dynamic, integrating human nutrition, food service administration, food science, chemistry, physiology, management and interpersonal skills. The dietetics option is the only option that includes the Didactic Program in Dietetics (DPD) coursework required to apply for competitive dietetic internships (DI). When students successfully complete the academic requirements (DPD) and supervised practice component (DI), they are eligible for the national Registration Examination for Dietitians administered by the Commission on Dietetic Registration (CDR) of the Academy of Nutrition and Dietetics (the Academy). Individuals who successfully complete the examination become Registered Dietitians/Nutritionists and are entitled to use the initials "RD" or "RDN" to signify professional competence. Many states, including Oklahoma, also require a license to practice dietetics in the state. Each state law varies in its scope. Didactic Program in Dietetics information and the DPD Student Handbook are found at humansciences.okstate.edu/dpd.

The Didactic Program in Dietetics is currently granted continuing accreditation by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2000, Chicago, Illinois 60606-6995, 312.899.0040 ext. 5400.

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 researcher, fitness/wellness consultant, public health nutritionist, school nutrition director, Cooperative Extension educator, entrepreneur in dietetic programs and services, and corporate dietitian/nutritionist. DPD Graduates who do not enter dietetic internships may work in related fields which do not require the RD credential such as school food service, Cooperative Extension, pharmaceutical or food sales, food service management and government programs; take the certified dietary manager (CDM) exam; or enter related graduate programs such as Master of Science in Public Health. Upon earning the DPD "verification statement," students may take the CDR exam to become dietetic technicians, registered (DTR). University teaching and research in the field of nutrition and some specialized careers require advanced degrees or additional course work.

Admission Requirements. Transfer students must have earned a 2.5 retention GPA in order to be admitted to the NSCI undergraduate program.

Further information may be found at humansciences.okstate.edu/nsci.

Dietetic Internship. The dietetic internship (DI) at Oklahoma State University requires a bachelor's degree and prior completion of the DPD requirements for admission and meets The Academy's 1200 hour supervised practice requirements for registration eligibility. Its mission is to advance health and quality of life of individuals and communities by preparing dietetic professionals for competent practice through education, discovery and application of scientific knowledge. The internship provides experience in clinical, management, and community practice settings where interns develop entry-level practice competence. Entry into the dietetic internship is competitive, requiring an application to the OSU DI and NSCI Master's Degree and participation in the Academy of Nutrition and Dietetics computer matching or pre-selection process. All students admitted to the Dietetic Internship must earn the departmental Master of Science in nutritional sciences (nutrition option) or enter with at least an MS which is essentially equivalent to the NSCI MS

The Dietetic Internship at OSU is currently granted continuing accreditation by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2000, Chicago, Illinois 60606-6995, 312.899.0040 ext. 5400.

Dietetic Internship information is found at humansciences.okstate.edu/di.

Graduate Programs

The Department of Nutritional Sciences offers graduate study leading to a Master of Science degree in nutritional sciences and a Doctor of Philosophy degree in Human Sciences with an option in nutritional sciences. Graduate study in NSCI emphasizes the conduct and application of research to the field of human nutrition. Graduate students work with an adviser and advisory committee to develop flexible, yet rigorous programs of study and research that meet the degree requirements and student's professional goals within an area of specialization in the field.

The Master of Science Degree. The MS degree program is designed to develop research skills, stimulate independent thought and critical thinking, and provide up-to-date knowledge in a variety of areas of human nutrition. Admission to the MS graduate program is selective and is based on a variety of factors including the student's grade-point average (overall and science GPA), Graduate Record Examination (GRE) scores, letters of recommendation and goal statement. The prerequisite for the MS program is a BS in nutritional sciences. Students with a BS degree in a subject area other than nutrition are required to have a minimum of 30 credit hours of undergraduate/graduate course work related to nutritional sciences, including at least one course in biochemistry, one course in physiology and one upper-level nutrition course prior to full admission. Applicants who do not meet these requirements may be considered for conditional acceptance and required to take prerequisite courses.

Students in the MS program-nutrition option can choose one of two tracks: thesis or non-thesis. The MS degree with thesis requires a minimum of 30 credit hours, including six credit hours for thesis research (NSCI 5000). Thesis research is conducted within the adviser's area of interest and is approved by an advisory committee. The non-thesis MS degree requires a minimum of 34 credit hours with three credit hours of NSCI 5843, including a comprehensive examination, a written research paper, and an oral presentation. The student's plan of study and research is determined in consultation with his/her adviser and advisory committee.

An online Master of Science degree in nutritional sciences with an option in dietetics is also offered to Registered Dietitians (RD) or individuals who are RD eligible. OSU offers this degree program as a member of the Great Plains Interactive Distance Education Alliance (Great Plains IDEA) which provides the opportunity for Registered Dietitians to study with faculty from eight universities in Alliance via Internet-based courses. The MS in Dietetics requires completion of 36 credit hours, including nine core credits, six OSU Nutritional Sciences Core credits, 18 elective credits and NSCI 5843. A faculty adviser and the graduate committee from the Nutritional Sciences department must approve a student's program of study. More detailed information can be found at: humansciences.okstate.edu/gpidea.

The Doctor of Philosophy Degree. The PhD degree is awarded in Human Sciences with an option in nutritional sciences. Two programs are available: a 60 hour program for MS graduates and a 90 hour program for BS graduates. The focus of the program is to prepare individuals for careers in a variety of areas including higher education, industry, healthcare and governmental programs. Admission to the program is competitive and applicants are expected to provide evidence of exceptional academic ability and preparation, a statement of goals and letters of recommendation. Grade-point average in previous undergraduate and graduate course work and Graduate Record Examination (GRE) scores are considered in the evaluation of the applicant. If a thesis was not required as a component of the applicant's MS program, a thesis or equivalent must be completed in addition to the requirements for the doctoral degree. Prerequisite course work for full admittance to the PhD program includes at least one graduate or undergraduate course in biochemistry and physiology, six credit hours at the graduate level in nutrition and three credit hours of statistics. Students with MS degrees in a subject area other than nutrition will also be required to have a minimum of 30 credit hours of undergraduate/graduate course work related to nutritional sciences, including the prerequisite courses listed above. Applicants who do not meet these requirements may be considered for conditional acceptance and required to take additional prerequisite courses.

The PhD program includes a strong emphasis on research in areas ranging from basic molecular and cellular sciences to clinical and community applications. Students also gain experience in resource generation, knowledge sharing and community engagement. Each program of study is designed by the student under direction of his/her faculty adviser and advisory committee to develop the student's competence in an area of specialization and research methodologies. Doctoral training includes 15-30 hours of dissertation research, a qualifying examination covering core nutrition knowledge, a comprehensive examination focused on the area of specialization and participation in research throughout the program.

More detailed information on graduate study in the Department of Nutritional Sciences can be obtained by writing the graduate coordinator, or on the website at humansciences.okstate.edu/nsci.