

COLLEGE OF EDUCATION AND HUMAN SCIENCES

College Administration

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The College of Education & Human Sciences (EHS) are a group of service-minded faculty, staff, students and partners who enhance lives through innovative research, teaching, and engagement. We are committed to the promotion of diversity in the broadest sense. We highly value the dignity and worth of individuals inclusive of their gender, race, ethnicity, nationality, sexual orientation, age, physical and mental abilities, religious beliefs, socioeconomic class, and other identities. Valuing diversity also extends to diversity of thought and perspective. We promote and create a dynamic community for personal transformation and social change with an atmosphere of respect and trust in which individuals explore, discuss, and express their beliefs with one another.

Accreditation

In the College of Education & Human Sciences, we have a number of accredited programs. The Office of Educator Support (OES), which serves the College of Education and Human Sciences, the Ferguson College of Agriculture, and the College of Arts and Sciences, is accredited as an NCATE Legacy Site; the unit adheres to the Council for the Accreditation of Educator Prep (CAEP) standards at the national level and the Office of Educator Quality and Accountability (OEQA) standards in Oklahoma. OSU successfully renewed its accreditation by CAEP/OEQA in 2022. Each OES program area is accredited as well. In Secondary Education the Social Studies Education options are recognized by the National Council for the Social Studies (NCSS) Specialized Program Area (SPA). The English Education option is recognized by the National Council for the Teaching of English (NCTE) SPA, and the Foreign Language Education option is recognized by the American Council on the Teaching of Foreign Languages (ACTFL) SPA. The Mathematics Education option is recognized by the National Council of Teachers of Mathematics (NCTM) SPA and the Science Education option is recognized by the National Science Teachers Association (NSTA) SPA. The Commission for Educator Quality and Accountability through OEQA has approved the following initial certification programs: Early Childhood Education, Elementary Education, Family and Consumer Sciences Education, and the Art Education certification pathway. For advanced certification programs, OEQA has approved the master's in Education Technology School Library-Media option, and the Reading & Literacy Education (Reading Specialist) masters. The Educational Leadership master's (building level) and doctoral (district level) programs are recognized by the National Policy Board for Educational Administration (NPBEA) under Educational Leadership Constituent Council (ELCC) standards, now called the National Educational Leadership Preparation (NELP)

standards. The School Psychology program is recognized by the National Association of School Psychologists (NASP) SPA and accredited by the American Psychological Association (APA). The Counseling Program with options in Mental Health Counseling and School Counseling are accredited by the Council for Accreditation of Counseling and Related Education Programs (CACREP). The School Administration EdD, the Educational Administration Ph.D., and the Master of Science in School Administration are full voting members of the University Council for Educational Administration (UCEA), a member organization of the National Policy Board for Educational Administration (NPBEA).

The Child Development Laboratory is licensed by the Oklahoma Department of Human Services (DHS) and has received a Three Star Differential Quality Certification. The Child Development Laboratory is also accredited by the National Association for the Education of Young Children (NAEYC). The Marriage and Family Therapy program is accredited by the Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE). The Family Financial Planning Master of Science, graduate certificate, and undergraduate certificate are Certified Financial Planner Board of Standards registered programs. The Recreational Therapy Program is accredited by the Committee on Accreditation of Recreational Therapy Education (CARTE) through the Commission on Accreditation of Allied Health Education Programs (CAAHEP), which is accredited by the Council on Higher Education Accreditation (CHEA). The Recreation Management program is accredited by the Council on Accreditation of Parks, Recreation, Tourism, and Related Professions (COAPRT), COAPRT which is accredited by the Council on Higher Education Accreditation (CHEA). The RN to BSN Nursing program is accredited by the Commission on Collegiate Nursing Education (CCNE). The Didactic Program in Dietetics and the Dietetic Internship at OSU are both currently granted accreditation until 2028 by the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2190, Chicago, IL 60606-6995, ph. 312.899.0040 ext. 5400. The Council for Interior Design Accreditation (CIDA) has accredited the undergraduate interior design program since 1984. The pre-production and the production management apparel curricula are endorsed by the American Apparel and Footwear Association (AAFA) Education Foundation, making it one of only 13 approved programs in North America. The Fashion Design and Production and Fashion Merchandising programs are accredited by the Textile and Apparel Programs Accreditation Committee (TAPAC), one of only three schools accredited in the United States.

The Patricia Kain Knaub Center for Student Success & Watson Family Center for Student Development

The Patricia Kain Knaub Center for Student Success and Watson Family Center for Student Development provide welcoming entry points and continuing resources for integrated academic programming and student services. The Centers serve as leaders within the OSU system and to education and human sciences academic units nationally to elevate academic advising, the first-year experience, leadership development, student engagement and career development through purposeful and integrated programming and support services that develop students into active intentional learners. The Centers offer the following comprehensive and integrated services to undergraduate students in the College of Education and Human Sciences:

- Services to prospective students and their families that clearly articulate College of Education and Human Sciences academic programs and related diverse learning opportunities.
- Developmental academic advising services, emphasizing a student-centered, holistic approach.
- First-year experience initiatives to facilitate successful transition of both high school students and transfer students to a large university and into their new academic college home.
- Deliberate leadership development and coaching through the first-year experience courses, the Freshman Scholar Leaders program, Emerging Leaders initiatives, Ambassador peer mentors, Student Council and other intentional student organization activities.
- Integrated career development throughout both curricular and co-curricular experiences to effectively develop career readiness skills and link students' education with their career goals and destinations.

Student and Career Development

The Watson Family Center for Student Development (106 Willard Hall) partners with students to support and connect them with success resources and services beginning with their first interaction with the College. The Watson Center is the primary welcome center and informational resource for every prospective student and accompanying family member connecting to the College. Prospective student coordinators and student recruitment assistants help future students learn about academic programs and student experiences in the College of Education and Human Sciences through individual appointments, facility tours, and other connection activities.

For current students in the College of Education and Human Sciences, the Watson Center's student and career development coordinators facilitate and lead purposeful initiatives to cultivate potential and empower student learning and success during college and beyond; resources, programs, and activities holistically champion student well-being, personal responsibility, self-efficacy, and pursuit of purpose. All student and career development coordinators are certified Global Career Development Facilitators (GDCF) who guide students in exploring diverse educational and career pathways, testing career possibilities of interest, pursuing personal growth and leadership development opportunities, developing a sense of community, and connecting with academic, professional and personal support resources and assistance. We build relationships, take action, and advocate to advance student success. Specifically, the staff of the Center lead initiatives such as the CEHS P.L.A.C.E. learning community; the Ambassador peer mentoring program; Emerging Leaders Alliance leader development program; student access to career-related assessments; workshops and programs to enhance students' professional presence in person, in print, and online; and Learning Lunge, the weekly tutor-facilitated group study resource, to name a few. In addition to the primary location in Willard Hall, the Watson Center has a satellite location for current student services located in 125 Nancy Randolph Davis. The College's student development and retention coordinator and retention assistants build supportive mentoring relationships with current students and lead purposeful initiatives to empower students' achievement of their full potential during their college experience. Current student resources, programs, and activities coordinated through the Watson Student Development Center holistically champion student well-being by fostering a sense of community, connecting students with academic and personal support resources and assistance, and facilitating opportunities for personal growth and leadership development. Specifically, the staff of the Center leads first-year success and personal leadership development programming for the college, including the P.E.T.E. Project living-learning community, Freshmen

Scholar Leaders, the Ambassador peer mentoring program, and Emerging Leaders initiatives, to name a few.

Academic Advising

The Patricia Kain Knaub Center for Student Success (101 Nancy Randolph Davis) provides developmental advising to undergraduate students utilizing a holistic approach that fosters the development of the whole student who is informed, empowered, and responsible. Professional academic advisors and students form collaborative partnerships with shared responsibilities. Students are connected with a major specific advisor who specializes in their chosen field of study. With the goal of constructing meaningful academic plans which are compatible with life goals, advisors guide students toward degree completion, navigating University policies and procedures. Our dedicated staff mentor, encourage and ultimately celebrate students who overcome challenges while pursuing degrees. The Center enhances student learning by maximizing student use of University academic support resources and encouraging co-curricular involvement. Persistence toward educational and career goals, and timely graduation, are our goals for each student. We are here to be their advocate and help them connect, learn, grow, thrive, and achieve.

The requirements for the degree being sought are made known to the student when he/she/they first enroll(s) at Oklahoma State University. While the curriculum may change before a student graduates, a student who makes normal progress toward graduation (no more than two years beyond the normal four-year bachelor's degree requirements) will be held responsible for the degree requirements at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or delay graduation.

Scholarships

The College of Education and Human Sciences offers a number of scholarships for undergraduate and graduate students. College of Education and Human Sciences scholarship applications are typically due for continuing students in December and scholarship awards are announced in March for the coming academic year. Freshmen and first-year transfer student scholarships are selected during the fall and spring semesters to students entering Education and Human Sciences in the following fall semester. Criteria for and the amount of the scholarship awards vary. Visit <https://education.okstate.edu/scholarships/> for more information. College of Education and Human Science students are also encouraged to apply for scholarships available through OSU's Office of Scholarships and Financial Aid (<https://go.okstate.edu/scholarships-financial-aid/index.html> (<https://go.okstate.edu/scholarships-financial-aid/>)).

High School Preparation

Students are expected to satisfy the high school curriculum requirements as determined by the Oklahoma State Regents for Higher Education. It is recommended that students be involved in clubs and organizations as well as have had some experiences working with children and youth, or other experiences related to their chosen fields.

Admission Requirements

Freshman students are admitted to the College of Education and Human Sciences consistent with the criteria published for admission to the University. Criteria for students wishing to transfer into the College of Education and Human Sciences from another institution or another college at OSU must have a minimum retention GPA as determined by

the academic unit and based on the University graduation and retention grade-point average policy. See transfer admission requirements on degree requirement sheets for details as some program requirements differ from the table below.

Total Hours Attempted	Minimum GPA required
Fewer than 31	1.70
31 or more	2.00

For prospective/current students desiring to enter the Aerospace Administration and Operations: Professional Pilot degree program, a secondary application is required for competitive consideration for the limited entry program. Prospective students gain access to the secondary application through their admissions application portal after selecting the Professional Pilot program as their intended major. Current students gain access to the secondary application through <https://education.okstate.edu/departments-programs/educational-foundations-leadership-aviation/aviation-space/professional-pilot-secondary-application.html> (<https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Feducation.okstate.edu%2Fdepartments-programs%2Feducational-foundations-leadership-aviation%2Faviation-space%2Fprofessional-pilot-secondary-application.html&data=05%7C01%7CAdrienne.redmond%40okstate.edu%7C1cd0a2f79e05453cee1408db570027bd%7C2a69c91de8494e34a230cdf8b27e1964%7C0%7C0%7C638199430411077873%7C7CTWFpbGZsb3d8eyJWljoimC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6IklhaWw%7C3000%7C%7C%7C&sdata=qZEmDCQ%2FsQ6yk7SL4m%2B3aGZfoJ%2F5Mk4B%2F7F9wSnr3nA%3D&reserved=0>). Applications are due on November 1 and decisions are announced by January 1. Criteria considered include high school core GPA and/or college GPA, ACT or SAT exam score, and previous flight experience. Up to 85 students are selected to enter the Professional Pilot program each fall.

Prospective/current students planning to complete OSU's professional Nursing (BSN) degree program are required to complete a competitive secondary application process for admission into the professional Nursing program as they near completion of 59 college credit hours of course prerequisites. Nursing prerequisite coursework and the competitive secondary application process are detailed at <https://education.okstate.edu/departments-programs/community-health-sciences-counseling-psychology/nursing/bsn-admission-prerequisite-information.html> (<https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Feducation.okstate.edu%2Fdepartments-programs%2Fcommunity-health-sciences-counseling-psychology%2Fbsn-admission-prerequisite-information.html&data=05%7C01%7CAdrienne.redmond%40okstate.edu%7C1cd0a2f79e05453cee1408db570027bd%7C2a69c91de8494e34a230cdf8b27e1964%7C0%7C0%7C638199430411077873%7C7CTWFpbGZsb3d8eyJWljoimC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6IklhaWw%7C3000%7C%7C%7C&sdata=uqDhtBQG9Ua8P8JKOEsId4BhgN4q1Md905qYq7GVw8o%3D&reserved=0>). Prospective/current students may be admitted or change their major to the nursing major in accordance with the College of Education and Human Sciences admission requirements described above. However, prospective/current students nearing completion of the 59 credit hours of required nursing prerequisite courses must also complete the competitive secondary application process and be admitted into the professional Nursing program to advance into nursing laboratories, simulations and clinical experiences required to complete the Nursing (BSN) degree. Fifty students are admitted to the professional Nursing program during each secondary application cycle. Students not selected to advance into the professional Nursing program will

be advised of alternative educational options, including using earned coursework to complete a Pre-Nursing Undergraduate Certificate and/or changing their academic path to another human health-related degree plan of interest.

For prospective and/or current students desiring to transfer into the online Nursing, RN to BSN degree program, an associate's degree in nursing, a valid RN license, and course prerequisites as listed on <https://education.okstate.edu/departments-programs/community-health-sciences-counseling-psychology/nursing/admission-prerequisite-information> (<https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Feducation.okstate.edu%2Fdepartments-programs%2Fcommunity-health-sciences-counseling-psychology%2Fadmission-prerequisite-information.html&data=05%7C01%7CAdrienne.redmond%40okstate.edu%7C1cd0a2f79e05453cee1408db570027bd%7C2a69c91de8494e34a230cdf8b27e1964%7C0%7C0%7C638199430411077873%7C7CTWFpbGZsb3d8eyJWljoimC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6IklhaWw%7C3000%7C%7C%7C&sdata=8Y2sQNR47QNIQKM2mhnlnTkkTi8B%2F8sahRWH5e3d9z8%3D&reserved=0>), are required for full program admission through a secondary applicant review process completed by program faculty. Prospective Nursing, RN to BSN students who do not meet the prerequisite academic background and/or licensure requirements but who have been accepted to the program through the program's secondary applicant review process may enroll in the Nursing, RN to BSN program but will be limited in their course selection until all program prerequisites and requirements for full admission are completed.

Students pursuing degree options in Recreation and Athletic Management and Design and Merchandising are required to maintain a 2.00 GPA. Students pursuing a degree in Elementary Education, Public Health, Applied Exercise Science: Sport and Coaching Science, and Applied Exercise Science: Strength and Conditioning are required to maintain a 2.75 or higher GPA. Students pursuing a degree in Applied Exercise Science: Pre-Professional are required to maintain a 3.00 GPA. All other programs require a 2.50 GPA.

For continuing enrollment in good standing, the Office of Educator Support and some other programs require a minimum of 2.50/2.75 GPA for admission to Professional Education, student teaching and graduation. This requirement is consistent with state standards for students in the state of Oklahoma who complete professional education programs and seek certification.

Requests from students seeking readmission after having been placed under probation/suspension should be submitted to the Knaub Student Success Center in the College of Education and Human Sciences and will be reviewed by the Director of Student Academic Services prior to readmission. All student grades are reviewed at the end of each semester to determine whether appropriate academic progress is being made.

For graduation, with recommendation for Certification in Professional Education, the following minimum GPAs are required:

1. a 2.50 overall GPA (Elementary Education requires a 2.75);
2. a 2.50 GPA in the Major Requirements except Elementary Education and Secondary Education English which requires 2.75;
3. a 2.50 GPA in Professional Core Requirements (2.75 for Elementary Education); and
4. where noted, a 2.50 /2.75 GPA in the College/Departmental Requirements.

The student must earn minimum grades of "C" or "P" in each course in the Major Requirements, the Professional Core Requirements, and where noted, the College/Departmental Requirements. The student must earn grades of "C" or "P" in all sections of observation (lab and clinical experience) courses and clinical practice for recommendation for Certification.

Academic Programs

Undergraduate Programs

The Bachelor of Science Degrees within the College of Education and Human Sciences are offered by three departments and four schools. The majors are:

- Aerospace Administration & Operations (AAO), with options in aerospace security, aviation management, professional pilot, and technical service management.
- Applied Exercise Science (AES), with options in pre-professional, strength & conditioning, and sport & coaching science.
- Design and Merchandising (DM), with options in fashion design & production, fashion merchandising, and interior design.
- Early Child Care and Development (ECCD).
- Elementary Education (ELEM).
- Human Development and Family Science (HDFS), with options in child and family services, early childhood education, and family and consumer sciences education.
- Nursing (NRBS): RN to BSN completion program.
- Nursing (BSN): Bachelor of Science in Nursing
- Nutritional Sciences (NSCI), with options in allied health, dietetics, human nutrition/premedical sciences, and public health nutrition.
- Public Health (PH), with options in community health and exercise & health.
- Recreation and Athletic Management (RAM), with option in recreation management.
- Recreational Therapy (RT)
- Secondary Education (SCED), with options in English, foreign language, mathematics, science, and social studies (psychology/sociology or world history/geography).

Academic Units in the College of Education and Human Sciences offer minors in the following areas: aerospace security, aviation management, child development, creativity studies, fashion design and production, fashion merchandising, gerontology, human services, learning and motivation, nutritional sciences, pre-counseling, public health, professional pilot, public school support specialist for children at-risk, recreation management and recreational therapy, special education, sports and coaching science, and visual merchandising. Undergraduate certificates are available in fashion design, learning & motivation, pre-nursing, product development for apparel, and public health.

Graduate Programs

Graduate study is available in all academic departments/schools. In addition to the Master of Arts in Teaching degree (MATT) that may be obtained through the School of Teaching, Learning and Educational Sciences, the Master of Science degree (MS) may be earned in the following areas: aging studies, aviation and space, counseling (options in mental health counseling and school counseling), dietetics, design, housing and merchandising (options in apparel design and production, digital design, interior design, and merchandising, and retail merchandising leadership), educational leadership studies (options

in college student development, higher education, school administration and workforce and adult education), educational psychology (options in educational psychology, research, evaluation, measurement & statistics, and school psychometrics), educational technology (options in educational technology and school library media), family and community services, family and consumer sciences education, family financial planning, health and human performance (options in applied exercise science, health promotion, and physical education), human development and family science (options in aging sciences, applied human services, developmental and family sciences, early childhood education, and marriage and family therapy), leisure studies, nutritional sciences (options in nutrition, dietetics practice and dietetics research), and teaching, learning and leadership (options in curriculum & leadership studies, gifted and talented education, K-12 education, mathematics/science education, reading & literacy, special education, and workforce & adult education).

The Specialist in Education degree (EdS) may be obtained in educational administration as well as school psychology. The Doctor of Education degree (EdD) may be earned in aviation and space education, and school administration, while the Doctorate of Philosophy degree (PhD) may be earned in the following areas: counseling psychology, curriculum studies (options in college curriculum and teaching, curriculum and leadership, and international and peace curriculum), education (options in learning, design and technology, language literacy and culture, mathematics education, science education, social foundations of education, special education, and workforce and adult education, educational leadership and policy studies (options in educational administration and higher education), educational psychology (including research methods, evaluation and statistics), human development and family science, health, leisure and human performance (options in health and human performance, and leisure studies), nutritional sciences, and school psychology.

Graduate certificates are available in aging studies, aviation/aerospace administration, building level leadership, college teaching, developmental disabilities, dietetics, digital design in design and merchandising, district level leadership, educational and psychological measurement, effective teaching in secondary schools, effective teaching in elementary schools, elementary mathematics specialist, facilitating career development, family financial planning, fashion merchandising, hidden student populations, infant mental health, learning and motivation, online teaching, program evaluation, recreation and leisure management, school library media certification, special education, substance abuse counseling, statistical methods & analyses in education & behavioral sciences, and workforce and adult education.

Online Programs

The College of Education and Human Sciences Online Education office provides support services for courses using a variety of delivery methods to serve diverse student needs. 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 (GPIDEA), the College of Education & Human Sciences Online Education office provides support services for online master's programs in family financial planning, family and community services, family and consumer sciences education, aging studies, retail merchandising leadership and dietetics, as well as an online bachelor's program in early child care and development. In addition to the Great Plains Interactive Distance Education Alliance programs, we offer Masters degrees in aviation and space, curriculum and leadership, digital design, higher education, school library media, educational

technology, educational psychology, reading and literacy education, and special education. In addition to our master's programs, we have an undergraduate RN to BSN nursing degree, university studies, and online BS in elementary education; an educational doctorate in Aviation and Space, and a PhD in health, leisure and human performance-leisure studies option. The college also offers online graduate certificates in the following areas: aging studies, aviation/aerospace administration, digital design in design and merchandising, effective teaching in elementary schools, effective teaching in secondary schools, elementary mathematics specialist, facilitating career development, family financial planning, fashion merchandising, infant mental health, online teaching, school library certification and workforce and adult education.

Special Academic Programs

OSU Teach

The OSU Teach program is a collaboration between the College of Education and Human Sciences and the College of Arts and Sciences and is designed to recruit and train new secondary teachers in science and mathematics. OSU Teach students begin supervised teaching in K-12 classrooms during their first semester in the program and continue these field experiences throughout their coursework, which culminates with apprentice teaching. Students can earn both a Bachelor of Science degree in Secondary Education (in Science or Mathematics Education) and a Bachelor of Science in one of the four-year STEM degree options: biology, chemistry, geology (earth science and/or physical science), mathematics, physics, and zoology, which lead to teacher certification at the secondary level.

Bachelor of University Studies

The College of Education and Human Sciences utilizes the Bachelor of University Studies degree program along with the other colleges in the University. Unique career objectives of students may be met by working with a faculty committee and academic advisors in selecting a specially-tailored program that ultimately leads to a degree.

The Honors College

Outstanding students in the College of Education and Human 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, please refer to the Honors College information in this Catalog.

Tutoring Program

The Randall and Carol White Reading and Math Center within the School of Teaching, Learning and Educational Sciences offers elementary education undergraduate and graduate students a faculty-supervised opportunity to tutor school-age children interested in improving their reading and math skills.

Professional Development Conferences

Additional outreach conferences may include the Oklahoma Association of Elementary School Principals, the Oklahoma Association of Environmental Educators; the Oklahoma Education Association Annual Leadership Academy; and the Adult Basic Education Conference.

Alumni Association

The College of Education and Human Sciences sends an annual magazine to approximately 5,000 active members and communicates news and announcements to alumni through a monthly electronic

newsletter. The Alumni Society seeks to connect and engage alumni and friends to the college by hosting events throughout the year.

General Education Requirements

All undergraduate degrees in the College of Education and Human Sciences require a minimum of 40 semester hours in general education that include the following: English Composition, analytical and quantitative thought, United States history and government, natural science, social and behavioral studies, arts and humanities, diversity, international dimension and electives. All degrees are consistent with the current University General Education requirements and the Oklahoma State Regents for Higher Education standards.

Departmental Clubs and Honor Societies

American Association of Textile Chemists and Colorists
 American Society of Interior Designers Student Chapter
 College of Education & Human Sciences Ambassadors
 College of Education & Human Sciences Graduate Student Association
 College of Education & Human Sciences Student Council
 College of Education & Human Sciences Program for Learning, Adjustment, and Connection Excellence (CEHS P.L.A.C.E.)
 Early Childhood Education Club
 Educational Media and Technology Student Association
 Educational Psychology Student Society
 Elementary Educators of Tomorrow
 Family and Consumer Sciences Education Club
 Flying Aggies
 Graduate Students in Nutritional Sciences
 Health Promotion Club
 Human Development and Family Science Club
 International Facility Management Association Student Chapter
 International Interior Design Association Student Chapter
 Kappa Delta Pi (education honor society)
 Kappa Kappa Iota
 Master's Counseling Society
 Merchandising and Apparel Design Association
 Nutritional Sciences Club
 Omicron Tau Theta
 OSU National Science Teachers Association Student Chapter
 Phi Epsilon Kappa (health, physical education, recreation management and recreational therapy honor society)
 Phi Upsilon Omicron (scholarship and leadership honor society)
 Pre-Physical Therapy Club
 Rho Phi Lambda
 Recreation Management Club
 Recreational Therapy Majors Club
 School Psychology Graduate Student Organization
 Sigma Phi Omega (gerontology honor society)
 Student Oklahoma Education Association
 U.S. Green Building Council

Extension, Engagement, Continuing Education and International Programs

Extension, Engagement, Continuing Education, and International Programs work together to facilitate the delivery of non-credit coursework and academic programs. Consistent with the OSU mission and in conjunction with faculty and academic programs, Extension, Engagement, Continuing Education and International Programs provide support, services and programs to meet the professional needs of educators advancing the state of Oklahoma and the nation while

promoting and facilitating engagement of the college and university with state, national and international communities.

The goals of the unit are to reflect the expertise and promote the accomplishments of the College of Education and Human Sciences faculty and staff and to foster activities and learning that develop faculty and students for multiple futures. Specifically, these offices work to:

- facilitate international degree credit programs and non-degree programs which enable students and professionals to pursue their academic goals in ways that fit their schedule and personal situations;
- extend off-campus international degree programs to individuals pursuing degrees and professional certifications through a variety of different methods;
- provide opportunities for international experiences linking campus faculty and students to a wide range of global locations through travel trips, student teaching and cohort programs;
- assist workforce development initiatives through non-credit educational opportunities for employed adults in educational and governmental environments;
- coordinate professional conferences for the educational community, including school professionals and administrators, educational associations and state organizations; and
- offer community development and cultural enrichment opportunities.

Building on its land-grant heritage, Oklahoma State University's Extension, Engagement, Continuing Education and International Programs Unit promotes learning, advances knowledge, enriches lives, and stimulates economic development through teaching, research, extension, outreach and creative activities. The non-credit arm of the College of Education and Human Sciences supports the following programs:

OLLI @ OSU is a lifelong learning college geared toward those 50 and older, offering a wide variety of liberal arts classes and workshops in Stillwater, Tulsa, Oklahoma City and Bartlesville. OLLI's mission is to provide continuing education for seniors through classes, travel, and social enrichment activities. Founded in 2006 with a grant from the Bernard Osher Foundation and funding from the university, OLLI @ OSU joined a network of over 100 Osher Lifelong Learning Institutes, housed at colleges and universities throughout the United States. "Learning for the joy of learning" is the guiding principal of this community of learners, where there are no tests, and no grades but the opportunity for people of all backgrounds to keep active and informed. Classes are offered three semesters each year. olli@okstate.edu

The Continuing and Office of Educator Support provides non-credit course programming, certificates programs, professional education, and support for camps, conferences, and workshops affiliated with professional units throughout the College of Education and Human Sciences. osuehse@okstate.edu

Global and Community Engagement provides support to faculty, staff, students, and community partners. Supports the University Network on Community Engagement (UNCE) in their award-winning engagement and service-learning activities throughout the university. International Programs provides support for Study Abroad competencies for the college, serving graduate, undergraduate, and pre-professional students, expanding OSU's mission beyond the United States.

Academic Areas

- Design and Merchandising (p. 1911)
- Human Development and Family Science (p. 1933)
- Nutritional Sciences (p. 1971)
- Office of Educator Support (p. 1995)
- School of Community Health Sciences, Counseling and Counseling Psychology (p. 2001)
- School of Educational Foundations, Leadership and Aviation (p. 2025)
- School of Kinesiology, Applied Health and Recreation (p. 2081)
- School of Teaching, Learning and Educational Sciences (p. 2112)

Undergraduate Programs

- Aerospace Administration and Operations: Aerospace Security, BS (p. 2067)
- Aerospace Administration and Operations: Aviation Management, BS (p. 2070)
- Aerospace Administration and Operations: Professional Pilot, BS (p. 2073)
- Aerospace Administration and Operations: Technical Service Management, BS (p. 2075)
- Apparel Design and Technology, BS (p. 1922)
- Applied Exercise Science: Pre-Professional, BS (p. 2100)
- Applied Exercise Science: Sport and Coaching Science, BS (p. 2102)
- Applied Exercise Science: Strength and Conditioning, BS (p. 2104)
- Early Child Care and Development, BS (p. 1960)
- Elementary Education, BS (p. 2151)
- Fashion Merchandising, BS (p. 1927)
- Human Development and Family Science: Child and Family Services, BS (p. 1962)
- Human Development and Family Science: Early Childhood Education, BS (p. 1964)
- Human Development and Family Science: Family & Consumer Sciences Education, BS (p. 1967)
- Interior Design, BS (p. 1929)
- Nursing, BSN (p. 2014)
- Nursing: RN to BSN, BS (p. 2016)
- Nutritional Sciences: Allied Health, BS (p. 1984)
- Nutritional Sciences: Dietetics, BS (p. 1987)
- Nutritional Sciences: Human Nutrition/Pre-Medical Sciences, BS (p. 1989)
- Nutritional Sciences: Public Health Nutrition, BS (p. 1992)
- Public Health: Community Health, BS (p. 2021)
- Public Health: Exercise and Health, BS (p. 2023)
- Recreation and Athletic Management: Recreation Management, BS (p. 2106)
- Recreational Therapy, BS (p. 2109)
- Secondary Education: English, BS (p. 2155)
- Secondary Education: Foreign Language, BS (p. 2158)
- Secondary Education: Mathematics, BS (p. 2162)
- Secondary Education: Science, BS (p. 2165)
- Secondary Education: Social Studies, BS (p. 2167)

Minors

- Aerospace Administration and Operations: Aerospace Security (AAAS), Minor (p. 2066)
- Aerospace Administration and Operations: Aviation Management (AAAM), Minor (p. 2069)
- Aerospace Administration and Operations: Professional Pilot (AAPP), Minor (p. 2072)
- Child Development (CHDV), Minor (p. 1959)
- Creativity Studies (CRST), Minor (p. 2077)
- Fashion Design and Production (FDP), Minor (p. 1924)
- Fashion Merchandising (FMER), Minor (p. 1926)
- Gerontology (GERO), Minor (p. 1961)
- Human Services (HSVC), Minor (p. 1970)
- Learning and Motivation (LEMO), Minor (p. 2079)
- Nutritional Sciences (NSCI), Minor (p. 1983)
- Pre-Counseling (PCOU), Minor (p. 2017)
- Public Health (PH), Minor (p. 2019)
- Public School Support Specialist for Children At-Risk (PSSC), Minor (p. 2154)
- Recreation Management (RM), Minor (p. 2108)
- Special Education (SPED), Minor (p. 2170)
- Sports and Coaching Science (SPCS), Minor (p. 2111)
- Visual Merchandising (VMER), Minor (p. 1932)

Certificates

Undergraduate Certificates

- Fashion Design, UCRT (p. 1925)
- Fashion Design: Digital Product Creation, UCRT (p. 1926)
- Instructional Design, UCRT (p. 2078)
- Learning and Motivation, UCRT (p. 2080)
- Pre-Nursing, UCRT (p. 2018)
- Product Development for Apparel, UCRT (p. 1931)
- Public Health, UCRT (p. 2020)

Graduate Programs

- Apparel Design and Production, MS (<http://catalog.okstate.edu/education-human-sciences/design-housing-merchandising/#graduateprogramstext>)
- Applied Exercise Science, MS (p. 2098)
- Applied Human Services, MS (p. 1956)
- Aviation and Space Education, EdD (p. 2061)
- Aviation and Space, MS (p. 2061)
- College Interdisciplinary, EdD (p. 2061)
- College Student Development, MS (p. 2061)
- Counseling Psychology, PhD (p. 2012)
- Curriculum and Leadership Studies, MS (p. 2147)
- Curriculum Studies, PhD (p. 2147)
- Design, Housing and Merchandising, MS (p. 1920)
- Developmental and Family Science, MS (p. 1956)
- Dietetics, MS (p. 1981)
- Dietetics Research, MS (p. 1981)
- Early Childhood Education, MS (p. 1956)

- Educational Administration, EdS (p. 2061)
- Educational Administration, PhD (p. 2061)
- Educational Psychology, MS/PhD (p. 2061)
- Educational Research and Evaluation, MS (p. 2061)
- Educational Technology, MS (p. 2061)
- Elementary, MA (p. 2147)
- Family and Community Services, MS (p. 1956)
- Family and Consumer Sciences Education, MS (p. 1956)
- Family Financial Planning, MS (p. 1956)
- Foreign Language, MA (p. 2147)
- Gerontology, MS (p. 1956)
- Higher Education, EdD (p. 2061)
- Higher Education, MS (p. 2061)
- Higher Education, PhD (p. 2061)
- Human Development and Family Science, PhD (p. 1956)
- Interior Design, MS (<http://catalog.okstate.edu/education-human-sciences/design-housing-merchandising/#graduateprogramstext>)
- K-12 Education, MS (p. 2147)
- Learning, Design and Technology, PhD (p. 2061)
- Leisure Studies, MS (p. 2098)
- Leisure Studies, PhD (p. 2098)
- Marriage and Family Therapy, MS (p. 1956)
- Mathematics Education, PhD (p. 2147)
- Math/Science Education, MS (p. 2147)
- Mental Health Counseling, MS (p. 2012)
- Merchandising, MS (<http://catalog.okstate.edu/education-human-sciences/design-housing-merchandising/#graduateprogramstext>)
- Nutritional Sciences, PhD (p. 1981)
- Nutrition, MS (p. 1981)
- Professional Education Studies, PhD (p. 2147)
- Reading and Literacy, MS (p. 2147)
- Research and Evaluation, PhD (p. 2061)
- Retail Merchandising Leadership, MS (<http://catalog.okstate.edu/education-human-sciences/design-housing-merchandising/#graduateprogramstext>)
- School Administration, EdD (p. 2147)
- School Administration, MS (p. 2147)
- School Counseling, MS (p. 2012)
- School Library Media, MS (p. 2147)
- School Psychology, EdS (p. 2147)
- School Psychology, PhD (p. 2147)
- School Psychometrics, MS (p. 2061)
- Science Education, PhD (p. 2147)
- Secondary Mathematics, MA (p. 2147)
- Secondary Science, MA (p. 2147)
- Social Foundations Education, PhD (p. 2061)
- Special Education, MS (p. 2147)
- Workforce and Adult Education, MS (p. 2147)
- Workforce and Adult Education, PhD (p. 2147)

Graduate Certificates

The College of Education and Human Sciences offers on-campus graduate certificates in the following areas: aviation/aerospace

administration, building level leadership, college teaching, developmental disabilities, dietetics, digital design in design and merchandising, district level leadership, educational and psychological measurement, effective teaching in secondary schools, effective teaching in elementary schools, elementary mathematics specialist, facilitating career development, fashion merchandising, hidden student populations, infant mental health, online teaching, program evaluation, recreation and leisure management, school library media certification, special education, substance abuse counseling, statistical methods & analyses in education & behavioral sciences, and workforce and adult education. The College of Education and Human Sciences offers online graduate certificates in aging studies, aviation/aerospace administration, digital design in design and merchandising, facilitating career development, fashion merchandising, family financial planning, hidden student populations, learning and motivation, and substance abuse counseling.

Design and Merchandising

The mission of the Department of Design and Merchandising (DM) is to be recognized leaders in technology and sustainable design in partnership with industry and community. Three undergraduate majors are available: Apparel Design and Technology, Interior Design, and Fashion Merchandising. Each option requires a summer internship between the junior and senior years. Both fashion programs are accredited by the Textile and Apparel Programs Accreditation Committee (TAPAC), one of only four schools accredited in the United States.

Students in Apparel Design and Technology are preparing for careers in the apparel and sewn products industries. The program emphasizes the integration of design principles, construction methods, consumer preferences and preproduction strategies. Coursework includes principles of design, anthropometrics and pattern grading, apparel assembly and production, draping techniques, technical design and product lifestyle management, quality assurance, properties and performance evaluation of textiles, patternmaking, computer-aided design and technology, 3D Digital Design and a required internship to acquire apparel industry experience. The American Apparel and Footwear Association (AAFA) Education Foundation has identified 13 affiliated schools who are teaching undergraduate curriculum required by the industry. OSU is one of the 13 schools in North America who is 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. Coursework includes fundamentals of design, design analysis, ergonomics, concept development, space planning and programming, universal design principles, 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, design, and facility management, historic restoration and preservation, product design and sales management. 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.

Fashion is a \$3 trillion global business that offers some of the most diverse, inclusive, and rewarding careers. Fashion Merchandising includes activities like trend analysis, photoshoots, styling, visual communication and retail leadership roles from boutiques to large corporate stores. Buyers and planners support the industry by making sure that customers find the right product at the right time in stock at stores and online. Visual Merchandisers, Stylists, and web content Editors support the presentation of fashion goods and the contexts in which they are sold. A degree in Fashion Merchandising prepares future professionals for exciting careers in product development, buying and planning, e-commerce, retail management, graphic design, styling, and web design. Our graduates are employed by major global brands and enjoy unlimited opportunities for career advancement.

Students in all three majors will develop business management, communication, creative problem solving and administrative skills. Minors are available in Fashion Merchandising, Visual Merchandising and Apparel Design and Technology.

Admission Requirements

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

Total Hours Attempted	Minimum GPA required
Less than 31 hours	2.00
31-45 hours	2.25
Over 45 hours	2.50

Courses

DM 1003 Design Theory and Processes for Design and Merchandising

Prerequisites: DM/DHM majors and declared DM/DHM minors only.

Description: Design elements, principles and processes applied to design and merchandising. Previously offered as DHM 1003.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 1101 Wicked Problems of Industrial Practice

Description: An overview of the complex and seemingly unsolvable and ever-evolving environmental and social issues (wicked problems) of today's industrial practice. A brief introduction to sustainable design theory is also provided. Previously offered as DHM 1101.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 1103 Basic Apparel Assembly

Prerequisites: DHM or DM major only or declared DHM or DM minor or HDFS (Family and Consumer Sciences Education option) major.

Description: Basic apparel assembly techniques. Problems including basic fit, spreading and cutting methods and equipment, and use and application of sewing equipment, including lock, chain, and overedge. Previously offered as CTM 1103 and DHM 1103.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 1123 Graphics for Interior Design I

Prerequisites: DHM or ADT or FM or ID major.

Description: Drafting and visual communication techniques related to interiors. Previously offered as DHM 1123.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 1433 Fundamentals of the Fashion Industry

Description: An overview of variables affecting production and distribution of consumer goods; development of present structure in consumer products industries. Course previously offered as CTM 2433 and DHM 2433.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 1993 Communications and Presentation Techniques for Apparel Design

Prerequisites: DM 1003 with a minimum grade of C.

Description: Creative communication methods and techniques, including a variety of media for two- and three-dimensional presentations in apparel design. Previously offered as DHM 1993 and DHM 2993.

Credit hours: 3

Contact hours: Lab: 6 Contact: 6

Levels: Undergraduate

Schedule types: Lab

Department/School: Design & Merchandising

DM 2003 Problem Solving Strategies

Description: Participatory problem solving in design and merchandising; critique of proposed solutions as a positive process of evaluation. Previously offered as DHM 2003

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 2023 Commercial Styling for Merchandisers

Prerequisites: Grade of "C" or better in DM 1003, Fashion Merchandising majors and minors only. Taking ENGL 2513 is recommended.

Description: Introduction to commercial styling for web and print media, including basic concepts in photography. Products are styled for digital and print merchandising applications. Previously offered as DHM 2023.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 2033 VR and AR for Social Change

Description: Focus on using and applying Virtual Reality (VR) and Augmented Reality (AR) technology through a multidisciplinary approach to solving current societal problems by applying social science practices with innovative technology. How to develop 3D content, and apply these components effectively in VR/AR, form teams, and develop VR projects proposed by current events and conditions of the world. Turn your creative ideas into useful applications. This is a beginner-level course and is open to all students. No prior coding or design experience is required.

Credit hours: 3

Contact hours: Lab: 6 Contact: 6

Levels: Undergraduate

Schedule types: Lab

Department/School: Design & Merchandising

DM 2073 Computer-Aided Design for Interior Design

Prerequisites: Permission of Instructor and Pass Proficiency Review and minimum grade of C in both DM 1123 and DM 2233.

Description: Computer-aided design and drafting for two-dimensional and three-dimensional interior systems. Previously offered as DHM 2073, DHM 3373 and HICD 3373.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 2103 Interior Design Studio I: Residential

Prerequisites: Permission of Instructor and Pass Proficiency Review and a minimum grade of C in DM 1123 and DM 2233 and MATH 1513 or MATH 1583 or MATH 1613 and ENGL 1113.

Description: Studio course utilizing the design process in the analysis and planning of residential environments using computer-aided and hand drafting techniques. Previously offered as DHM 2103, DHM 3263 and HICD 3263.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 2204 Intermediate Apparel Assembly

Prerequisites: DM 1103 with minimum grade of "C".

Description: Development of skill in apparel assembly. Intermediate problems in fit, spreading, cutting, and sequencing of apparel assembly operations for lined garments, plaids, other special fabrics and closures. Course previously offered as DHM 2203, DHM 2204 and CTM 2203.

Credit hours: 4

Contact hours: Lecture: 1 Lab: 6 Contact: 7

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 2212 Heritage of Dress I

Prerequisites: 3 credit hours of History.

Description: Survey of ancient to Baroque European modes of dress, as that clothing reflects the environment and cultural life of a people. Previously offered as DHM 2212.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 2233 Graphics for Interior Design II

Prerequisites: DM 1123 with minimum grade of "C".

Description: Applied creative solutions to visual communication formats and media; free-hand sketching, informational graphics, rendering techniques for product and material illustrations, floor plans, elevations and 3-D room interiors/architectural detailing. Previously offered as DHM 2233.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 2263 Interior Design Studio II: Small Scale Contract

Prerequisites: DM 2073 and DM 2103 with minimum grade of "C".
Description: Analysis and planning of small office, hospitality and retail environments with emphasis on materials, lighting, codes and accessibility using computer-aided 2D drafting and 3D modeling techniques. Previously offered as DHM 2263, DHM 3363 and HIDC 3363.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 2302 Supervised Field Experience

Prerequisites: DM 2103 with minimum grade of "C".
Description: Field experience in specialized residential, commercial and institutional design with both historic and contemporary elements. Previously offered as DHM 2302.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 2403 Research Methods

Prerequisites: MATH 1483 or MATH 1513, with minimum grade of "C".
Description: Qualitative and quantitative data collection methodologies for the fields of Apparel, Interior Design and Merchandising. Basic understanding of data analysis and use of data to guide managerial decision making. Previously offered as DHM 2403.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 2423 Technology and Visual Communication for Merchandisers

Prerequisites: Fashion Merchandising majors and minors only. DM 1003 and DM 1433, both with a minimum grade of "C".
Description: The development of visual communication skills for marketing, promotional, and merchandising applications as well as personal branding utilizing industry-relevant technological practice. Previously offered as DHM 2423.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 2444 Draping

Prerequisites: DM 2204 with "C" or higher and pass proficiency review.
Description: Interpretation of garment design developed through the medium of draping on dress forms. Previously offered as DHM 2443, DHM 2444, DHM 4243, and CTM 4243.

Credit hours: 4

Contact hours: Lecture: 1 Lab: 6 Contact: 7

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 2573 Textile Science (LN)

Description: Science principles as the basis for understanding fibers, the basic structure of yarns and fabrics. Relationships between the chemical composition of fibers and properties such as tensile strength, flammability, elasticity, moisture absorption, and dye affinity. Understanding science principles in relation to textile properties for evaluation of textile products. Recommended for education majors seeking knowledge to be used for innovative teaching of science principles in grades K-12. Required for all DHM majors. Previously offered as CTM 2573 AND DHM 2573.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

General Education and other Course Attributes: Scientific Investigation, Natural Sciences

DM 2913 Sewn Product Quality Analysis

Prerequisites: DM 1433 and DM 2573, both with minimum grade of "C".
Description: Sewn product manufacturing process with emphasis on evaluating product quality and its relationship to performance. Examined from the retailers', manufacturers', and consumers' perspectives. Course previously offered as DHM 2013 and DHM 2913.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 3014 Flat Pattern Design

Prerequisites: DM 2444 with minimum grade of "C" and pass proficiency review.

Description: Interpretation of dress design developed through the medium of flat pattern; introduction to pattern drafting. Course previously offered as CTM 3013 and DHM 3014.

Credit hours: 4

Contact hours: Lab: 8 Contact: 8

Levels: Undergraduate

Schedule types: Lab

Department/School: Design & Merchandising

DM 3023 Computer-Aided Flat Pattern Design

Prerequisites: DM 3014 with minimum grade of "C" and pass proficiency review.

Description: Advanced apparel design problems using flat pattern and computer-aided design (CAD) techniques. Previously offered as DHM 3023.

Credit hours: 3

Contact hours: Lab: 6 Contact: 6

Levels: Undergraduate

Schedule types: Lab

Department/School: Design & Merchandising

DM 3033 Material Culture

Prerequisites: DM 3303 or DM 3213 with a minimum grade of "C" or permission of instructor.

Description: An exploration of a variety of theoretical approaches toward understanding what objects mean. Psychological, sociological, economic, and other approaches are examined using culture theory models. Previously offered as DHM 3033.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 3043 Digital Product Creation

Prerequisites: DM 3023 with a final grade of "C" or higher

Description: Advance your 2D design skills with 3D digital creation. Understand the importance of the 3D software as it pertains to the apparel industry. Introduction to 3D software programs (BZW, CLO).

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 3053 Quality Analysis for Apparel Design

Prerequisites: DM/DHM or ADT or FM majors only, and DM 1433, DM 2204, and DM 2573, all with a minimum grade of "C".

Description: Evaluation of product quality relating to target market, materials, and construction. Previously offered as DHM 3053.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 3103 Anthropometry and Ergonomics in Design

Prerequisites: DM 2403 with minimum grade of "C".

Description: Methods and principles for representing body size, fit, accommodation, proxemics, ease and product specific functionality to apparel, merchandising and built environment design. Previously offered as DHM 3103.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 3123 Advanced Technology for Apparel Design

Prerequisites: DHM or DM majors only and DM 1993 and DM 3023, both with a minimum grade of "C".

Description: Building on CAD skills using software as applied to apparel design and production. Development of technical packages and specification materials. Previously offered as DHM 3123.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 3173 Digital Design Communication

Prerequisites: DM 2073 with a minimum grade of "C".

Description: Introduction of digital media tools for 2D and 3D design visualization and presentation. Underlying concepts and techniques of computer applications for design communication. Previously offered as DHM 3173.

Credit hours: 3

Contact hours: Lab: 6 Contact: 6

Levels: Undergraduate

Schedule types: Lab

Department/School: Design & Merchandising

DM 3213 Heritage of Dress II (H)

Prerequisites: ENGL 1213 with minimum grade of "C" and 3 credit hours of history.

Description: Survey of historic modes of dress from the 18th to the 21st centuries, as that clothing reflects the environment and cultural life of a people, and change within the fashion industry. Previously offered as HIDC 3213 and CTM 3213 and DHM 3213.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

General Education and other Course Attributes: Humanities

DM 3233 Heritage of Interior Design I (H)

Prerequisites: DM 2103, DM 2233 and ENGL 1213, all with a minimum grade of "C".

Description: Religious, civic, commercial, and domestic architecture and furnishings prior to and including the 18th Century with emphasis on the periods which have greatly influenced housing and interior design. Previously offered as HIDC 3233 and DHM 3233.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

General Education and other Course Attributes: Humanities

DM 3303 Materials and Finishes for Interior Design

Prerequisites: DM 2263 with minimum grade of "C" (Interior Design students) or DM 2573 with minimum grade of "C" (Fashion Merchandising students).

Description: An overview and examination of interior materials and finishes. Previously offered as DHM 2303, DHM 3303 and HIDC 3303.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 3343 Interior Design Studio III: Interior Components and Construction Documents

Prerequisites: DM 2263 with minimum grade of "C".

Description: Studio course exploring the design, materials, construction and production of interior design components for small scale commercial projects using computer-aided and hand drafted documents and renderings for visualization of design solutions. Previously offered as DHM 2243, DHM 3243, DHM 3343, and HIDC 3243.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 3423 Editorial Styling for Merchandisers

Prerequisites: DM 2423 with minimum grade of "C".

Description: The production of artful images and the editorial styling techniques that support this production. Create content for digital and print merchandising applications, with an emphasis on editorial layout and social media design. Previously offered as DHM 3422 and DHM 3423.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 3433 Retail Strategies in the Digital Sector

Prerequisites: DHM or DM majors or declared DHM or DM Minors or by permission of instructor, DM 1433 and ECON 1113 or ECON 2103, all with a minimum grade of C.

Description: Study and application of retail merchandising in a virtual format. Emphasis on retail strategies and their impact on consumer experience in digital markets. Previously offered as DHM 3433.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 3453 Interior Design Studio IV: Environmental Design

Prerequisites: DM 3343 with minimum grade of "C".

Description: Exploration of the design factors and human performance criteria for lighting, acoustics, and thermal/atmospheric comfort and their applications in studio projects using computer-aided and hand drafted techniques. Previously offered as DHM 3253, DHM 3453 and HIDC 3253.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 3533 Textile Surface Design

Prerequisites: DM 1003 and DM 2573 and DM 1993 or DM 2423, all with minimum grade of "C".

Description: Traditional and contemporary dyeing, printing, stitching, and other textile surface manipulation techniques are practiced in a portfolio of individual projects. Exercises in color theory and production inform textile design work. Aesthetic, methodological, and environmental tradeoffs are considered in relation to designing textile surfaces. Course previously offered as DHM 3533 and CTM 3533.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 3553 Profitable Merchandising Analysis

Prerequisites: MATH 1483 or MATH 2103 or MATH 1513, all with minimum grade of "C".

Description: Relationship analysis of profit and loss statement. Retail mathematical calculations necessary to plan and control merchandising results, open-to-buy, mark-up, mark-down, turn-over, stock-sales ratio. Initial development of a six-month buying plan. Previously offered as DHM 3553.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 3563 Merchandise Acquisition and Allocation

Prerequisites: DM 3433 and DM 3553, both with minimum grade of "C".

Description: In-depth study of buying and distributing merchandise. Previously offered as DHM 3563.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 3823 Professional Practices for Interior Design

Prerequisites: DM 2263 with minimum grade of "C".

Description: Specific terminology, procedures, relationships and ethics pertaining to the organization and conduct of interior design practice globally. Previously offered as DHM 3823 and HIDC 3823.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 3853 Visual Merchandising

Prerequisites: "C" or better in DM 2423.

Description: Study and application of principles and practices in merchandise presentation for commercial purposes. Course previously offered as CTM 3853 and DHM 3853.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 3881 Interior Design Pre-Internship Seminar

Prerequisites: DHM or DM majors only. DM 2073 and DM 3343 and DM 3823 and EDHS 1112 or EDHS 3112, all with minimum grade of "C", Junior standing, and 2.5 major GPA.

Description: Preparation for obtaining and completing a directed practical experience in a work situation in the interior design field. Previously offered as DHM 3881.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 3991 Pre-Internship Seminar

Prerequisites: ADT/ADP option: DM 1003 or DM 2003 or DM 2573 and DM 3123. FMER/MERC option: DM 1003 and DM 2003 and DM 2573 and DM 3433. ID option: DM 2073 and DM 3343 and DM 3823. All options: DHM or DM majors only. EDHS 1112 or EDHS 3112 and 2.5 major GPA.

Description: Preparation for obtaining a directed practical experience in a work setting related to design or merchandising. Previously offered as CTM 3991 and DHM 3991.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 3993 Global Sourcing Strategies

Prerequisites: ECON 1113 or ECON 2103 or ECON 2203 with minimum grade of "C" and Junior standing.

Description: Broad multi-disciplinary study of the soft goods industries in the global economy. Previously offered as DHM 4993.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 3994 Professional Internship in Merchandising or Apparel Design and Production

Prerequisites: DHM or DM majors only and DM 3991 and (merchandising students) DM 3553 and DM 3853 or (apparel design and technology students) DM 3023 and DM 3123, all with minimum grade of "C" and EDHS 1112 or EDHS 3112.

Description: Directed practical experience in an approved work situation related to the fashion industry. Course previously offered as DHM 3994.

Credit hours: 4

Contact hours: Contact: 4 Other: 4

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Design & Merchandising

DM 4010 Fashion Show Production

Description: Focus on fashion show production and promotion. Event management and public relation skills will be developed in the context of organizing a fashion show that highlights original student design work. Leadership and group interaction skills will be emphasized. Previously offered as DHM 4010. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Lecture: 1-3 Contact: 1-3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4011 Post-Internship Seminar

Prerequisites: DM majors only, DM 3994.

Description: Study and comparison of student work experiences. Individual student conferences, review of merchant supervisor reactions. Previously offered as CTM 4011 and DHM 4011.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4013 Advanced Visual Communication for Merchandisers

Prerequisites: Grade of "C" or better in DM 3853, Fashion Merchandising majors or minors only.

Description: Advanced visual communication skills for marketing, promotional, and merchandising applications as well as personal branding utilizing industry-relevant technology practice. Previously offered as DHM 4013.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 4023 Advanced Retail Strategies for Merchandisers

Prerequisites: Grade of "C" or better in DM 3563, or instructor permission to enroll for non-DM majors.

Description: Students will use a combination of small to large quantitative data sets from the merchandising industry to support managerial decision making. Dashboard visualization software based analytical problem-solving approaches will be explored throughout the course. The goal of the course is to strengthen students' analytical skills while learning effective ways to present quantitative information to diverse industry stakeholders. Previously offered as DHM 4023.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4031 Empathic Design

Description: Exploration of a socially-oriented approach to sustainable design. Learners "step into" the lives of socially constructed groups in the U.S. to develop empathy and perform hands-on research and design. Completion of DM 1101, Wicked Problems of Industrial Practice, is recommended prior to enrolling in this course. May not be used for degree credit with DM 5031. Previously offered as DHM 4031.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4033 Digital Product Creation II

Prerequisites: DM 3043, with final grade of "C" or higher.

Description: Continue to improve your knowledge and proficiency in 3D with advance skills with avatars, materials, pattern creation, styling and simulations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4040 International Studies in Design and Merchandising

Description: Selected areas of international study in Design and Merchandising. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours. Previously offered as DHM 4040.

Credit hours: 1-6

Contact hours: Lecture: 1-6 Contact: 1-6

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4041 Triple Bottom Line Analysis

Description: Quantitative analysis and evaluation of the economic, environmental, and social costs associated with industry practice. Completion of DM 1101, Wicked Problems of Industrial Practice, is recommended prior to enrolling in this course. May not be used for degree credit with DM 5041. Previously offered as DHM 4041.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4043 Advanced Digital Product Creation

Prerequisites: DM 4033, with a final grade of "C" or higher.

Description: Determine your path to 3D garment creation with advanced 3D design knowledge. Increase your skill set in 3D with advanced rendering, garment construction and animating Avatars.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4050 Biomimetic Industrial Practices

Prerequisites: Completion of DM 1101, Wicked Problems of Industrial Practice, is recommended prior to enrolling in this course.

Description: Exploration of sustainable solutions to challenges imposed by human beings through emulation of principles inherent in how nature works with an emphasis on applications in design. Completion of DM 1101, Wicked Problems of Industrial Practice, is recommended prior to enrolling in this course. May not be used for degree credit with DM 5050. Previously offered as DHM 4050 and DHM 4051. Offered for variable credit, 1-3 credit hours, maximum of 3 credit hours.

Credit hours: 1-3

Contact hours: Lecture: 1-3 Contact: 1-3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4053 Capstone in DPC

Prerequisites: DM 4043, with a final grade of "C" or higher.

Description: Advance your skills and focus your individual path as an artist, designer and tech designer. As a technical designer it is important to have a grasp of the skills required. This course will expand on pattern and garment fit in relation to 3D and actual fit model. We will also expand on creating these garments in multi-sizes, garment construction, marker consumption and bill of materials.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4061 Active Design

Description: Principles of design of products and human-built environments that encourage physical activity, improving the health of individuals, communities, and the planet. Completion of DM 1101, Wicked Problems of Industrial Practice, is recommended prior to enrolling in this course. Previously offered as DHM 4061.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4063 Sustainability in the Built Environment

Prerequisites: Senior standing

Description: This course utilizes a project-based learning approach to educate students about sustainability requirements in the built environment. Students will learn to connect concepts to practical application through the integrative design process. Students will be prepared to sit for the LEED exam after successfully completing this course. Previously offered as DHM 4021.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 4071 Communicating Sustainable Practices

Description: Exploration of the variety of ways in which designers and merchandisers communicate sustainability product and service features, including an examination of regulatory oversight and other mechanisms that support transparency such as certification, labeling, and reporting. Completion of DM 1101, Wicked Problems of Industrial Practice, is recommended prior to enrolling in this course. May not be used for degree credit with DM 5071. Previously offered as DHM 4071.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4081 Design Activism

Description: Exploration of theories for social and environmental justice addressing designers' and merchandisers' roles as positive change agents. Focus on theories and applied methods demonstrating activism as a catalyst to reinvigorate the social practice of design and merchandising. Completion of DM 1101, Wicked Problems of Industrial Practice, is recommended prior to enrolling in this course. May not be used for degree credit with DM 5081. Previously offered as DHM 4081.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4091 Sustainable Materials Flows

Description: Introduction to the design philosophy that biological and technical waste can be recycled indefinitely to feed the manufacturing industry. Case studies of practical applications. Challenges and rewards regarding implementation of the design principles. May not be used for degree credit with DM 5091. Previously offered as DHM 4091.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4111 Ethics for a Sustainable World

Description: Exploration of ethical dilemmas and decision-making criteria in design and merchandising practice. Completion of DM 1101, Wicked Problems of Industrial Practice, is recommended prior to enrolling in this course. May not be used for degree credit with DM 5111. Previously offered as DHM 4111.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4121 Sustainable Textile Innovation

Description: Examines the current practices that are detrimental to the global environment at different stages of textile production (i.e. fiber, yarn, fabrics, apparel, and interior furnishing production). This includes the exploration of the impact of technological developments on the environment, and current industry initiatives. Regulatory guidelines and voluntary certifications pertaining to textile innovation are introduced. Basic understanding of textile production is recommended. May not be used for degree credit with DM 5121. Previously offered as DHM 4121.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4131 Spirituality and Sustainability

Prerequisites: DM 1101.

Description: The development of human belief, including one's awareness of their connection to something larger than themselves, and how belief influences one's habits and practices, in light of the ecological crisis. A range of spiritual perspectives including "eco-spirituality," "eco-justice," and "creation care" that inform ecological practice in the U.S. are examined. An exploration of the spiritual dimensions of daily life are emphasized in the course, offering a personal exploration of one's own beliefs and sense of spirituality. Previously offered as DHM 4131.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4141 Life Cycle Analysis in Design and Merchandising

Description: Principles and application of Life Cycle Assessment (LCA) technique for products, processes, and activities. Analyses of energy and material inputs and outputs and their impact on the environment and human health; implications for decision-making. Completion of DM 1101, Wicked Problems of Industrial Practice, is recommended prior to enrolling in this course. May not be used for degree credit with DM 5141. Previously offered as DHM 4141.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4143 Design for Special Needs

Description: Problems and alternative solutions for apparel and interiors for special groups, e.g., the aging, children, the handicapped, special markets. Includes field study or design problem. Previously offered as HICD 4143 and DHM 4143.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4151 Sustainable Consumption

Description: An exploration of principles and concepts of sustainable consumption and analysis of the application of sustainability in consumers' daily lives. Completion of DM 1101, Wicked Problems of Industrial Practice, is recommended prior to enrolling in this course. May not be used for degree credit with DM 5151. Previously offered as DHM 4151.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4153 Pre-Production Processes

Prerequisites: DHM or DM majors only and DM 3123 and DM 3053, both with a minimum grade of "C".

Description: Understanding and applying pre-production strategies for apparel related products. Includes design for production, with technical design applications including CAD marker pattern making, material utilization, production simulation, 3D modeling and costing. Previously offered as DHM 3153, DHM 4153 and CTM 3153.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 4161 Biophilic Design

Prerequisites: The completion of DM 1101 Wicked Problems of Industrial Practice is recommended.

Description: A brief introduction to Biophilic Design as an approach to designing. Learn how to build environments while improving connectivity to natural environments through the use of nature directly and indirectly, along with space and place conditions. Health, environmental and economic benefits to individuals will also be discussed. Previously offered as DHM 4161.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4163 Housing in Other Cultures

Description: Housing and interior design and expressions of cultural beliefs, attitudes, family patterns and environmental influences. Previously offered as DHM 4163 and HICD 4163.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4203 Functional Clothing Design

Prerequisites: DM 2573 and DM 3123, both with a minimum grade of "C".

Description: Problem solving approach to functional clothing design for specialized market segments (athletic, sportswear, clothing for the physically challenged) including performance evaluation of selected materials using standard methods of textile testing. Previously offered as CTM 3203 and DHM 3203.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4264 Interior Design Studio V: Large Scale Commercial

Prerequisites: DM 3453 and DM 4373 and DM 4824, all with a minimum grade of "C".

Description: Analysis of large scale office planning and institution design including systems and specifications and emphasizing computer-aided design techniques for construction documents and presentations. Previously offered as DHM 4263, DHM 4264 and HICD 4293.

Credit hours: 4

Contact hours: Lab: 8 Contact: 8

Levels: Undergraduate

Schedule types: Lab

Department/School: Design & Merchandising

DM 4294 Interior Design Studio VI - Capstone

Prerequisites: DM 4264 with a minimum grade of "C".

Description: Studio course utilizing the design process in the analysis and planning of hospitality design and/or institutional design such as health care and education. Approaches include the consideration of the impact on facility management. Previously offered as DHM 4293, DHM 4294 and HICD 4293.

Credit hours: 4

Contact hours: Lab: 8 Contact: 8

Levels: Undergraduate

Schedule types: Lab

Department/School: Design & Merchandising

DM 4323 Heritage of Interior Design II (I)

Description: Exploration of the architecture, interiors and furnishings of a variety of structures. Residential, commercial, governmental, institutional, and recreational buildings of different cultures of the 19th and 20th centuries. Previously offered as HICD 3333, HICD 4323 and DHM 4323.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

General Education and other Course Attributes: International Dimension

DM 4373 Advanced Computer-Aided Design for Interior Design

Prerequisites: DM 2073, with a minimum grade of "C".

Description: Advanced computer-aided design and visualization for three-dimensional interior systems. Previously offered as DHM 4373.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 4403 Advanced Apparel Design

Prerequisites: DM 2444 and DM 3023, with a minimum grade of "C".

Description: Application of design and pattern-making principles and apparel assembly processes in the development of original designs. Course previously offered as CTM 4403 and DHM 4403.

Credit hours: 3

Contact hours: Lab: 6 Contact: 6

Levels: Undergraduate

Schedule types: Lab

Department/School: Design & Merchandising

DM 4433 Facility Management and Design

Description: Survey of nine competency areas of facility management and design, ensuring functionality of the built environment by integrating people, places, processes and technology. Previously offered as DHM 4433.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4453 Product Development Process

Prerequisites: ECON 1113 or ECON 2103, with a minimum grade of "C".

Description: The processes for new product development targeted to a specific market of consumers for start-up and established companies. Previously offered as CTM 4453 and DHM 4453.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Design & Merchandising

DM 4503 Couture Techniques

Prerequisites: DM 2444, with a minimum grade of "C".

Description: Advanced clothing construction techniques using couture methods. Previously offered as DHM 4503.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Design & Merchandising

DM 4523 Critical Issues in Design and Merchandising**Prerequisites:** Senior standing in DHM/DM major.**Description:** Capstone course examining professional issues in design and merchandising in the context of central themes from general education. Course previously offered as CTM 4523 and DHM 4523.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Design & Merchandising**DM 4533 Diversity Issues in Facility Management and Design****Description:** In-depth study of facility management and design issues focused on diversity in a variety of workplace types including: offices, retail stores, hotels, restaurants, government, educational and cultural institutions. Previously offered as DHM 4533.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Design & Merchandising**DM 4573 Sustainable Design for Apparel and Interiors****Prerequisites:** CHEM 1014 or equivalent, and DM 2573, DM 3033 and Senior standing. Non DM majors: no prerequisite.**Description:** A brief review of contemporary environmental, social and economic issues associated with industry practice; a broad exploration of sustainable design theories which may be applied in the apparel and interiors fields, from eco-efficiency to socially-driven changes. Previously offered as DHM 4573.**Credit hours:** 3**Contact hours:** Lecture: 2 Lab: 2 Contact: 4**Levels:** Undergraduate**Schedule types:** Lab, Lecture, Combined lecture and lab**Department/School:** Design & Merchandising**DM 4583 Sustainable Design Capstone****Prerequisites:** DM 1101 with a minimum grade of "C" and Permission of Instructor.**Description:** Work with community leaders and/or organizations to complete transdisciplinary service-learning projects that require the application of sustainable design concepts to solve local problems. Public dissemination of lessons learned. Previously offered as DHM 4583.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Design & Merchandising**DM 4810 Problems in Design and Merchandising****Prerequisites:** Consent of instructor.**Description:** Selected areas of study in design and merchandising. Previously offered as DHM 4810. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.**Credit hours:** 1-6**Contact hours:** Contact: 1-6 Other: 1-6**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Design & Merchandising**DM 4824 Professional Internship****Prerequisites:** ADP option: DM 3023 and DM 3123. ID option: DM 3453 and DM 4373. Merch option: DM 3553 and DM 3853. All options: DHM or DM majors only, 2.5 major GPA and DM 3991.**Description:** A supervised internship experience that simulates the responsibilities and duties of a practicing professional in a work situation related to design in merchandising. Previously offered as DHM 4820 and DHM 4824.**Credit hours:** 4**Contact hours:** Contact: 4 Other: 4**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Design & Merchandising**DM 4850 Special Unit Course in Design and Merchandising****Description:** In-depth study of specific areas of design and merchandising. Previously offered as HICD 4850 and DHM 4850. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.**Credit hours:** 1-6**Contact hours:** Contact: 1-6 Other: 1-6**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Design & Merchandising**DM 4893 Fundamentals of Medical Smart Garment Engineering****Prerequisites:** Senior standing or higher.**Description:** Students will gain elementary knowledge in focus areas of health science, biomedical sensing and analysis, and apparel design necessary to undertake the development of wearable electronic sensing systems. Lecture and laboratory systems. May not be used for degree credit with BIOM 6893, IEM 4893 or IEM 5893. Previously offered as DHM 4893.**Credit hours:** 3**Contact hours:** Lecture: 2 Lab: 2 Contact: 4**Levels:** Undergraduate**Schedule types:** Lab, Lecture, Combined lecture and lab**Department/School:** Design & Merchandising**DM 4900 Honors Creative Component****Prerequisites:** College of Education and Human Sciences Honors Program participation, senior standing.**Description:** Guided creative component for students completing requirements for College Honors in the College of Education and Human Sciences. Thesis, creative project or report under the direction of a faculty member in the major area, with second faculty reader and oral examination. Previously offered as DHM 4900. Offered for variable credit, 1-3 credit hours, maximum of 3 credit hours.**Credit hours:** 1-3**Contact hours:** Contact: 1-3 Other: 1-3**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Design & Merchandising

Undergraduate Programs

- Apparel Design and Technology, BS (p. 1922)
- Fashion Merchandising, BS (p. 1927)
- Interior Design, BS (p. 1929)

Graduate Programs

The Department of Design and Merchandising offers graduate work leading to the Master of Science in Design, Housing and Merchandising. The program is 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 Education and 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.

Teaching Instructor: Diane Limbaugh, MS

The Master of Science Degree

The Master of Science degree is awarded in four options—Apparel Design and Production, Interior Design, Merchandising, and Retail Merchandising Leadership (offered online through the Great Plains Interactive Distance Education Alliance)—and 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 non-thesis options are available. For retail merchandising leadership master students a non-thesis plan is required. 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 and merchandising will be required as prerequisites. The newest offering is an accelerated MS degree for current students in Apparel Design and Production and Interior Design where students can earn the MS degree in one year beyond the BS degree.

More detailed information on graduate study in the Department of Design and Merchandising can be obtained from the department website <https://education.okstate.edu/departments-programs/design-housing-merchandising/index.html> (<https://education.okstate.edu/departments-programs/design-housing-merchandising/>) or by writing the head of the department.

Minors

- Fashion Design and Production (FDP), Minor (p. 1924)
- Fashion Merchandising (FMER), Minor (p. 1926)
- Visual Merchandising (VMER), Minor (p. 1932)

Certificates

- Fashion Design, UCRT (p. 1925)
- Fashion Design: Digital Product Creation, UCRT (p. 1926)
- Product Development for Apparel, UCRT (p. 1931)

Faculty

Lynn M. Boorady, PhD—Professor and Department Head

Associate Professor and Associate Department Head: Greg Clare, PhD

Associate Professor and Graduate Coordinator: Aditya Jayadas, PhD

Professor: Paulette Hebert, PhD

Associate Professors: Cosette Armstrong, PhD; Tilanka Chandrasekera, PhD; Semra Peksoz, PhD; Adriana Petrova, PhD; June Park, PhD; Emily Roberts, PhD

Assistant Professors: Sumit Mandal, PhD; Hebatalla Nazmy, PhD; Nishan Wijetunge, PhD

Apparel Design and Technology, BS

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.00

Total Hours: 122

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
Minimum grade of "C"		
Select one of the following:		3
MATH 1483	Mathematical Functions and Their Uses (A)	
MATH 1513	College Algebra (A)	
MATH 2103	Business Calculus (A)	
<i>Humanities (H)</i>		
DM 3213	Heritage of Dress II (H)	3
Course designated (H)		3
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
DM 2573	Textile Science (LN)	3
Course designated (N)		3
<i>Social & Behavioral Sciences (S)</i>		
PSYC 1113	Introductory Psychology (S)	3
or SOC 1113	Introductory Sociology (S)	
<i>Additional General Education</i>		
Courses Designated (A), (H), (N), or (S)		10
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
At least one Diversity (D) course		
At least one International Dimension (I) course		
College/Departmental Requirements		
<i>Human Sciences</i>		
EDHS 1112	First Year Seminar	2
or EDHS 3112	Education and Human Sciences First-Year Seminar for Transfer Students	
HDFS 2113	Lifespan Human Development (S)	3

Hours Subtotal		5
Major Requirements		
Minimum grade of "C" in each course		
<i>Major Core Requirements</i>		
DM 1003	Design Theory and Processes for Design and Merchandising	3
DM 1103	Basic Apparel Assembly	3
DM 1433	Fundamentals of the Fashion Industry	3
DM 1993	Communications and Presentation Techniques for Apparel Design	3
DM 2003	Problem Solving Strategies	3
DM 2204	Intermediate Apparel Assembly	4
DM 2403	Research Methods	3
DM 2444	Draping	4
DM 3014	Flat Pattern Design	4
DM 3023	Computer-Aided Flat Pattern Design	3
DM 3033	Material Culture	3
DM 3053	Quality Analysis for Apparel Design	3
DM 3123	Advanced Technology for Apparel Design	3
DM 3991	Pre-Internship Seminar	1
DM 3993	Global Sourcing Strategies	3
DM 4153	Pre-Production Processes	3
DM 4203	Functional Clothing Design	3
DM 4824	Professional Internship	4
ECON 1113	The Economics of Social Issues (S)	3
or ECON 2103	Introduction to Microeconomics (S)	
Minimum grade of "C" for ECON course		
MGMT 3013	Fundamentals of Management (S)	3
MKTG 3213	Marketing (S)	3
DM 3533	Textile Surface Design	3
DM 4403	Advanced Apparel Design	3
Controlled Electives		
Select 3 hours of the following:		3
DM 3103	Anthropometry and Ergonomics in Design	
DM 4010	Fashion Show Production	
DM 4453	Product Development Process	
ART 1103	Drawing I	
ART 2243	Jewelry and Metals I	
EEE 3033	Women and Minority Entrepreneurship	
TH 4673	Advanced Costume Construction	
MGMT 3123	Managing Behavior and Organizations	
3 hours foreign language may be used		
Hours Subtotal		74
General Electives		
Select 3 hours of electives.		3
Hours Subtotal		3
Total Hours		122

Other Requirements

- 40 upper-division hours required.
- A 2.50 Major GPA is required. This includes all courses in College and Major Requirements.

- A 2.50 Major GPA is required for full admission to the Internship Program.
- Proficiency review required to take upper-level DM Fashion Design courses.
- Transfer Admission Requirements: 2.00 for less than 31 hours; 2.25 for 31-45 hours; 2.50 for more than 45 hours and minimum grade of "C" in MATH 1483 Mathematical Functions and Their Uses (A) or MATH 1513 College Algebra (A) or MATH 2103 Business Calculus.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Fashion Design and Production (FDP), Minor

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Department of Design and Merchandising, Diane Limbaugh, 429E Nancy Randolph Davis, 405-744-5035

Minimum Overall Grade Point Average: 2.50

Total Hours: 27

Code	Title	Hours
Minor Requirements		
DM 1003	Design Theory and Processes for Design and Merchandising	3
DM 1103	Basic Apparel Assembly	3
DM 1433	Fundamentals of the Fashion Industry	3
DM 1993	Communications and Presentation Techniques for Apparel Design	3
DM 2204	Intermediate Apparel Assembly	4
DM 2444	Draping	4
DM 2573	Textile Science (LN) ¹	3
or DM 3023	Computer-Aided Flat Pattern Design	
DM 3014	Flat Pattern Design	4
Total Hours		27

1

DM 3023 for Merchandising majors.

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.
- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (<https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf>).

Fashion Design, UCRT

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Total Hours: 30

Code	Title	Hours
Course Requirements		
DM 1003	Design Theory and Processes for Design and Merchandising	3
DM 1103	Basic Apparel Assembly	3
DM 1433	Fundamentals of the Fashion Industry	3
DM 1993	Communications and Presentation Techniques for Apparel Design	3
DM 2204	Intermediate Apparel Assembly	4
DM 2444	Draping	4
DM 2573	Textile Science (LN)	3
DM 3014	Flat Pattern Design	4
DM 3023	Computer-Aided Flat Pattern Design	3
Total Hours		30

Other Requirements

- Minimum of "C" required in all courses;
- All students must go through the FDP review process following DM 2204.

Fashion Design: Digital Product Creation, UCRT

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Code	Title	Hours
Program Core		
DM 3023	Computer-Aided Flat Pattern Design	3
DM 3043	Digital Product Creation	3
DM 4033	Digital Product Creation II	3
DM 4043	Advanced Digital Product Creation	3
DM 4053	Capstone in DPC	3
DM 4810	Problems in Design and Merchandising	1
Total Hours		16

Fashion Merchandising (FMER), Minor

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Department of Design and Merchandising, Diane Limbaugh, 431 Nancy Randolph Davis, 405-744-5035

Minimum Overall Grade Point Average: 2.50

Total Hours: 18

Code	Title	Hours
Minor Requirements		
DM 1433	Fundamentals of the Fashion Industry	3
DM 2573	Textile Science (LN)	3
DM 3433	Retail Strategies in the Digital Sector	3
DM 3553	Profitable Merchandising Analysis	3
DM 3563	Merchandise Acquisition and Allocation	3
DM 4453	Product Development Process	3
Total Hours		18

Other Requirements

- Acceptance to the minor is based on an overall GPA of 2.0 if less than 31 hours completed; 2.25 if 31-45 hours completed; 2.50 if over 45 hours completed.
- DM majors must complete 12 credit hours in addition to the requirements for their option.
- Minimum of "C" required in all minor courses.

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.

- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (<https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf>).

Fashion Merchandising, BS

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.00

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
Select one of the following:		3
MATH 1483	Mathematical Functions and Their Uses (A)	
MATH 1513	College Algebra (A)	
MATH 2103	Business Calculus (A)	
Minimum grade of "C" or (A) course		
<i>Humanities (H)</i>		
DM 3213	Heritage of Dress II (H)	3
Courses designated (H)		3
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
DM 2573	Textile Science (LN)	3
Course designated (N)		3
<i>Social & Behavioral Sciences (S)</i>		
ECON 1113	The Economics of Social Issues (S)	3
or ECON 2103	Introduction to Microeconomics (S)	
Minimum grade of "C" for ECON course		
<i>Additional General Education</i>		
Courses Designated (A), (H), (N), or (S)		10
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
At least one Diversity (D) course		
At least one International Dimension (I) course		
College/Departmental Requirements		
<i>Human Sciences</i>		
EDHS 1112	First Year Seminar	2
HDFS 2113	Lifespan Human Development (S)	3

Hours Subtotal		5
Major Requirements		
Minimum grade of "C" in each course		
<i>Major Core Requirements</i>		
DM 1003	Design Theory and Processes for Design and Merchandising	3
DM 1433	Fundamentals of the Fashion Industry	3
DM 2003	Problem Solving Strategies	3
DM 2403	Research Methods	3
DM 2423	Technology and Visual Communication for Merchandisers	3
DM 2913	Sewn Product Quality Analysis	3
DM 3033	Material Culture	3
DM 3433	Retail Strategies in the Digital Sector	3
DM 3853	Visual Merchandising	3
DM 3991	Pre-Internship Seminar	1
DM 4453	Product Development Process	3
DM 4824	Professional Internship	4
DM 3993	Global Sourcing Strategies	3
ENGL 2513	Introduction to Creative Writing (H)	3
MKTG 3213	Marketing (S)	3
STAT 2013	Elementary Statistics (A)	3
or STAT 2023	Elementary Statistics for Business and Economics (A)	
DM 3553	Profitable Merchandising Analysis	3
DM 3563	Merchandise Acquisition and Allocation	3
DM 4023	Advanced Retail Strategies for Merchandisers	3
MGMT 3013	Fundamentals of Management (S)	3
<i>Controlled Electives</i>		
Select 9 hours from the following:		9
DM 3103	Anthropometry and Ergonomics in Design	
DM 3423	Editorial Styling for Merchandisers	
DM 4010	Fashion Show Production	
DM 4040	International Studies in Design and Merchandising	
DM 4533	Diversity Issues in Facility Management and Design	
DM 4810	Problems in Design and Merchandising	
ENGL 4553	Visual Rhetoric and Design	
ENGL 4583	Writing for the Public	
ENGL 4543	Style and Editing	
AMST 3653	The Body in American Culture (DH)	
PHIL 3773	Social Media Today (H)	
MGMT 3123	Managing Behavior and Organizations	
MGMT 3313	Human Resource Management	
MGMT 4213	Managing Diversity in the Workplace (D)	
MGMT 4533	Leadership Dynamics	
MKTG 3433	Promotional Strategy	
MKTG 4513	Sales Management	
MKTG 4773	Services Marketing	
MKTG 4543	Social Media Strategies	
May use one of the following:		

MGMT 4021	Managing Professional Relationships
MGMT 4031	Leading Organizational Change
MGMT 4041	Performance Management
MGMT 4051	Creating Ethical Work Places
MGMT 4061	Managing Confrontations

A maximum of 6 hours of foreign language may be used

Hours Subtotal	68
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Electives

Electives can be met with any additional courses providing student meets required prerequisites. It is highly recommended students take advantage of off-campus study programs and study abroad opportunities. See your advisor to discuss ways you can increase your global competency by studying abroad.

Select 7 hours	7
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Hours Subtotal	7
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Total Hours	120
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Other Requirements

- 40 upper-division hours required.
- A 2.50 Major GPA is required. This includes all courses in College and Major Requirements.
- A 2.50 Major GPA is required for full admission to the Internship Program.
- Transfer Admission Requirements: 2.00 for less than 31 hours; 2.25 for 31-45 hours; 2.50 for more than 45 hours and minimum grade of "C" in MATH 1483 Mathematical Functions and Their Uses (A) or MATH 1513 College Algebra (A) or MATH 2103 Business Calculus (A)

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Interior Design, BS

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.00

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Minimum grade of "C"		
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
Select one of the following:		3
MATH 1513	College Algebra (A)	
MATH 1583	Applied Geometry and Trigonometry (A)	
MATH 1613	Trigonometry (A)	
Minimum grade of "C" for (A) course		
<i>Humanities (H)</i>		
DM 3233	Heritage of Interior Design I (H)	3
Courses designated (H)		3
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
DM 2573	Textile Science (LN)	3
Course designated (N)		3
<i>Social & Behavioral Sciences (S)</i>		
SOC 3223	Social Psychology (S)	3
<i>Additional General Education</i>		
Courses Designated (A), (H), (N), or (S)		10
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
At least one Diversity (D) course		
At least one International Dimension (I) course		
College/Departmental Requirements		
<i>Human Sciences</i>		
EDHS 1112	First Year Seminar	2
HDFS 2113	Lifespan Human Development (S)	3
Hours Subtotal		5

Major Requirements

Minimum grade of "C" in each course		
DM 1003	Design Theory and Processes for Design and Merchandising	3
DM 2003	Problem Solving Strategies	3
DM 2403	Research Methods	3
DM 3033	Material Culture	3
DM 1123	Graphics for Interior Design I	3
DM 2073	Computer-Aided Design for Interior Design	3
DM 2103	Interior Design Studio I: Residential	3
DM 2233	Graphics for Interior Design II	3
DM 2263	Interior Design Studio II: Small Scale Contract	3
DM 2302	Supervised Field Experience	2
DM 3173	Digital Design Communication	3
DM 3303	Materials and Finishes for Interior Design	3
DM 3343	Interior Design Studio III: Interior Components and Construction Documents	3
DM 3453	Interior Design Studio IV: Environmental Design	3
DM 3823	Professional Practices for Interior Design	3
DM 3991	Pre-Internship Seminar	1
DM 4264	Interior Design Studio V: Large Scale Commercial	4
DM 4294	Interior Design Studio VI - Capstone	4
DM 4323	Heritage of Interior Design II (I)	3
DM 4373	Advanced Computer-Aided Design for Interior Design	3
DM 4533	Diversity Issues in Facility Management and Design	3
DM 4824	Professional Internship	4
Select one of the professional areas (p.)		6

General Electives

Select three hours of coursework		3
Hours Subtotal		75

Total Hours 120

Professional Areas

Design Area

Code	Title	Hours
Required Course		
ART 1303	Visual Thinking: Form and Space	3
Controlled Electives		
Select 3 hours from the following:		3
DM 3103	Anthropometry and Ergonomics in Design	
DM 4063	Sustainability in the Built Environment	
DM 4433	Facility Management and Design	
DM 4453	Product Development Process	
ACCT 2003	Survey of Accounting	
ARCH 2003	Architecture and Society (HI)	
ART 3683	History of 20th Century Art (HI)	
ART 3643	History of Graphic Design	
HIST 4063	Historic Preservation	

HTM 3473	Managing The Built Environment
PHIL 4113	Philosophy and the Arts (H)
SOC 3993	Sociology of Aging (DS)
TH 2553	Introduction to Stage Design
TH 3183	Scene Design for Theatre
TH 3593	Lighting for Theatre
Total Hours	6

these changes do not result in semester credit hours being added or do not delay graduation.

- Degrees that follow this plan must be completed by the end of Summer 2029.

Facility Management Area

Code	Title	Hours
Required Course		
DM 4533	Diversity Issues in Facility Management and Design	3
Controlled Electives		
Select 3 hours from the following:		3
DM 3103	Anthropometry and Ergonomics in Design	
DM 4453	Product Development Process	
ACCT 2003	Survey of Accounting	
ACCT 2203	Managerial Accounting	
ECON 2203	Introduction to Macroeconomics	
ECON 3903	Economics of the Environment	
HTM 3473	Managing The Built Environment	
LSB 3213	Legal and Regulatory Environment of Business	
LSB 4523	Law of Real Property	
LSB 4633	Legal Aspects of International Business Transactions (I)	
MGMT 3013	Fundamentals of Management (S)	
MGMT 3313	Human Resource Management	
MGMT 4313	Organization for Action	
MKTG 3213	Marketing (S)	
Total Hours		6

Other Requirements

- 40 upper-division hours required.
- A 2.50 Major GPA is required. This includes all courses in College and Major Requirements.
- A 2.50 Major GPA is required for full admission to the Internship Program.
- Proficiency review required to take sophomore level DHM Interior Design courses.
- **Transfer Admission Requirements:** 2.00 for less than 31 hours; 2.25 for 31-45 hours; 2.50 for more than 45 hours.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as

Product Development for Apparel, UCRT

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Total Hours: 24

Code	Title	Hours
Course Requirements		
DM 1003	Design Theory and Processes for Design and Merchandising	3
DM 1103	Basic Apparel Assembly	3
DM 1433	Fundamentals of the Fashion Industry	3
DM 1993	Communications and Presentation Techniques for Apparel Design	3
DM 2573	Textile Science (LN)	3
DM 3053	Quality Analysis for Apparel Design	3
DM 4153	Pre-Production Processes	3
DM 4453	Product Development Process	3
Total Hours		24

Visual Merchandising (VMER), Minor

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Department of Design and Merchandising, 431 Nancy Randolph Davis,
405-744-5035

Total Hours: 18

Minimum of "C" required in all minor courses.

Code	Title	Hours
Minor Requirements		
DM 1003	Design Theory and Processes for Design and Merchandising	3
DM 1433	Fundamentals of the Fashion Industry	3
DM 2023	Commercial Styling for Merchandisers	3
DM 2423	Technology and Visual Communication for Merchandisers	3
DM 3853	Visual Merchandising	3
DM 4013	Advanced Visual Communication for Merchandisers	3
Total Hours		18

Other Requirements

- Acceptance to the minor based upon an overall GPA of 2.0 if less than 31 hours completed; 2.25 if 31-45 hours completed; 2.50 if over 45 hours completed.
- DM Majors just complete 12 hours in addition to the requirements for their option.

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.
- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (<https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf>).

Human Development and Family Science

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 programs in early childhood education, early child care and development (online), child and family services, and family and consumer sciences education. Each of these programs 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
Less than 31 hours	2.00
31-45 hours	2.25
Over 45 hours	2.50

The early childhood education (ECE) teacher certification program 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 pre-kindergarten 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 early childcare and development (ECCD) program is 100% online and prepares students to work in early childhood settings with young children. Early Child Care and Development specialists create environments that are healthy, respectful, supportive and challenging for each child. Specialists design, implement, and evaluate experiences that promote positive development in young children.

Graduates are qualified to work in a variety of programs that offer early care and education such as infant and toddler programs, preschool programs, childcare centers and homes, military child development/care

centers, before and after school programs, Head Start programs and related organizations.

The child and family services (CFS) program 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 program 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) program 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 teacher 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 in HDFS requires a minimum of 124 semester credit hours. The online BS in ECCD requires 120 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 <https://education.okstate.edu/departments-programs/human-development-family-science/index.html> (<https://education.okstate.edu/departments-programs/human-development-family-science/>).

Courses

FFP 2003 Financial Health for Helping Professionals

Description: Develop and build healthy financial habits and maintain financial wellness through college and beyond.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 2613 Financial Perspectives throughout the United States (DS)

Prerequisites: Must have completed 20 credit hours.

Description: An introduction to the personal relationship with money focusing on similarities and differences between Race/Ethnicity, Sex/Gender, Aging, Religion, and Family Structure. This course provides an overview of history, present day application, seeks solutions, and encourages reflection on the personal and societal relationships with money.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

General Education and other Course Attributes: Diversity, Social & Behavioral Sciences

FFP 3803 Fundamentals of Family Financial Planning

Description: An introduction to issues and concepts related to the individual and family financial planning process and the client/planner relationship.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 3813 Insurance Planning for Families

Description: Aspects of risk to individuals and families and covers the tools and strategies that can be used to reduce and manage those risks.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 3823 Retirement Planning for Families

Description: Study of considerations in retirement planning for individuals and families.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 3833 Estate Planning for Families

Description: Aspects of the estate planning process and legislation applied to the needs of families.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 4303 Financial Counseling

Prerequisites: Must have completed 20 credit hours.

Description: This course emphasizes the development of professional skills for assisting individuals and families to become responsible financial managers through the financial counseling process. The course will focus on skills that need to be attained to become a helping professional with an expertise in financial planning including: relationship building, listening skills, practice standards, intake and record keeping, client action plans and agreements.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 4813 Income Tax Planning for Families

Description: A review of tax laws and the tools that can be used for personal income tax planning to meet individual and family goals.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 4823 Investment Planning for Families

Description: The essentials of how investment planning informs individual and family economic goals.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 4933 Capstone: Financial Plan Development

Description: Addresses the application of all aspects of financial planning. Development and presentation of a comprehensive financial plan to a client.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 5253 Family Economics

Description: Issues related to the economics of families, household production, and human capital development; economics of crises public policy and family life cycle spending, saving and borrowing; special attention to the role of ethics in family economic issues. A theoretical and a research perspective used to illuminate the concepts in the course. Web-based instruction. Previously offered as HS 5253 and HES 5253.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 5303 Fundamentals of Family Financial Planning

Description: The nature and functioning of financial systems, including currencies, markets, monetary and fiscal policy, and supply and demand for land, labor and capital. Focus on the impact of global financial interdependence on individuals and families in the U.S. Current and emerging issues, as well as current research and theory relative to financial systems. Web-based instruction. Previously offered as HES 5303 and HS 5303.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 5333 Theories and Research in Family Financial Planning I

Prerequisites: Admission to the Great Plains IDEA FFP program.

Description: Introduction of the social science of family finances. Focus on theories of family functioning, microeconomic theory related to family resource allocation decisions, the family as an economic unit, and the interaction of economy and families. Previously offered as HS 5333. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 5343 Theories and Research in Family Financial Planning II

Prerequisites: Admission to the Great Plains IDEA FFP program and FFP 5333.

Description: Microeconomic theory as it relates to family resource allocation decisions, theories of household behavior, the lifecycle hypothesis, behavioral economics, behavioral finance, theories of behavioral change, and psychological theories of family well-being. Focus on empirical research investigating household financial decision-making. Previously offered as HS 5343. Web-based Instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 5353 Financial Counseling for Family Financial Planning

Description: Theory and research regarding the interactive process between client and practitioner, including communication techniques, motivation and esteem building, counseling environment, ethics, and data intake, verification, and analysis. Legal issues, compensation, technology to identify resources, information management, and current or emerging issues. Web-based instruction. Previously offered as HES 5353 and HS 5353.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 5403 Estate Planning for Families

Description: Fundamentals of estate planning process, estate settlement, estate and gift taxes, property ownership and transfer, and powers of appointment. Tools and techniques in implementing effective estate plan, ethical considerations in providing estate planning services, new and emerging issues in the field. Experience with case studies in developing estate plans for varied family forms. Web-based instruction. Previously offered as HS 5403 and HES 5403.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 5453 Retirement Planning, Employee Benefits and the Family

Description: Study of micro and macro considerations for retirement planning. Survey of various types of retirement plans, ethical considerations in providing retirement planning services, assessing and forecasting financial needs in retirement, and integration of retirement plans with government benefits. Web-based instruction. Previously offered as HS 5453 and HES 5453.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 5483 Military Family Financial Issues

Description: An overview of topics relevant to the financial planning process, adapting topics to address the unique needs of and resources available to military service members and their families. Topics include status of service member; financial readiness; financial, risk, investment, tax, retirement and estate management; record keeping; cash flow management; credit and debt management; savings; education planning; and special topics. Web based instruction. Previously offered as HS 5483 and HES 5483.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 5503 Housing and Real Estate for Family Financial Planning

Description: Overview of the role of housing and real estate in financial planning process from a theoretical perspective. Taxation, legal aspects, mortgages, and financial calculations related to home ownership and real estate investments. New and emerging issues in the context of housing and real estate. Role of ethics in financial planning including housing and real estate. Previously offered as DHM 5503.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 5553 Insurance Planning for Families

Description: Study of risk management concepts, tools, and strategies for individuals and families, including life insurance; property and casualty insurance; liability insurance; accident, disability, health, and long-term care insurance; and government-subsidized programs. Current and emerging issues and ethical considerations. Relationships between investment options and employee/employer benefit plan choices. Web-based instruction. Previously offered as HS 5553 and HES 5553.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 5603 Investing for the Family's Future

Description: Evaluation of investment markets for the household. Analysis of how families choose where to put their savings. Using the family's overall financial and economic goals to help make informed decisions about which investments to choose. Web-based instruction. Previously offered as HS 5603 and HES 5603.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 5653 Personal Income Tax for Family Financial Planning

Description: Information on income tax practices and procedures including tax regulations, tax return preparation, tax audit processes, appeals process, preparation for an administrative or judicial forum, and ethical considerations of taxation. New, emerging issues related to taxation. Family and individual case studies practice in applying and analyzing tax information and recommending appropriate tax strategies. Web-based instruction. Previously offered as HS 5653 and HES 5653.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 5703 Professional Practices in Family Financial Planning

Description: Challenges of managing financial planning practices, including business valuation, personnel, marketing, client services, ethics and technological applications. Relying on theoretical as well as applied approach, analysis of case studies that provide relevant, practical exposure to practice management issues, with strong emphasis on current research findings. Web-based instruction. Previously offered as HS 5703 and HES 5703.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

FFP 5803 Case Studies in Family Financial Planning

Prerequisites: FFP 5303 and FFP 5453 and FFP 5553 and FFP 5603 and FFP 5653 or consent of advisor.

Description: Professional issues in financial planning, including ethical considerations, regulation and certification requirements, communication skills, and professional responsibility. Utilization of skills obtained in other courses and work experiences in the completion of personal finance case studies, the development of a targeted investment policy, and other related financial planning assignments. Web-based instruction. Previously offered as HS 5803 and HES 5803.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 1101 Relationships 101

Description: An applied course designed to actively involved students in the exploration of topics which influence the development of positive relationships. Topics include gender differences, relationship principles, family of origin and personal needs. Application to personal and professional settings.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 1112 Introduction to Human Development and Family Science

Description: Exploration of the philosophy and practice of human development and family science. Previously offered as FRCD 2613.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 2113 Lifespan Human Development (S)

Description: Study of human development within diverse family systems. Taught from a life span perspective. Previously offered as FRCD 2113.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

General Education and other Course Attributes: Social & Behavioral Sciences

HDFS 2114 Lifespan Human Development: Honors

Prerequisites: Honors students only.

Description: Honors course critically examining the study of human development within diverse family systems. Taught from a lifespan perspective.

Credit hours: 4

Contact hours: Lecture: 4 Contact: 4

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

General Education and other Course Attributes: Honors Credit

HDFS 2123 Developmental Disabilities: Issues Across the Lifespan (D)

Description: An introduction to intellectual and developmental disabilities including issues encountered by individuals and families across the lifespan. An overview of history, theory, research, practice and policy. Assumes a basic knowledge of cultural diversity and research methods employed in human development. Field work and engagement with individuals with intellectual disability is an integral component of the course.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

General Education and other Course Attributes: Diversity

HDFS 2133 Introduction to Aging Services

Description: Introduction to aging programs, services, and community resources to assist older adults and their family members. Additional focus on personal, academic, and professional development in preparation of an aging service career. Community engagement through a service learning project with a local aging service agency or care center.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 2211 Early Childhood Field Experience I

Prerequisites: Concurrent enrollment in HDFS 2243 and HDFS 2233. Full Admission to Professional Education.

Description: Field experience working with children ages birth through age five. Observation of children in classroom contexts; design and implementation of age-appropriate activities with children.

Credit hours: 1

Contact hours: Contact: 1 Other: 1

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 2213 Human Sexuality and the Family (S)

Description: Sexual development emphasizing personal adjustment and interaction with family and culture. Previously offered as FRCD 2213.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

General Education and other Course Attributes: Social & Behavioral Sciences

HDFS 2223 Foundations in Early Childhood Education

Prerequisites: HDFS 2113.

Description: Historical background of the profession and its future. Opportunities in early childhood as a professional. Developing an awareness of appropriate contexts for learning through realistic experiences in the early childhood classroom. Professional Education requirements introduced. Previously offered as FRCD 2100.

Credit hours: 3

Contact hours: Lecture: 2 Contact: 3 Other: 1

Levels: Undergraduate

Schedule types: Independent Study, Lecture, Combined lecture & IS

Department/School: Human Dev & Family Sci

HDFS 2233 Development of Creative Expression, Play and Motor Skills in Early Childhood

Prerequisites: Concurrent enrollment in HDFS 2243 and HDFS 2211, and Full Admission to Professional Education.

Description: Consideration of appropriate experiences in the areas of play, art, music and motor skills for young children from birth through eight years of age with an emphasis upon such experiences as a curricular base in early educational group settings. Observation and participation experiences with young children. Previously offered as FRCD 3303.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 2243 Infant-Toddler Programming

Prerequisites: Concurrent enrollment in HDFS 2211 and HDFS 2233 and Full Admission to Professional Education.

Description: Program planning, implementation and evaluation of developmentally appropriate programs for infants and toddlers. Directed observation and participation in infant and toddler programs. Previously offered as FRCD 4463.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 2433 Relationship Development and Marriage (S)

Description: Theory and research on the formation and development of interpersonal relationships from dating through courtship and marriage. Previously offered as HDFS 3433, HDFS 3143, FRCD 3433, and HIDE 3433.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

General Education and other Course Attributes: Social & Behavioral Sciences

HDFS 2453 Management of Human Service Programs

Description: Designing and managing human service programs: planning, needs assessment, program hypothesis, grant writing, developing human resources, budget management, monitoring and evaluation. Emphasis on accountability. Previously offered as HDFS 3453.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 2523 Professional Skills in Human Services

Description: Development of professional skills transferable across human services. Including, but not limited to leadership, professional communication, information management, partnership development, networking, advocacy, and professional ethics. Previously offered as HDFS 3523.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 2850 Special Unit Courses in HDFS

Description: Various units taught by specialists in Human Development and Family Science. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 3021 Topics in Early Childhood Education

Description: Current selected problems or topics in early childhood education which influence individual and family risk and resiliency, including NCLB, current legislative issues, policy issues and other topics that are of interest and importance to students enrolled during the semester.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3023 Child Development - Birth to 3

Prerequisites: Admission to Great Plains IDEA Early Childhood Non-certification program and HDFS 2113.

Description: Major theories and research on development from birth to age 3 including growth patterns, influences of disabilities and risk factors, environmental factors and their effects on attachment styles, language acquisition, brain development, cognitive development, social-emotional development, and perceptual and sensory motor skills. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3024 Literacy Assessment and Instruction in Early Childhood Education

Prerequisites: Concurrent enrollment in HDFS 4313 and HDFS 4323 and HDFS 4363. Full Admission to Professional Education.

Description: Developmentally appropriate assessment and instructional practices to meet language and literacy needs of children, age birth to 8 years. Based on a constructivist framework, formal and informal assessments will be used to inform classroom practices. Assessments consistent with SBRR, NAEYC and IRA guidelines, with a focus on performance, observation, and interviews will address literacy needs of diverse learners in the context of an EC classroom practicum.

Credit hours: 4

Contact hours: Lecture: 4 Contact: 4

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3033 Child Development - 4 to 8

Prerequisites: Admission to Great Plains IDEA Early Childhood Non-certification program and HDFS 2113.

Description: Physical, cognitive, social/emotional and personality growth and development during early childhood. Major theories of development and current research and ideas in conjunction with historical approaches to examining growth and development in ages 4-8. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3043 Professional Development for Early Childhood Educators

Prerequisites: Admission to Great Plains IDEA Early Childhood Non-certification program and HDFS 2113.

Description: The role of a professional as a teacher, administrator or advocate in early childhood programming. Professionalism and ethics, identifying child abuse, and applying universal precautions. Discussion of qualities of the early childhood educator role, program models, and working with children and professional colleagues. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3053 Child Guidance and Classroom Environments

Prerequisites: Admission to Great Plains IDEA Early Childhood Non-certification program and HDFS 2113.

Description: Developmentally appropriate practice in child guidance through review of current guidance methods and programs to familiarize students with successful guidance techniques. Students will develop their own approach to guidance based upon practices best suited to their own unique skills and strengths. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3063 Health, Safety And Nutrition

Prerequisites: Admission to Great Plains IDEA Early Childhood Non-certification program and HDFS 2113.

Description: Planning, promoting and maintaining healthy and safe learning/care environments, understanding childhood illnesses and establishing healthy lifestyles, first aid, and maintaining care provider's own health. Maintaining safe relationships with others, including identifying and reporting abuse, neglect, and exploitation of children. Exploration of nutrients for life and feeding, food preparation and safety policies and guidelines, food allergies and intolerances, appropriate feeding practices. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3103 Social Development and Social Studies in Early Childhood

Prerequisites: Concurrent enrollment in HDFS 3202 and HDFS 3213 and HDFS 3223 and HDFS 3233. Full Admission to Professional Education.

Description: Developmentally appropriate social studies curriculum and instruction for young children; content selection, lesson planning, teaching methods, materials and evaluation strategies.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3122 Introduction to Human Development and Family Sciences for Transfer Students

Description: Facilitation for students transferring from other majors or institutions of higher education to the Department of Human Development and Family Science. An exploration of the philosophy, research applications, services, careers, and options within the field of Human Development and Family Science. May not be used for degree credit with HDFS 1112.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3123 Parenting (S)

Description: Examination of the fundamental issues and special topics in parent child relationships across the life span. Current theory and empirical research in multiple contexts of family, school and community. Previously offered as FRCD 3023.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

General Education and other Course Attributes: Social & Behavioral Sciences

HDFS 3202 Early Childhood Field Experience II

Prerequisites: Concurrent enrollment in HDFS 3103 and HDFS 3213 and HDFS 3223 and HDFS 3233. Full Admission to Professional Education.

Description: Field experiences in classroom setting working with children in PreK through 3rd grade. Reflective decision making that incorporates the major content area concepts and skills involved in organizing, planning, and developing instruction in early childhood classrooms. Previously offered as HDFS 3201.

Credit hours: 2

Contact hours: Contact: 2 Other: 2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 3203 Children's Play: A World Perspective (I)

Description: An examination of children's play in contemporary international cultures. Play in children from birth through late childhood will be reviewed; social and cognitive outcomes will be analyzed as related to complex, modern world systems.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

General Education and other Course Attributes: International Dimension

HDFS 3213 Literacy Development in Early Childhood Education

Prerequisites: Concurrent enrollment in HDFS 3202, HDFS 3223, HDFS 3103, and HDFS 3233; Full Admission to Professional Education.

Description: Theoretical and research-based rationale for integrated language arts and an interdisciplinary approach to literacy addressing writing, reading, and oral language development for children birth through age eight. Use of children's literature. Previously offered as FRCD 3403.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3223 Mathematics and Science in Early Childhood

Prerequisites: Concurrent enrollment in HDFS 3103 and HDFS 3202 and HDFS 3213 and HDFS 3233. Full Admission to Professional Education.

Description: Developmentally appropriate mathematics and science curriculum and instruction for young children; content selection, lesson planning, teaching methods, materials, and assessment strategies.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3233 Guidance and Classroom Management in Programs for Young Children

Prerequisites: Concurrent enrollment in HDFS 3103 and HDFS 3202 and HDFS 3213 and HDFS 3223. Full Admission to Professional Education.

Description: Examination of early childhood classroom management and guidance models and practices, including relevant theories, influential research, and developmentally appropriate guidance strategies that facilitate the development of prosocial behaviors.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3263 Curriculum Development for Children Ages Birth to 3

Prerequisites: Admission to Great Plains IDEA Early Childhood Non-certification program and HDFS 3023, HDFS 3033, HDFS 3043, HDFS 3053, HDFS 3063.

Description: Learn and utilize assessment and documentation to inform curriculum, plan and evaluate developmentally appropriate activities, and learn effective ways to share curriculum information with families for children ages 0-3. Developmental domains and content areas; issues related to diversity in family composition, culture, and individual abilities will also be addressed. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3273 Curriculum Development for Children Ages 4-8

Prerequisites: Admission to Great Plains IDEA Early Childhood Non-certification program and HDFS 3023, HDFS 3033, HDFS 3043.

Description: Learn and utilize assessment and documentation to inform curriculum, plan and evaluate developmentally appropriate activities, and learn about effective ways to share curriculum information with families for children ages 4-8. Developmental domains and content areas; issues related to diversity in family composition, culture, and individual abilities will also be addressed. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3283 Assessing Young Children and their Environments to Enhance Development

Prerequisites: Admission to Great Plains IDEA Early Childhood Non-certification program and HDFS 3023, HDFS 3033, HDFS 3043, HDFS 3053, HDFS 3063.

Description: Select, evaluate, and use appropriate assessment tools for children birth to age 8 using assessment data to inform decisions about teaching (environments and practice) and intervention. Emphasis on the ethical use of assessments, validity of assessments, multicultural sensitivity, and assessments for children with special needs. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3293 Understanding and Adapting for Developmental Differences

Prerequisites: Admission to Great Plains IDEA Early Childhood Non-certification program and HDFS 3023, HDFS 3033, HDFS 3043, HDFS 3053, HDFS 3063.

Description: Knowledge of disability conditions, assessment and identification, interventions in inclusive environments, and collaborations among family members and service providers. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3303 Administration and Supervision in Early Childhood Settings

Prerequisites: Admission to Great Plains IDEA Early Childhood Non-certification program and HDFS 2113.

Description: Exploration of issues surrounding the administration of early childhood programs including identification of community needs, analysis of business opportunities, evaluation and appropriate use of space and quality programming, consideration of policy and legal responsibilities, and professionalism in the field. Best practices in staff selection, training, coaching and supervision. Web based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3313 Technology And Young Children

Prerequisites: Admission to Great Plains IDEA Early Childhood Non-certification program and HDFS 2113.

Description: Electronic technology's impact on the development of young children in educational, home, and community environments and how it can be used in early childhood classrooms to enhance teaching and learning. Students will be critical thinkers and informed consumers of technology related to young children. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3323 Diversity in the Lives of Young Children and Families

Prerequisites: Admission to Great Plains IDEA Early Childhood Non-certification program; SOC 1113; PSYC 1113; and HDFS 2113 or equivalents.

Description: Exploration of cultural diversity in daily life and beliefs in families with young children. The focus is on U.S. families, with attention to the multiple cultures from which they come. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3333 Working with Families

Prerequisites: Admission to Great Plains IDEA Early Childhood Non-certification program and HDFS 2113.

Description: Application of an ecological model to the understanding of variation in parental roles, perspectives, relationships, approaches, and challenges. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3413 Infant and Child Development

Description: Examination of continuity and change in physical, cognitive/ language, and socioemotional development from the prenatal period through early middle childhood (age nine). Diverse contexts, directed observation of infants and children. Previously offered as FRCD 3413.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3423 Adolescent Development in Family Contexts (S)

Description: Development of the adolescent physically, socially, intellectually and emotionally with emphasis on the search for identity, sexuality, vocational choice and interpersonal relations. Observation of adolescents. Previously offered as FRCD 3333.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

General Education and other Course Attributes: Social & Behavioral Sciences

HDFS 3443 Family Dynamics

Description: Applying family theories and current research to the examination of dynamics of diverse families across the life course and within the social context. Previously offered as FRCD 3753.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3513 Research Methods in Human Development and Family Science

Prerequisites: "C" or better in STAT 2013 or STAT 2023 or STAT 2053.

Description: Examination of fundamentals of scientific method as applied to research in human development and family science. Research design, sampling, and measurement. Analytical, evaluative, and interpretive skills needed to understand the professional research literature. Application of statistical analysis to research in human development and family science.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3603 Family and Consumer Sciences Classroom Management and Educational Foundations

Description: Emphasis on the principles and practices of effective classroom management needed in contemporary FCS programs by Cooperative Extension Service educators and public school teachers; observation hours required. Historical and contemporary influences on the development and mission of Family and Consumer Sciences Education.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 3623 Field Experiences in Family and Consumer Sciences Education

Prerequisites: HDFS 3603.

Description: Supervised Family and Consumer Sciences Education field experiences specific to Cooperative Extension Service and public schools. A minimum of 60 observation hours are required.

Credit hours: 3

Contact hours: Lecture: 2 Contact: 3 Other: 1

Levels: Undergraduate

Schedule types: Independent Study, Lecture, Combined lecture & IS

Department/School: Human Dev & Family Sci

HDFS 3813 Technology of Aging

Description: Inquiry of the intersection between technology and human aging. Consideration of emerging smart assistive technologies that facilitate family caregiving and aging-in-place. Additional insight into artificially intelligent monitoring of physical, mental, and social well-being in old age.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4000 Senior Thesis

Prerequisites: Consent of instructor.

Description: Supervised research for the bachelor's degree. Previously offered as FRCD 4000. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 4013 Practicum I in Early Childhood

Prerequisites: Admission to Great Plains IDEA Early Childhood Non-certification program and HDFS 3023, HDFS 3033, HDFS 3043, HDFS 3053, HDFS 3063.

Description: Guided learning experience in a professional agency that provides services to children and families. Learning experiences and projects will provide teacher candidates the opportunity to utilize and implement theories and practices learned in other ECE classes. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4023 Practicum II in Early Childhood

Prerequisites: Admission to Great Plains IDEA Early Childhood Non-certification program and HDFS 3023, HDFS 3033, HDFS 3043, HDFS 3053, HDFS 3063, HDFS 4013.

Description: Guided learning experience in a professional agency that provides services to children and families. Learning experiences and projects will provide teacher candidates the opportunity to utilize and implement theories and practices learned in other ECE classes. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4036 Practicum III in Early Childhood

Prerequisites: Admission to Great Plains IDEA Early Childhood Non-certification program and HDFS 3273, HDFS 3283, HDFS 3293, HDFS 3303, HDFS 3313, HDFS 3323, HDFS 3333, and HDFS 4013.

Description: 15 week experience of practical application of developmentally appropriate early childhood teaching techniques and skills, actual teaching experience and developmental feedback. Observation and evaluation of classroom experiences, environmental design, classroom management, and parent communication. Web-based instruction. Previously offered as HDFS 4033.

Credit hours: 6

Contact hours: Lecture: 6 Contact: 6

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4313 Early Childhood Field Experience III

Prerequisites: Concurrent enrollment in HDFS 3024 and HDFS 4323 and HDFS 4363. Full Admission to Professional Education.

Description: Field experience in PreK through 3rd grade setting. Develop philosophical perspectives of teaching, consider effective family-teacher relationships, and connect with the wider community as a resource context for teaching and learning. Plan and teach an integrated curriculum unit. Graded on a pass-fail basis.

Credit hours: 3

Contact hours: Contact: 3 Other: 3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 4323 Family, School, and Community

Prerequisites: Concurrent enrollment in HDFS 3024 and HDFS 4313 and HDFS 4363. Full Admission to Professional Education.

Description: Examination of family theories, family relationships with schools and communities, and implications for early childhood practice.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4333 Early Childhood Capstone

Prerequisites: Concurrent enrollment in HDFS 4339 and full admission to Professional Education.

Description: Examination of the role of the early childhood professional in broader society contexts such as policy, advocacy, research and funding. Previously offered as FRCD 4523.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4339 Student Teaching in Early Childhood Education

Prerequisites: Concurrent enrollment in HDFS 4333, and full admission to Professional Education.

Description: A prekindergarten through grade three classroom teaching experience under the direction of a certified early childhood teacher and an early childhood education faculty member. Previously offered as HDFS 4226.

Credit hours: 9

Contact hours: Contact: 9 Other: 9

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 4363 Integrated Curriculum in Early Childhood Education

Prerequisites: Concurrent enrollment in HDFS 3024 and HDFS 4313 and HDFS 4323. Full Admission to Professional Education.

Description: Develop a conceptual and applied understanding of early childhood curriculum, with an emphasis on integration across subject matter areas, differentiation, and assessment-informed instruction. Plan and implement an integrated curriculum unit. Previously offered as HDFS 3243.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4373 Early Childhood Health & Well-Being

Prerequisites: HDFS 2113.

Description: Examination of issues in early childhood health and well-being, including physical health; infant and early childhood mental health; nutrition, exercise, and childhood obesity; safety; resilience; and exposure to biological and psychosocial risks that impact health. Exploration of policies and programs related to children's health and well-being, as well as identification of practical implications for promoting children's health and well-being.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4393 Neuroscience of Adversity

Prerequisites: HDFS 2113 or PSYC 1113, or equivalent.

Description: Influence of trauma and chronic stress on the brain, body, and behavior, and environmental factors contributing to resilience throughout development. Trauma-informed policies, initiatives, and interventions will also be discussed and evaluated.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4413 Successful Aging (S)

Description: Study of the unique characteristics of development during the middle and later years of development. Emphasis on the biopsychosocial process of aging and the effects on the individual and family. Previously offered as FRCD 4413.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

General Education and other Course Attributes: Social & Behavioral Sciences

HDFS 4423 Family Risk and Resilience

Description: Examination of selected theoretical approaches; areas of family risk; protective factors; individual and family qualities relating to resilience; and prevention and intervention strategies. Previously offered as FRCD 4553.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4433 Family Life Education

Description: Philosophy and principles of family life education. Planning, implementing, and evaluating family life programs in community and education settings. Field experience. May not be used for degree credit with HDFS 5113.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4443 Fatherhood: Developmental, Social and Historical Perspectives (S)

Description: Developmental, social and historical perspectives of fatherhood. Context and contemporary issues relating to fatherhood in the U.S., the contribution of involved fathering to men's adult development, the roles and responsibilities of fathers, skills for effective fathering, and father and child interaction in relation to both father and child adjustment and well being.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

General Education and other Course Attributes: Social & Behavioral Sciences

HDFS 4473 Policy, Law and Advocacy

Description: The study of local, state, and federal legislations, regulations, social policies, and advocacy that affect children and families. Domestic relations, child welfare, health, education, social services, employment and housing. Previously offered as HIDS 4473.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4520 Student Teaching in Family and Consumer Sciences Education

Prerequisites: Full admission to Professional Education.

Description: Directed experience in an approved Family and Consumer Sciences classroom. Applications of methods and skills in Family and Consumer Sciences education as related to selecting, adapting, using, and evaluating curriculum materials, including experiences to meet educational goals and to facilitate learning for individual students. Experiences will also involve responsibilities with other school personnel and parents. Offered for variable credit, 6-9 credit hours, maximum of 9 credit hours.

Credit hours: 6-9

Contact hours: Contact: 6-9 Other: 6-9

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 4521 HDFS Child and Family Services: Pre-Internship

Prerequisites: HDFS 1112 or HDFS 3122 and HDFS 2523 and EDHS 1112 or EDHS 3112, all with a "C" or better.

Description: Preparatory workshop for HDFS Child and Family Services internship.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4533 Critical Issues in Human Development and Family Science

Prerequisites: Senior standing.

Description: An examination of the place of Human Development and Family Science in the context of broader themes. An exploration of the students' specialization and its implications for an educated life.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4543 Intergenerational Relationships (S)

Description: Analysis of human aging as it relates to family relationships. Special emphasis on multigenerational family interactions, adult child/older parent relations, kinship and fictive kin bonds, grandparenting, and family caregiving practices and policy.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4563 Internship in Child and Family Services I

Prerequisites: HDFS 1112 or HDFS 3122 and HDFS 2523 and HDFS 4521 and senior standing and consent of advisor and instructor.

Description: Supervised field experience applying HDFS knowledge and skill base. Must complete application for internship. This component of the internship includes class assignments that demonstrate application of HDFS knowledge and skill base.

Credit hours: 3

Contact hours: Contact: 3 Other: 3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 4572 Internship in Child and Family Services II

Prerequisites: HDFS 1112 and HDFS 3122 and HDFS 2523 and HDFS 4521 and HDFS 4563, senior standing, and consent of advisor and instructor.

Description: Supervised field experience applying HDFS knowledge and skill base. Must complete application for internship. Previously offered as HDFS 4525.

Credit hours: 2

Contact hours: Contact: 2 Other: 2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 4573 Introduction to Marriage and Family Therapy

Description: Introduction to the field of Marriage and Family Therapy (MFT). Includes theoretical foundations of the disciplines as well as assignments that demonstrate the application of the theories in a family therapy session. May not be used for degree credit with HDFS 5023.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4583 Disabilities in the Family and Community Context

Description: Intellectual and developmental disabilities from a systemic perspective, emphasizing the role of families and communities across the lifespan. Current policy, research, and practice for community inclusion and family support. Conceptual frameworks for understanding of and practice with individuals with intellectual and developmental disabilities and families will include family systems and ecological perspectives. May not be used for degree credit with HDFS 5083.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4713 Family Resource Management

Description: Examination of individual and family management of interpersonal, financial, workplace, social, and community resources over the lifespan. Includes and emphasis on decision making within the family system, particularly for families with issues that affect timing and balancing of resource management. May not be used for degree credit with HDFS 5713.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4750 Topics In HDFS

Prerequisites: Consent of instructor.

Description: Various units of work related to specific issues in Human Development and Family Science. Previously offered as FRCD 4750. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 4793 The Family: A World Perspective (IS)

Description: Family structure and interaction that transcend specific cultures or nationalities; examination of specific cultural and international family forms, their social issues and relevant services to meet their needs. Previously offered as FRCD 4793.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

General Education and other Course Attributes: International Dimension, Social & Behavioral Sciences

HDFS 4813 Dying, Death and Bereavement

Description: Physical, psychological, emotional and social aspects to dying and death across the life course. Examination of human experiences with and responses to dying and death within various contexts such as family, medical and cultural.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4823 Aging Concepts and Controversies

Description: Interdisciplinary review of contemporary ethical issues and opposing arguments of risk and resilience in human aging. Critical analysis and assessment of developmental, psychological, social, economic, and legal strategies for prevention, intervention, and policy programming for older adults.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4833 The Fourth Age in Human Development

Prerequisites: HDFS 2113 or PSYC 2583 or HHP 2222 or an equivalent course.

Description: Biopsychosocial development, functioning, and survivorship of old-old adults, including centenarians. Critical evaluation of longevity research from life-span/life course development, social bio-demography, evolutionary biology, anti-aging/rejuvenation science, and global and cross-cultural aging perspectives. Implications of individual and population longevity in aging services, medical, and mental health professions.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4850 Special Courses in Human Development and Family Science

Prerequisites: Consent of instructor.

Description: Various courses related to specific issues in Human Development and Family Science. Previously offered as FRCD 4850. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 4900 Honors Creative Component

Prerequisites: College of Human Sciences Honors Program participation, senior standing.

Description: Guided creative component for students completing requirements for College Honors in College of Human Sciences. Thesis, creative project or report under the direction of a faculty member in the major area, with second faculty reader and oral exam. Previously offered as FRCD 4900. Offered for variable credit, 1-3 credit hours, maximum of 3 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

General Education and other Course Attributes: Honors Credit

HDFS 4913 Instructional Methods in Family and Consumer Sciences

Description: Development of Family and Consumer Sciences Education instructional materials for both Cooperative Extension Service and public school settings. Observation hours required. May not be used for degree credit with HDFS 5903.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 4950 Research Practicum in HDFS

Prerequisites: Consent of instructor.

Description: Hands-on research experience under the direction of faculty members in various human development and family science topics. Graded pass/fail. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 5000 Master's Thesis

Description: Research in HDFS for MS degree. Previously offered as HDFS 5000. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 5013 Assessment for Aging Research

Description: State-of-the-art knowledge and experiential field-based application of observational skills, interviewing techniques, online survey applications, and clinical diagnostic tools used to screen, assess, and study the biological, psychological, and social functioning of older adults.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5023 Introduction to Marriage and Family Therapy

Description: Introduction to the field of Marriage and Family Therapy (MFT). Includes theoretical foundations of the disciplines as well as assignments that demonstrate the application of the theories in a family therapy session. May not be used for degree credit with HDFS 4573.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5043 Technical Writing in HDFS

Description: Overview of writing in HDFS research. Topics will include literature reviews and APA formatting. Writing assignments will focus on conference abstracts/presentations, short and long literature reviews, empirical articles, and manuscript reviews.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5083 Disabilities in the Family and Community Context

Description: Intellectual and developmental disabilities from a systemic perspective, emphasizing the role of families and communities across the lifespan. Current policy, research, and practice for community inclusion and family support. Conceptual frameworks for understanding of and practice with individuals with intellectual and developmental disabilities and families will include family systems and ecological perspectives. May not be used for degree credit with HDFS 4583.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5110 Directed Study in HDFS

Prerequisites: HDFS 5253, HDFS 5293, HDFS 5513 or HDFS 5523 and consent of instructor.

Description: Directed individual study in human development and family science. Offered for variable credit, 1-9 credit hours, maximum of 9 credit hours.

Credit hours: 1-9

Contact hours: Contact: 1-9 Other: 1-9

Levels: Graduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 5112 Computer Applications in HDFS Research

Description: Creating variable codebooks, data coding, data entry, variable specifications and data manipulation, merging files, and basic analysis using SPSS software. No computer experience necessary. Previously offered as FRCD 5112.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5113 Family Life Education

Prerequisites: HDFS 2113 and HDFS 3123 and senior standing.

Description: Philosophy and principles of family life education. Planning, implementing, and evaluating family life programs in community and education settings. Field experience. May not be used for degree credit with HDFS 4433.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5123 Research Methods and Design in HDFS I

Description: Research processes, design, methods, and program evaluation in human development and family science. Application of research tools and methods to investigate theoretical, empirically-based, or field-based research issues.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5133 Research Methods in HDFS II**Prerequisites:** HDFS 5123.**Description:** The steps involved in writing a research proposal, including writing a literature review, research goals, and hypotheses. Developing procedures and measures used to test the hypotheses. How to compute and interpret statistical analyses common to thesis projects (e.g., internal consistency, descriptive statistics, ANOVAs, correlations, and regressions).**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Human Dev & Family Sci**HDFS 5153 Policy in Human Development and Family Science****Description:** Critical analysis of approaches to and models of policy in Human Development and Family Science. Examination of policy analysis and evaluation, development, advocacy, and implementation of state and federal policy and legislation.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Human Dev & Family Sci**HDFS 5160 Master's Creative Component****Prerequisites:** HDFS 5253, HDFS 5293, HDFS 5513 or HDFS 5523 or equivalent and consent of instructor.**Description:** Creative application of student's knowledge to solve a problem of interest in HDFS. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.**Credit hours:** 1-6**Contact hours:** Contact: 1-6 Other: 1-6**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Human Dev & Family Sci**HDFS 5163 Master's Capstone in HDFS****Description:** Development and implementation of a capstone project related to an area of human development and family science. Interfaces with field experience and involves the integration of theory, research, and application.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Human Dev & Family Sci**HDFS 5173 Program Design, Implementation, and Evaluation in Human Development and Family Science****Prerequisites:** Online Section Admission to the HDFS Family and Community Services GPIDEA Graduate Program; Campus-based Section Admission to the HDFS Graduate Program or consent of instructor.**Description:** An exploration of the principles and methods of program design, implementation, and outcome evaluation of family and community programs. Previously offered as HDFS 5933.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Human Dev & Family Sci**HDFS 5183 Practicum in Developmental and Family Sciences Research****Prerequisites:** Admission to graduate study in HDFS, nine hours of graduate credit in HDFS, and consent of instructor.**Description:** Supervised research experiences in human development and family sciences.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Human Dev & Family Sci**HDFS 5193 Reflective Practice****Description:** An exploration of the principles and methods of reflective practice. Reflective journaling and group interactive dialogue based on the application of theoretical models. Supervised field experiences in community settings.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Human Dev & Family Sci**HDFS 5203 Family Systems****Description:** Research and theory related to family functioning throughout the life cycle, especially financial decision making during crisis and conflict. Factors that shape family values, attitudes and behaviors from a multicultural perspective. New and emerging issues critical to family functioning.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Human Dev & Family Sci**HDFS 5213 Lifespan Development****Prerequisites:** Online GPIDEA Section Admission to the HDFS Family and Community Services GPIDEA Graduate Program. Campus based Section Admission to the HDFS Graduate Program or consent of instructor.**Description:** An examination of human development including the cognitive, social-emotional, motor, language, and moral domains from both a lifespan and a bio-ecological perspective. Previously offered as FRCD 5213.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Human Dev & Family Sci**HDFS 5223 Resilience in Individuals and Families****Prerequisites:** Admission to the HDFS GPIDEA Graduate Program.**Description:** Exploration of resilience approaches to the study of families and human development across the life cycle. Web-based instruction. Previously offered as 5223.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Human Dev & Family Sci

HDFS 5233 Infant Mental Health

Description: Foundations of infant mental health theory, research, and practice. Includes the familial context of children's early development and the importance of infant-caregiver relationships, early intervention, assessment, and reflective practice. Emphasis is placed on the application of infant mental health principles across settings and disciplines focused on early childhood and families.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5243 Infant and Early Childhood Development and Attachment

Description: Survey of research and theory pertaining to infant and early development and attachment. Content includes cognition and learning, social and emotional development, and assessment. An emphasis is placed on attachment and implications for practitioners working with young children and their families. Previously offered as FRCD 5243.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5253 Theory and Research: Social and Emotional Development

Description: Research and theory pertaining to social and emotional development, including attachment and family context, social interaction, friendships and temperament. Incorporates applications to policy and practice. Previously offered as HDFS 6253.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5263 Theory and Research: Cognitive and Language Development

Description: Research and theory pertaining to cognitive and language development including environmental influences and family influences, attention and memory, problem solving, and social cognition. Incorporates applications to policy and practice. Previously offered as HDFS 6243.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5273 Parent Education

Prerequisites: Consent of instructor.

Description: Parent-child relations, parenting strategies, and other major components of empirically validated parent education programs that lead to certification. Supervised practice. Previously offered as FRCD 5273.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5283 Developmental Disabilities

Description: Overview of contemporary research, theory, practice, and policy in the field of developmental disabilities with a primary focus on individuals with intellectual disability and their family members. Previously offered as HDFS 6373.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5290 Practicum

Prerequisites: Consent of instructor.

Description: Supervised experience in various settings relevant to human development and family sciences. Previously offered as FRCD 5290. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 5293 Human Development Theory

Description: Examines theories and models of human development in a family context using a lifespan perspective.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5313 Creativity and Aging

Prerequisites: Admission to the Great Plains IDEA Gerontology program.

Description: Developmental and pathological changes in the brain that can lead to changes in creative output over time. Hands-on experience and direct association with older adults to grow an appreciation for creativity produced and inspired by older people. Provides experiences for development of art programs for older adults. Web-based Instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5323 Issues in Early Childhood

Description: Systematic examination and in-depth reflection on selected issues and trends in early childhood education.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5333 Early Childhood Education History and Theory

Description: The history of early childhood education and theoretical approaches for planning educational programs and learning experiences for young children. Previously offered as FRCD 5333.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5343 Developmental Assessment and Interventions

Description: Applications of qualitative and quantitative approaches to observation and developmental assessment and intervention strategies for students preparing to become specialists or practitioners working with children and families, including early childhood educators, child and parenting practitioners, and human service practitioners. Previously offered as FRCD 5343.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5353 Diversity in Early Childhood

Description: Exploration and critical review of the state of early childhood programming with emphasis on research, theory, and policy making that bear on current diversity and multicultural issues in practice. Previously offered as FRCD 5353.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5363 Early Childhood Development and Education

Description: The interaction of biology, family, culture, and extended environment on children's emotional, social, and cognitive development during the early childhood years. The implications of regularities and diversity in development for teaching and learning and on principles of educational practice to enhance development. Previously offered as FRCD 5363.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5373 Early Childhood Administration

Description: Examination of the administration, management, and supervision of programs for young children. Legal, social, and economic conditions affecting programs. Previously offered as FRCD 5373.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5400 Professional Seminar in Gerontology

Description: An integrative experience for gerontology students designed to be taken near the end of the degree program. By applying knowledge gained in earlier course work, students strengthen skills in ethical decision-making and behavior, applying these skills in gerontology-related areas such as advocacy, professionalism, family and workplace issues. Students from a variety of professions bring their unique perspectives to bear on topics of common interest. Web-based instruction. Offered for fixed credit, 3 credit hours, maximum of 3 credit hours.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5403 Perspectives in Gerontology

Description: An overview of current aging issues including current focus of gerontology theory and research; critical social and political issues in aging, the interdisciplinary focus of gerontology, current career opportunities, and aging in the future. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5411 Ethics and Aging

Description: Analysis of ethical issues for the aging population. Critical examination of various ethical issues from legal, psychological, social, and financial perspectives. Enrollment requires attendance of the one-day, Oklahoma Ethics and Aging Conference.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5413 Aging in Human Development

Description: Examination of biological, psychological and social development in mid-life through very old age. Special emphasis on age, cohort, and historical influences in biopsychosocial functioning and adaptation.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5423 Research Perspectives in Gerontology

Description: Critical review of gerontological literature. Special emphasis on current knowledge related to research methodologies, measurement applications, and clinical interventions used to study age-related processes and outcomes. Previously offered as FRCD 5423.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5433 Theories of Aging

Description: Addresses the historical, contemporary and interdisciplinary basis of aging theory. Biological, psychological, sociological and human developmental conceptualizations of aging are critically assessed. Emphasis is placed on conceptual models, as well as theoretical development and application within gerontological research and the field of aging.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5443 Interpersonal Relationships

Prerequisites: Admission to the HDFS GPIEDA Graduate Program.

Description: An examination of interpersonal relationships in context, including theoretical perspectives, research methods, relationship forms, and relationship processes. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5453 Aging in the Medical Context

Description: Orients students to the unique issues related to health and the health system for individuals in later life. A particular focus is placed on health programs, the role of medical personnel and tasks of family members as older persons face health issues and decisions.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5463 Biological Principles of Aging

Prerequisites: Admission to the Great Plains IDEA Gerontology Program.

Description: Introduction of basic biological principles that govern aging. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5470 Developments and Innovations in Human Development, Family Science, and Early Childhood Education

Description: Analysis of current developments and innovative practices in one or more of the specified areas. Emphasis upon evolving concepts with implications for programs serving societal needs in these areas. Previously offered as FRCD 5470. Offered for variable credit, 1-3 credit hours, maximum of 3 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 5473 Seminar in Long-Term Care

Prerequisites: Admission to the Great Plains IDEA Gerontology Program.

Description: Topics of interest for those in leadership roles in long-term care facilities, or senior living organizations. Draws on expertise of leaders in the field. Case studies are used to understand application of the material. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5483 Aging Network Seminar

Description: Orientation to community-based aging services and programs for older adults with consideration of professional ethics, state and federal legislation, and long-term care advocacy. Additional emphasis on career networking with aging service practitioners and providers.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5493 Aging and Diverse Families

Description: Examination of contemporary family contexts, behaviors, and policies affecting older adults. Special emphasis on family diversity as it relates to marriage, divorce and remarriage, widowhood and bereavement, child-parent relations, grandparenthood, caregiving practices and policy.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5503 Family Diversity

Description: Examination of theory and research on diversity in families such as race, ethnicity, age, sexual orientation, gender, socioeconomic status, disability, or religion. Emphasis on effectively addressing family diversity in systemic assessment, practice, and policy. May not be used for degree credit with CPSY 5503 or PSYC 6133.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5513 Issues in Family Science

Description: Current and classic literature in family studies. Consideration of philosophical bases and current research issues relevant to the family as a field of study. Previously offered as FRCD 5513.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5523 Family Theory

Description: Foundation of theoretical frameworks and processes in family science. Overview of the interface between theory, research, and application in family science. Previously offered as FRCD 5523.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5533 Perinatal and Reproductive Health

Description: Examination of perinatal, family planning, and reproductive health issues, programs, services, and policies. Emphasis on empirically-based interventions.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5543 Family Crisis and Trauma

Description: Strategies for helping families deal with trauma and various family crises including illness, death and divorce. Focus on dealing with these from a family systems approach. Previously offered as FRCD 5543.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5553 Perspectives on Parenting and Parent Education

Prerequisites: Admission to the HDFS GPIDEA Graduate Program.

Description: An examination of theories, models, methods, research, and skills related to parenting and parent education. Web-based instruction. Previously offered as FRCD 5553.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5563 Community and Family

Prerequisites: Admission to the HDFS Graduate Program.

Description: Examination of current research and theory in the interactions of families and communities. Emphasis on empirical strategies for intervention to address community and family-based problems. Previously offered as HDFS 5743.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5573 Adolescent in Family Context

Description: Physical, social, emotional and intellectual development of adolescents within the context of family relationships. Exploration of research and theory as it relates to adolescent development and parent-adolescent relationships.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5583 Intimate Relationships and Sexuality across the Lifespan

Description: A lifespan perspective on the formation, development, and trajectory of intimate relationships (e.g., marriage) and sexuality. Previously offered as FRCD 5583.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5593 Sexuality & Aging

Prerequisites: Admission to the Great Plains IDEA Gerontology Program.

Description: Understanding of issues regarding sexuality and aging.

Normative aspects of sexuality in later life and issues that arise that impact sexuality such as chronic illness, cognitive decline, and functional limits. Perspectives of aging persons who are active and independent in the community, to those who live in a variety of care settings. An interdisciplinary perspective on the interactions of the biological, psychological, social influences that shape our understanding of sexuality in later life. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5603 Pre-Practicum in Marriage and Family Therapy: Counseling Skills

Prerequisites: Admission to the marriage and family therapy specialization and consent of instructor.

Description: Pre-clinical experience for students in the marriage and family therapy (MFT) specialization, emphasizing counseling skills and structured observations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5612 Pre-Practicum in Marriage and Family Therapy: Group Processes

Prerequisites: Admission to marriage and family therapy specialization and consent of instructor.

Description: Pre-clinical experience for students in the marriage and family therapy specialization emphasizing group processes, designing and running therapy groups. Previously offered as FRCD 5612.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5613 Theoretical Models of Marriage and Family Therapy

Description: An introduction to the historical context of marriage and family therapy. An overview of the major schools of marriage and family therapy and emerging models. Previously offered as FRCD 5613.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5623 Systems Theory and Applications to the Family

Description: Examination of the cybernetic roots and terminology used with general systems theory providing an understanding, appreciation and integration of the role of "systems" approaches to family theory and clinical practice. Previously offered as FRCD 5623.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5633 Couples Treatment in Marriage and Family Therapy

Prerequisites: Graduate standing or consent of instructor.

Description: Focus on assessment of couples and the systemic interventions available to address common couple issues. Pre-marriage, divorce and remarriage, sexuality, domestic violence, infidelity, and gender. Previously offered as FRCD 5633.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5643 Child and Adolescent Treatment in Marriage and Family Therapy

Prerequisites: Graduate standing or consent of instructor.

Description: An overview of the issues surrounding children and adolescents in marriage and family therapy including child abuse and neglect, drug abuse, oppositional behaviors, ADHD, and family structures and hierarchies. Assessment and treatment methods. Strategies for engaging families. Previously offered as FRCD 5643.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5653 Systemic Approaches to Psychopathology and Psychopharmacology

Prerequisites: Graduate standing or consent of instructor.

Description: Overview of major mental disorders and other conditions that maybe the focus of clinical mental health treatment. Treatment issues and an introduction to psychopharmacology. Previously offered as FRCD 5653.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5663 Professionalism and Ethics in Marriage and Family Therapy

Prerequisites: Graduate standing and consent of instructor.

Description: The development of the professional attitude and identity of a marriage and family therapist. The AAMFT Code of Ethics, family law, ethnicity, and gender issues, as related to the practice and profession of marriage and family therapy. Previously offered as FRCD 5663.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5673 Family Dynamics of Addiction

Prerequisites: Graduate standing and consent of instructor.

Description: An examination of the theory and research related to addictive behaviors within couple and family relationships.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5683 Spirituality and Aging

Prerequisites: Admission to the Great Plains IDEA Gerontology Program.

Description: Spirituality in later life from developmental, ethical, multicultural, and applied perspectives. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5690 Marriage and Family Therapy Practicum

Prerequisites: Admission to the marriage and family therapy program and consent of instructor.

Description: Supervised clinical experience for students in the marriage and family therapy specialization. Previously offered as FRCD 5690.

Offered for variable credit, 1-3 credit hours, maximum of 18 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 5693 Child Treatment Practicum in Marriage and Family Therapy

Prerequisites: Admission to the marriage and family therapy program and consent of instructor.

Description: Supervised clinical experience focusing on the treatment of children within a family context.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5713 Individual and Family Resource Management

Description: Survey course of personal finance and family resource management literature to provide an overview of how individuals and family members develop and exercise their capacity to obtain and manage resources to meet life needs. Resources include the self, other people, time, money, energy, material assets, space, and environment. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5750 Seminar in Human Development and Family Science

Description: Current research in human development and family science. Critical study of classic and current research. Previously offered as FRCD 5750. Offered for variable credit, 1-9 credit hours, maximum of 9 credit hours.

Credit hours: 1-9

Contact hours: Contact: 1-9 Other: 1-9

Levels: Graduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 5753 Leadership and Management of Community Service Programs

Prerequisites: Admission to the HDFS GPIEDA Graduate Program.

Description: An examination of leadership and management concepts related to the effective administration of community-based agencies. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5763 Adult Learners in Family and Consumer Sciences Programs

Prerequisites: Admission to the Great Plains IDEA Family and Consumer Sciences Education program.

Description: Development, administration, and evaluation of Family and Consumer Sciences programs focused on adult learners. Applications for Cooperative Extension are highlighted.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5773 Family Dynamics and Addiction Treatment

Prerequisites: HDFS 5673.

Description: Research, theory, and working with families with addiction across social contexts such as culture. Addresses techniques of prevention, intervention, family treatment, and recovery in individuals and family systems.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5783 Methods of Statistical Analysis in HDFS 1

Description: An overview and application of basic statistical concepts, models, and methods for the quantitative analysis of development and change. Course topics to include descriptive statistics, hypothesis testing, analysis of variance, chi-square, t-test, and bivariate correlations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5793 Methods of Statistical Analysis in HDFS 2

Prerequisites: HDFS 5783.

Description: Quantitative models of development and change derived from empirical research utilizing multivariate research design and procedures. Course topics to include multivariate regression techniques for experimental and non-experimental research in human sciences research.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5810 Current Issues in Family and Consumer Sciences Education

Prerequisites: Admission to the Great Plains IDEA Family and Consumer Sciences Education program.

Description: Analysis of current issues specific to Family and Consumer Sciences Education. Web-based instruction. Offered for variable credit, 1-9 credit hours, maximum of 9 credit hours.

Credit hours: 1-9

Contact hours: Lecture: 1-9 Contact: 1-9

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5813 Practicum in Human Development and Family Science

Prerequisites: Admission to graduate study in HDFS, 9 hours of graduate credit in HDFS, and consent of instructor.

Description: Supervised experiences in child development, and family services or health-related settings.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5823 History and Philosophy of Family and Consumer Sciences Education

Prerequisites: Admission to the HDFS Great Plains IDEA Graduate Program.

Description: Historical, philosophical, and legislative bases of Family and Consumer Sciences Education in Cooperative Extension Service, public schools, and higher education. Web-based Instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5833 Occupational Programs in Family and Consumer Sciences

Prerequisites: Admission to the HDFS Great Plains IDEA Graduate Program.

Description: Planning and implementing occupational Family and Consumer Sciences programs and courses. Web-based Instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5843 Reading in the Content Areas of Family and Consumer Sciences Education

Prerequisites: Admission to the HDFS Great Plains IDEA Graduate Program.

Description: Incorporating reading skills in Family and Consumer Sciences Cooperative Extension Service, public school, and higher education settings. Web-based Instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5853 Adolescent Learners in Family and Consumer Sciences Programs

Prerequisites: Admission to the HDFS Great Plains IDEA Graduate Program.

Description: Exploration of adolescent cognitive, physical, social and emotional characteristics, with application to providing group and individual learning experiences in Cooperative Extension Service and public school settings. Web-based Instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5863 Exceptional Learners in Family and Consumer Sciences Programs

Prerequisites: Admission to the HDFS Great Plains IDEA Graduate Program.

Description: Strategies for working with youth, adolescent, and adult exceptional learners in Cooperative Extension Service, public school, and higher education Family and Consumer Sciences programs. Web-based Instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5873 Technology in Family and Consumer Sciences Programs

Prerequisites: Admission to the HDFS Great Plains IDEA Graduate Program.

Description: Incorporation of technology applications in Family and Consumer Sciences Cooperative Extension Service, public school, and higher education settings. Web-based Instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5883 Family and Consumer Sciences in a Pluralistic Society: Foundations and Issues

Prerequisites: Admission to the HDFS Great Plains IDEA Graduate Program.

Description: Discussion of contemporary issues within the context of multicultural influences and cultural diversity in Cooperative Extension Service, public school, and higher education Family and Consumer Sciences settings. Critique of instructional materials and resources for Family and Consumer Sciences programs. Web-based Instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5893 Addressing Family Issues and Public Policy Through Family and Consumer Sciences Education

Prerequisites: Admission to the Great Plains IDEA Family and Consumer Sciences Education program.

Description: Assessment of how Family and Consumer Sciences Education professionals can impact family and community issues. The role of the educator in critically examining these issues through FCS programs. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5903 Instructional Methods in Family and Consumer Sciences

Description: Development of Family and Consumer Sciences Education instructional materials for both Cooperative Extension Service and public school settings. Observation hours required. May not be used for degree credit with HDFS 4913.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5913 Foundations and Principles of Family and Community Services

Prerequisites: Admission to the HDFS Great Plains IDEA Graduate Program.

Description: An introduction to the field of family science and related professions that involve working with individuals and families in communities. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5923 Dynamics of Family Interaction

Prerequisites: Admission to the Great Plains IDEA Graduate Program.

Description: An examination of theories of family function and dysfunction, techniques of assessment, and models of family intervention. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5943 Development of Instructional Materials for Family and Consumer Sciences Programs

Prerequisites: Admission to the HDFS Great Plains IDEA Graduate Program.

Description: Development of individual and group materials for youth, adolescent, and adult Family and Consumer Sciences programs in Cooperative Extension Service, public school, and higher education settings. Web-based Instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5953 Research Experience in Family and Consumer Sciences

Prerequisites: Admission to the HDFS Great Plains IDEA Graduate Program.

Description: Development of a research project related to Family and Consumer Sciences in a Cooperative Extension Service, public school, or higher education setting. Web-based Instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5963 Evaluation and Assessment in Family and Consumer Sciences Programs

Prerequisites: Admission to the HDFS Great Plains IDEA Graduate Program.

Description: Procedures for appraisal of individual growth and achievement in all subject areas in Family and Consumer Sciences Education for Cooperative Extension Service, public school, and higher education settings. Development of evaluative instruments for cognitive, affective, and psychomotor learning. Techniques for interpretation of data. Web-based Instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5973 Administration of Family and Consumer Sciences Education Programs

Prerequisites: Admission to the HDFS Great Plains IDEA Graduate Program.

Description: Emphasis on educational leadership and related issues in Cooperative Extension Service, public school, and higher education Family and Consumer Sciences settings. Web-based Instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5983 Techniques of Supervision in Family and Consumer Sciences Programs

Prerequisites: Admission to the HDFS Great Plains IDEA Graduate Program.

Description: Philosophy, responsibilities, and techniques for supervising in Family and Consumer Sciences Cooperative Extension Service, public school and higher education settings. Web-based Instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 5993 Special Topics in Family and Consumer Sciences Education: 4-H and FCCLA

Prerequisites: Admission to the HDFS Great Plains IDEA Graduate Program.

Description: Techniques for developing and managing 4-H and FCCLA programs as part of Cooperative Extension Service and public school Family and Consumer Sciences programs. Web-based Instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 6000 Doctoral Dissertation

Prerequisites: Consent of instructor.

Description: Research in human environmental sciences for the PhD degree under supervision of a graduate faculty member. Previously offered as FRCD 6000. Offered for variable credit, 1-12 credit hours, maximum of 30 credit hours.

Credit hours: 1-12

Contact hours: Contact: 1-12 Other: 1-12

Levels: Graduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 6100 Doctoral Seminar in Human Development and Family Science

Description: Selected topics in human development and family science focusing on current theory, research, or application. Previously offered as HDFS 6101. Offered for variable credit, 1-3 credit hours, maximum of 9 credit hours.

Credit hours: 1-3

Contact hours: Lecture: 1-3 Contact: 1-3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 6110 Doctoral Directed Study in HDFS

Prerequisites: HDFS 5253, HDFS 5293, HDFS 5513, HDFS 5523 or equivalent and consent of instructor.

Description: Doctoral level directed individual study in human development and family science. Previously offered as FRCD 6110. Offered for variable credit, 1-9 credit hours, maximum of 9 credit hours.

Credit hours: 1-9

Contact hours: Contact: 1-9 Other: 1-9

Levels: Graduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 6112 Teaching Seminar in Human Development and Family Science

Description: Introduction to teaching about development and relationships in higher education. Students will learn how to develop syllabi, present material, create innovative assignments, assess student work, and manage conflicts and difficult discussions in the classroom.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 6113 Professional Development in HDFS

Description: Systematic introduction to the department faculty and research, doctoral program requirements and expectations and aspects of career development.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 6121 Teaching Practicum in Human Development and Family Science

Description: Application of the theories and methods learned in HDFS 6112, and receive regular peer and mentor observation and assessment of classes. Previously offered as HDFS 5190.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 6123 Risk and Resilience in Human Development and Family Science

Prerequisites: HDFS 5213 and HDFS 5513.

Description: Integration of current research and theory in human development and family science to address current issues in individual and family risk and resilience.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 6133 Advanced Research Methods in Human Development and Family Science

Prerequisites: One course in research methods and one in statistics.

Description: Research design and analysis of data appropriate to the areas of human development and family science. Previously offered as FRCD 6133.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 6143 Structural Equation Modeling for HDFS Applications

Prerequisites: HDFS 6133, REMS 6013 or equivalents.

Description: Introduction to structural equation modeling (SEM) with applications to longitudinal and grouped data typical of research in Human Development and Family Science. Includes elementary matrix algebra, measurement models (factor analysis), and latent path models, such as growth curve models. Applications using appropriate statistical software.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 6153 Multilevel Modeling for HDFS Applications

Prerequisites: HDFS 6133 and REMS 6013 or equivalents.

Description: Introduction to advanced statistical methods for analyzing longitudinal and grouped data. Multilevel modeling is emphasized, with brief introductions to other advanced statistical procedures, such as survival analysis and developmental trajectory analysis. Models include occasions nested within persons and persons nested within groups. Applications using appropriate statistical software.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 6190 Research Internship

Prerequisites: Consent of Instructor.

Description: Special research studies under the supervision of a graduate faculty member. Previously offered as FRCD 6190. Offered for variable credit, 1-15 credit hours, maximum of 15 credit hours.

Credit hours: 1-15

Contact hours: Contact: 1-15 Other: 1-15

Levels: Graduate

Schedule types: Independent Study

Department/School: Human Dev & Family Sci

HDFS 6223 Risk and Resilience in Human Development

Prerequisites: HDFS 5253 or HDFS 5293 or equivalent course.

Description: Critical analysis of research and theory on risk and resilience processes in human development across the life course. Emphasis on roles of families in enhancing resilience. Demonstration of application to selected aspects of individual development. Previously offered as FRCD 6223.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 6273 Parent-Child Relations

Description: Examination of theory and research related to parenting and the impact of parenting on the well-being of children, parents and the broader family system. Previously offered as HDFS 5143.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 6283 Seminar in Human Development

Prerequisites: HDFS 5213 and HDFS 5293.

Description: Selected topics in human development with special attention to recent research and current theory.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Human Dev & Family Sci

HDFS 6363 Theories and Research in Early Communication Development**Prerequisites:** HDFS 5213, HDFS 5223 or consent of instructor.**Description:** Recent theories and research in language communication development, including receptive and active language and the relationship of language to early social and cognitive development. Previously offered as FRCD 6363.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Human Dev & Family Sci**HDFS 6523 Advanced Family Theory****Prerequisites:** HDFS 5523.**Description:** Family theory process, including logic, theory construction, and relating conceptual orientations to current research areas.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Human Dev & Family Sci**HDFS 6553 Marital and Couple Relationships****Description:** In-depth analysis of historical and contemporary research on developmental and relational processes in marital and couple relationships. Emphasis on research and theory addressing the nature, dynamics and developmental course of committed couple relationships.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Human Dev & Family Sci**HDFS 6583 Seminar in Family Science****Prerequisites:** HDFS 5513 or HDFS 5523 or consent of instructor.**Description:** Current research and theory in selected topics in family science. Previously offered as HDFS 6580.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Human Dev & Family Sci**HDFS 6613 Contemporary Issues in Marriage and Family Therapy****Prerequisites:** Admission to marriage and family therapy specialization.**Description:** Critical issues facing students in the marriage and family therapy (MFT) specialization, while taking advantage of the unique expertise of clinical faculty. Professional seminar on dialogue with participants taking an active role in the learning process. Previously offered as FRCD 6613.**Credit hours:** 3**Contact hours:** Contact: 3 Other: 3**Levels:** Graduate**Schedule types:** Discussion**Department/School:** Human Dev & Family Sci

Undergraduate Programs

- Early Child Care and Development, BS (p. 1960)
- Human Development and Family Science: Child and Family Services, BS (p. 1962)
- Human Development and Family Science: Early Childhood Education, BS (p. 1964)

- Human Development and Family Science: Family & Consumer Sciences Education, BS (p. 1967)

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 Aging Sciences, Applied Human Services, Developmental and Family Sciences, Early Childhood Education, Family and Community Services, and Marriage and Family Therapy. The PhD is in Human Development and Family Science. Students work with their advisors 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 five centers/institutes that enhance student experiences in graduate study:

1. the Child Development Laboratory (CDL), licensed by the state of Oklahoma and the National Association for the Education of Young Children (NAEYC);
2. the Center for Family Services (CFS) offers 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 (MFT) option;
3. the Gerontology Institute focuses on advancing the quality of life for aging populations through interdisciplinary programs of instruction, research, and public service;
4. the Center for Family Resilience (CFR) focuses 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; and
5. the Institute for Developmental Disabilities learns from and works alongside individuals with intellectual and developmental disabilities and their families.

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: Aging Sciences, Applied Human Services, Developmental and Family Sciences, Early Childhood Education, and Marriage and Family Therapy (COAMFTE Accredited).

Admission to the MS program is selective and requires the completion of a bachelor's degree. Admission decisions are based on a variety of criteria, including grade-point average, GRE scores (MFT only), TOEFL scores (required for students for whom English is a second language, 79 minimum), three letters of recommendation, statement of student goals, and a résumé or vita. Admission is available only for the fall semester in the Marriage and Family Therapy option.

Students in each option take 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 coursework (ranging from a minimum of 12 semester hours to a maximum of 44) in each option, approved by the advisor and student's advisory committee, is focused on integrating theory, research and application within the option. All options offer both a thesis and non-thesis option. The minimum number of semester hours required for each option is: Aging Sciences requires 36 hours; Applied Human Services requires 33 semester hours; Developmental and Family Sciences requires 30 semester hours; Early Childhood Education requires 30 semester hours for thesis plan or 32 for non-thesis plan; and Marriage and Family Therapy requires a minimum of 60 semester hours.

The Aging Sciences 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.

The Applied Human Services option provides leadership in diverse human services careers. Graduates (a) demonstrate an ability to describe, discuss and integrate theory, research and application to address key issues related to individual and family risk and resilience; (b) establish a solid theoretical foundation in Human Development and Family Science, and (c) gain experiences and establish competence related to professional issues in human services. Students select a specialization area based on career goals and interests. This program can also be done as a 4+1 BS/MS degree program.

The Developmental and Family Sciences option is offered as an in-flight degree as part of the HDFS PhD. Coursework focuses on the integration of theory and research in human development and family science, research methods and statistics.

The Early Childhood Education option emphasizes child development as a foundation for the study and practice of professional education of children from birth through age eight. This program can be completed as a 4+1 BS/MS program for 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. 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 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 coursework, a minimum of 500 client contact hours, and the completion of either a thesis or non-thesis plan.

More information on HDFS MS programs may be obtained from the HDFS department, on the web at <https://education.okstate.edu/departments-programs/human-development-family-science/index.html> (<https://education.okstate.edu/departments-programs/human-development-family-science/>) or by e-mail: humansciences.hdfs@okstate.edu.

Online Master of Science Degrees

The Department of Human Development and Family Science offers the following online Master of Science programs that are delivered collaboratively through the Great Plains Interactive Distance Education Alliance: Aging Studies, Family and Community Services, Family and Consumer Sciences Education, and Family Financial Planning.

The Master of Science in Aging Studies is designed and tailored for working professionals interested in beginning or advancing a career in the field of aging and human services. Coursework covers topics including adult development and aging; family systems; care providers; physical, mental and social changes; economics; nutrition and physical activity; and environments and public policy.

The Master of Science in Family and Community Services focuses on the development and implementation of public, private and voluntary support services for individuals, families and communities. This program prepares individuals to function in a variety of occupations promoting family life and family/community well-being.

The Master of Science in Family and Consumer Sciences Education provides focused, relevant studies for individuals planning to advance a career in Family and Consumer Sciences Education. Courses are designed for Cooperative Extension Service educators, public school teachers, and professionals in related areas who are not seeking teacher certification.

The Master of Science in Family Financial Planning prepares students for a career creating and delivering financial strategies. The curriculum includes topics such as estate planning, retirement planning, insurance planning, investing, personal income tax, and financial counseling. The program is a CFP® Board-Registered (<https://www.cfp.net/>) program that satisfies the educational requirement to sit for the CFP® Certification Exam.

For additional information on the online master's program please visit the website at gpidea.okstate.edu (<http://gpidea.okstate.edu/>).

The Doctor of Philosophy Degree

The HDFS Ph.D. is a research doctoral program designed to promote breadth, depth and integration of knowledge in HDFS. Doctoral students collaborate with faculty and other graduate students on research projects which integrate the theoretical and empirical knowledge bases of Developmental Science and Family Science, and investigate key processes associated with risk and resilience. Graduates develop into 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 HDFFS Ph.D. program is a 72-hour doctoral program that can be done straight from a bachelor's degree or after completing a master's degree. The first 30 hours of the doctoral program confers an in-flight Master's Degree in Developmental and Family Science. Students can pick either a Developmental Science or Family Science Option for advanced study.

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 advisor 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 HDFFS.

Admission to the PhD program is selective and requires the completion of a bachelor's degree. Admission decisions are based on a variety of criteria, including grade-point average, GRE scores, TOEFL scores (required for students for whom English is a second language, minimum score of 79 on the internet-based TOEFL), three letters of recommendation, a statement of student goals and a résumé or vita.

More information on the PhD option in HDFFS may be obtained from the HDFFS department at <https://education.okstate.edu/departments-programs/human-development-family-science/index.html> (<https://education.okstate.edu/departments-programs/human-development-family-science/>) or by e-mail: humansciences.hdfs@okstate.edu.

Minors

- Child Development (CHDV), Minor (p. 1959)
- Gerontology (GERO), Minor (p. 1961)
- Human Services (HSVC), Minor (p. 1970)

Faculty

Carlos Valiente, PhD—Professor and Department Head

Assistant Department Head: Jarrod Marcum-Noftsger, MS

Professor and Associate Vice President for Research: Christine Johnson, PhD

Professor and Endowed Professorship in Parenting: Robert Larzelere, PhD

Professor and Bryan Close Professorship in Early Childhood Development: Amanda W. Harrist, PhD

Professor and Masonic Chair for Interdisciplinary Research: Matt Brosi, PhD

Professor and George Kaiser Family Foundation Endowed Chair in Family Resilience: Ron Cox, PhD

Professor: Jennifer Jones, PhD; Lana Beasley, PhD

Professor and Bryan Close Professorship in Adulthood & Aging: Alex Bishop, PhD

Research Professor: Kami Gallus, PhD

Research Associate Professor: Hua Lin

Associate Professor and George Kaiser Family Foundation Endowed Chair in Family & Community Policy: Michael Stout, PhD

Associate Professors: Whitney Shepard, PhD; Michael Criss, PhD; Brandt Gardner, PhD; Nathan Hardy, PhD

Assistant Professors: Michael Fitzgerald, PhD; Preston Morgan, PhD; Emily Able, PhD

Teaching Professor: Paula Tripp, PhD; Ginger Welch, PhD; Jennifer Stepp, PhD

Teaching Assistant Professor: Amanda McCabe, PhD

Assistant Professor of Professional Practice and Director of Opportunity Orange Scholars: Emily Tucker, PhD

Teaching Instructor: Nikki Huckabay, MS; Chloe Morris, EdS

Instructor of Professional Practice and Director of Cleo L. Craig Child Development Laboratory: Sandy Major, MS

Director of Center for Family Resilience: Brooke Tuttle, PhD

Child Development (CHDV), Minor

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Department of Human Development and Family Science, 233 Nancy Randolph Davis, 405-744-5057

Minimum Overall Grade Point Average: 2.50

Total Hours: 17

Code	Title	Hours
Minor Requirements		
HDFS 1112	Introduction to Human Development and Family Science	2
HDFS 2113	Lifespan Human Development (S)	3
HDFS 2123	Developmental Disabilities: Issues Across the Lifespan (D)	3
HDFS 3123	Parenting (S)	3
HDFS 3413	Infant and Child Development	3
HDFS 3443	Family Dynamics	3
Total Hours		17

Other Requirements

- 9 hours upper division with a 2.50 GPA.

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.
- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (<https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf>).

Early Child Care and Development, BS

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113	Composition I	3
ENGL 1213	Composition II	3
<i>American History & Government</i>		
Select one of the following:		
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
Courses designated (A)		
Must include one MATH course.		
<i>Humanities (H)</i>		
Courses designated (H)		
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
6 hours from courses designated (N) with one (L)		
<i>Social & Behavioral Sciences (S)</i>		
3 hours from courses designated (S)		
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		
Hours Subtotal		40
College/Departmental Requirements		
<i>Human Sciences</i>		
EDHS 1112	First Year Seminar	2
or EDHS 3112	Education and Human Sciences First-Year Seminar for Transfer Students	
HDFS 2113	Lifespan Human Development (S)	3
Hours Subtotal		5
Major Requirements		
Minimum grade of "C" in each course		
<i>Pre-Practicum I Courses</i>		
HDFS 3023	Child Development - Birth to 3	3
HDFS 3033	Child Development - 4 to 8	3
HDFS 3043	Professional Development for Early Childhood Educators	3
<i>Practicum I</i>		
HDFS 4013	Practicum I in Early Childhood	3
<i>Pre-Practicum II Courses</i>		
HDFS 3263	Curriculum Development for Children Ages Birth to 3	3

HDFS 3273	Curriculum Development for Children Ages 4-8	3
HDFS 3283	Assessing Young Children and their Environments to Enhance Development	3
HDFS 3293	Understanding and Adapting for Developmental Differences	3
HDFS 3053	Child Guidance and Classroom Environments	3

<i>Practicum II</i>		
HDFS 4023	Practicum II in Early Childhood	3

<i>Professional Development Courses</i>		
HDFS 3303	Administration and Supervision in Early Childhood Settings	3
HDFS 3063	Health, Safety And Nutrition	3
HDFS 3313	Technology And Young Children	3
HDFS 3323	Diversity in the Lives of Young Children and Families	3
HDFS 3333	Working with Families	3

<i>Practicum III</i>		
HDFS 4036	Practicum III in Early Childhood	6

Hours Subtotal		51
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Electives		
Electives can be met with any additional courses providing student meets required prerequisites.		
Hours Subtotal		24

Hours Subtotal		24
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Total Hours		120
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Other Requirements

- 45 hours must be upper-division.
- Transfer Admission Requirements: 2.00 for less than 31 hours; 2.25 for 31-45 hours; 2.50 for more than 45 hours.
- Required for graduation:
 - a. 2.50 overall GPA, and
 - b. 2.50 GPA in Major Requirements and College/Departmental Requirements.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Gerontology (GERO), Minor

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Department of Human Development and Family Science, 233 Nancy Randolph Davis, 405-744-5057

Minimum Overall Grade Point Average: 2.50

Total Hours: 21

Code	Title	Hours
Minor Requirements		
HDFS 2113	Lifespan Human Development (S)	3
HDFS 3443	Family Dynamics	3
HDFS 4413	Successful Aging (S)	3
HDFS 4713	Family Resource Management	3
HDFS 4813	Dying, Death and Bereavement	3
Select 6 hours of the following:		6
HDFS 4543	Intergenerational Relationships (S)	
HDFS 4823	Aging Concepts and Controversies	
HDFS 4950	Research Practicum in HDFS	
Total Hours		21

Other Requirements

- 18 hours upper-division with a 2.50 GPA.

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.
- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (<https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf>).

Human Development and Family Science: Child and Family Services, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 122

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113 or ENGL 1313	Composition I Critical Analysis and Writing I	3
ENGL 1213 or ENGL 1413	Composition II Critical Analysis and Writing II	3
<i>American History & Government</i>		
Select one of the following: 3		
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH 1513 or MATH 1483	College Algebra (A) Mathematical Functions and Their Uses (A)	3
<i>Humanities (H)</i>		
Courses designated (H) 6		
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course.		
Three hours from: 3		
NSCI 2013	Principles of Human Nutrition (N)	
NSCI 2114	Principles of Human Nutrition	
4 hours from courses designated (N) with one (L) 4		
<i>Social & Behavioral Sciences (S)</i>		
SPCH 2713	Introduction to Speech Communication (S)	3
<i>Additional General Education</i>		
Select one of the following: 3		
STAT 2013	Elementary Statistics (A) (Minimum grade of "C")	
STAT 2023	Elementary Statistics for Business and Economics (A) (Minimum grade of "C")	
STAT 2053	Elementary Statistics for the Social Sciences (A) (Minimum grade of "C")	
6 hours from courses designated (A), (H), (N), or (S) 6		
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
Select at least one Diversity (D) course		
Select at least one International Dimension (I) course		

College/Departmental Requirements

<i>Human Sciences</i>		
EDHS 1112 or EDHS 3112	First Year Seminar (Minimum grade of "C") Education and Human Sciences First-Year Seminar for Transfer Students	2
<i>Human Development and Family Science</i>		
ENGL 3323	Technical Writing	3
HDFS 1112	Introduction to Human Development and Family Science (Minimum grade of "C")	2
HDFS 2113	Lifespan Human Development (S) ¹	3
HDFS 2123	Developmental Disabilities: Issues Across the Lifespan (D)	3
HDFS 3123	Parenting (S) ¹	3
HDFS 4533	Critical Issues in Human Development and Family Science	3
Hours Subtotal		19
Major Requirements		
<i>Family Life Education Core</i>		
HDFS 2213	Human Sexuality and the Family (S)	3
HDFS 2523	Professional Skills in Human Services (Minimum grade of "C")	3
HDFS 2433	Relationship Development and Marriage (S)	3
HDFS 3443	Family Dynamics	3
HDFS 4433	Family Life Education	3
HDFS 4473	Policy, Law and Advocacy	3
HDFS 4521	HDFS Child and Family Services: Pre-Internship (Minimum grade of "C")	1
HDFS 4563	Internship in Child and Family Services I	3
HDFS 4572	Internship in Child and Family Services II	2
HDFS 4713	Family Resource Management	3
<i>Developmental Core</i>		
HDFS 3413	Infant and Child Development	3
HDFS 3423	Adolescent Development in Family Contexts (S)	3
HDFS 4413	Successful Aging (S)	3
<i>Risk & Resilience Science Core</i>		
HDFS 3513	Research Methods in Human Development and Family Science	3
HDFS 4423	Family Risk and Resilience	3
Hours Subtotal		42
Professional Track Requirements		
Choose coursework to complete an individualized plan.		
View Individualized Plan (IP) details (p. 1963)		21
Hours Subtotal		21
Total Hours		122

¹

Meets Certified Family Life Education national requirements.

Other Requirements

- 40 hours must be upper-division.
- A 2.50 Major GPA is required for graduation. This includes all courses in College/Departmental, Professional Track and Major Requirements.

- **Transfer Admission Requirements:** 2.00 GPA for less than 31 hours; 2.25 GPA for 31-45 hours; 2.50 GPA for more than 45 hours.

Professional Track Requirements

Individualized Plan (IP)

21 hours with a clearly articulated emphasis approved in writing by the HDFS department head or an OSU minor that supports the HDFS major and student’s career goals, as approved by an advisor. Note: a course required elsewhere on this degree sheet cannot be counted towards two requirements. With approval from advisor and department head, a maximum of 30 hours from an accredited doctoral law or health program may be used for up to 21 hours of electives. Up to 9 hours may be substituted for HDFS 2433 Relationship Development and Marriage (S), HDFS 4433 Family Life Education, and HDFS 4473 Policy, Law and Advocacy.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
EDHS 1112 or EDHS 3112	First Year Seminar (C or better) or Education and Human Sciences First-Year Seminar for Transfer Students	2
HDFS 1112	Introduction to Human Development and Family Science (C or better)	2
HDFS 2113 or HDFS 2114	Lifespan Human Development (S) or Lifespan Human Development: Honors	3
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
3 hours of Humanities (H) - (H/I course suggested)		3
Hours		16
Spring		
ENGL 1213 or ENGL 1413	Composition II or Critical Analysis and Writing II	3
POLS 1113	American Government	3

MATH 1483 or MATH 1513	Mathematical Functions and Their Uses (A) or College Algebra (A)	3
NSCI 2114		4
SPCH 2713	Introduction to Speech Communication (S)	3
Hours		16

Sophomore		
Fall		
HDFS 2213	Human Sexuality and the Family (S)	3
HDFS 2433	Relationship Development and Marriage (S)	3
STAT 2013 or STAT 2023 or STAT 2053	Elementary Statistics (A) (C or better) or Elementary Statistics for Business and Economics (A) or Elementary Statistics for the Social Sciences (A)	3
Natural Science with Lab (N, L)		3
Course designated (A), (H), (N), or (S)		3
Hours		15

Spring		
HDFS 2123	Developmental Disabilities: Issues Across the Lifespan (D)	3
HDFS 2523	Professional Skills in Human Services (C or better)	3
3 hours of Humanities (H)		3
3 hours of controlled electives		3
3 hours of controlled electives		3
Hours		15

Junior		
Fall		
HDFS 3423	Adolescent Development in Family Contexts (S)	3
HDFS 3443	Family Dynamics	3
HDFS 3123	Parenting (S)	3
ENGL 3323	Technical Writing	3
3 hours of controlled electives		3
Hours		15

Spring		
HDFS 3413	Infant and Child Development	3
HDFS 3513	Research Methods in Human Development and Family Science	3
HDFS 4521	HDFS Child and Family Services: Pre-Internship (C or better)	1
3 hours of controlled electives		3
3 hours of controlled electives		3
3 hours of controlled electives		3
Hours		16

Senior		
Fall		
HDFS 4563	Internship in Child and Family Services I	3
HDFS 4413	Successful Aging (S)	3
HDFS 4433	Family Life Education	3
HDFS 4473	Policy, Law and Advocacy	3
3 hours of controlled electives		3
Hours		15

Spring		
HDFS 4572	Internship in Child and Family Services II	2
HDFS 4533	Critical Issues in Human Development and Family Science	3
HDFS 4423	Family Risk and Resilience	3
HDFS 4713	Family Resource Management	3
Course designated (A), (H), (N) or (S)		3
Hours		14

Total Hours		122
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Human Development and Family Science: Early Childhood Education, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 124

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113 or ENGL 1313	Composition I Critical Analysis and Writing I	3
ENGL 1213 or ENGL 1413	Composition II Critical Analysis and Writing II	3
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH 1483 or MATH 1513	Mathematical Functions and Their Uses (A) College Algebra (A)	3
<i>Humanities (H)</i>		
ENGL 2413	Exploring Literature (DH)	3
Select one of the following:		3
AMST 2103	Introduction to American Studies (DH)	
GEOG 3093	Historical Geography of North America to 1800 (H)	
HIST 1613	Western Civilization to 1500 (H)	
HIST 1623	Western Civilization after 1500 (H)	
HIST 1823	World History 1500 to Present (H)	
HIST 2023	History of the Present (H)	
HIST 2333	American Thought and Culture: Survey (H)	
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
BIOL 1113 & BIOL 1111 or BIOL 1114	Introductory Biology (N) and Introductory Biology Laboratory (LN) Introductory Biology (LN)	4
Course designated (N)		4
<i>Social & Behavioral Sciences (S)</i>		
GEOG 1113 or GEOG 1713	Introduction to Cultural Geography (IS) Regions & Nations in Global Context (IS)	3
<i>Additional General Education</i>		
Select one of the following:		3
STAT 2013	Elementary Statistics (A)	

STAT 2023	Elementary Statistics for Business and Economics (A)	
STAT 2053	Elementary Statistics for the Social Sciences (A)	
HDFS 2113 or HDFS 2114	Lifespan Human Development (S) Lifespan Human Development: Honors	3
HDFS 2123	Developmental Disabilities: Issues Across the Lifespan (D)	3
Hours Subtotal		41
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
At least one Diversity (D) course		
At least one International Dimension (I) course		
College/Departmental Requirements		
<i>Human Sciences</i>		
EDHS 1112 or EDHS 3112	First Year Seminar Education and Human Sciences First-Year Seminar for Transfer Students	2
<i>Human Development and Family Science</i>		
HDFS 1112	Introduction to Human Development and Family Science	2
Hours Subtotal		4
Major Requirements		
<i>Early Childhood Education</i>		
HDFS 2211	Early Childhood Field Experience I	1
HDFS 2223	Foundations in Early Childhood Education	3
HDFS 2233	Development of Creative Expression, Play and Motor Skills in Early Childhood	3
HDFS 2243	Infant-Toddler Programming	3
HDFS 3024	Literacy Assessment and Instruction in Early Childhood Education	4
HDFS 3103	Social Development and Social Studies in Early Childhood	3
HDFS 3202	Early Childhood Field Experience II	2
HDFS 3213	Literacy Development in Early Childhood Education	3
HDFS 3223	Mathematics and Science in Early Childhood	3
HDFS 3233	Guidance and Classroom Management in Programs for Young Children	3
HDFS 4313	Early Childhood Field Experience III	3
HDFS 4323	Family, School, and Community	3
HDFS 4333	Early Childhood Capstone	3
HDFS 4339	Student Teaching in Early Childhood Education	9
HDFS 4363	Integrated Curriculum in Early Childhood Education	3
<i>Subject Area Requirements</i>		
Additional Subject Area Requirements in General Education Requirements Section		
Analytical & Quantitative Thought:		
MATH 3403	Geometric Structures for Early Childhood and Elementary Teachers	3

MATH 3603	Mathematical Structures for Early Childhood and Elementary Teachers	3
English Composition & Oral Communication:		
ENGL 3323	Technical Writing	3
Social & Cultural Dimension:		
CIED 4133	Introduction to K-12 English Language Learners	3
Natural Sciences:		
Select one of the following courses:		
GEOL 1014	Geology and Human Affairs (LN)	
GEOL 1224	Evolution of the Earth (LN)	
PBIO 1404	Plant Biology (LN)	
NREM 1014	Introduction to Natural History (LN)	
<i>Professional Core</i>		
HDFS 3413	Infant and Child Development	3
HDFS 3513	Research Methods in Human Development and Family Science	3
EDTC 3123	Applications of Educational Technologies	3
SPED 3202	Educating Exceptional Learners (D)	2
Hours Subtotal		76
Electives		
Electives can be met with any additional courses providing student meets required prerequisites. (Minimum grade of "C")		
Hours Subtotal		3
Total Hours		124

Other Requirements

- 45 hours must be upper-division.
- For licensure/standard certification, the student must demonstrate conversational skills in a foreign language at a novice high level, as defined by the American Council on the Teaching of Foreign Languages. For licensure/standard certification, the student must successfully complete the OGET, OSAT, and OPTE exams and a minimum of three portfolio submissions.
- Required for graduation:
 - 2.50 overall GPA and
 - 2.50 GPA in General Education Requirements, Major Requirements, College/Departmental Requirements, Professional Core and Electives and
 - 2.50 GPA in General Education Requirements, Major Requirements, Professional Core, Electives and College/Departmental Requirements with no grades below "C" or "P".
- Required for recommendation for Licensure/Standard Certification:
 - 2.50 overall (Graduation/Retention) GPA.
- Transfer Admission Requirements: 2.00 for less than 31 hours; 2.25 for 31-45 hours; 2.50 for more than 45 hours.
- The following courses must be completed at Oklahoma State University:

Code	Title	Hours
HDFS 2123	Developmental Disabilities: Issues Across the Lifespan (D)	3
HDFS 2211	Early Childhood Field Experience I	1
HDFS 2223	Foundations in Early Childhood Education	3

HDFS 2233	Development of Creative Expression, Play and Motor Skills in Early Childhood	3
HDFS 2243	Infant-Toddler Programming	3
HDFS 3024	Literacy Assessment and Instruction in Early Childhood Education	4
HDFS 3103	Social Development and Social Studies in Early Childhood	3
HDFS 3202	Early Childhood Field Experience II	2
HDFS 3213	Literacy Development in Early Childhood Education	3
HDFS 3223	Mathematics and Science in Early Childhood	3
HDFS 3233	Guidance and Classroom Management in Programs for Young Children	3
HDFS 4313	Early Childhood Field Experience III	3
HDFS 4323	Family, School, and Community	3
HDFS 4333	Early Childhood Capstone	3
HDFS 4339	Student Teaching in Early Childhood Education	9
HDFS 4363	Integrated Curriculum in Early Childhood Education	3

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
EDHS 1112 or EDHS 3112	First Year Seminar or Education and Human Sciences First-Year Seminar for Transfer Students	2
HDFS 1112	Introduction to Human Development and Family Science	2
MATH 1483 or MATH 1513	Mathematical Functions and Their Uses (A) or College Algebra (A)	3
Natural Science (N) course		4

POLS 1113	American Government	3	HDFS 4323	Family, School, and Community	3
Hours		17	HDFS 4363	Integrated Curriculum in Early Childhood Education	3
Spring					
ENGL 1213 or ENGL 1413	Composition II or Critical Analysis and Writing II	3	HDFS 4313	Early Childhood Field Experience III	3
HDFS 2113 or HDFS 2114	Lifespan Human Development (S) or Lifespan Human Development: Honors	3	Hours		16
STAT 2013 or STAT 2023 or STAT 2053	Elementary Statistics (A) or Elementary Statistics for Business and Economics (A) or Elementary Statistics for the Social Sciences (A)	3	Spring		
NSCI 2114		4	HDFS 4333	Early Childhood Capstone	3
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3	HDFS 4339	Student Teaching in Early Childhood Education	9
Hours		16	Hours		12
Sophomore					
Fall					
HDFS 2123	Developmental Disabilities: Issues Across the Lifespan (D)	3	Hours		
3 hours of Humanities (H) Select one of the following: AMST 2103 (H), GEOG 3093 (H), HIST 1613 (H), HIST 1623 (H), HIST 1823 (H), HIST 2023 (H), or HIST 2333 (H)		3	Total Hours		
MATH 3403	Geometric Structures for Early Childhood and Elementary Teachers	3	124		
ENGL 2413	Exploring Literature (DH)	3			
3 hours of Foreign Language (ASL, CHIN, FREN, GRMN, JAPN, RUSS, or SPAN)		3			
3 hours of Electives		3			
Hours		18			
Spring					
HDFS 2223	Foundations in Early Childhood Education	3			
HDFS 3413	Infant and Child Development	3			
Select one of the following:		4			
BIOL 1114	Introductory Biology (LN)				
BIOL 1113 & BIOL 1111	Introductory Biology (N) and Introductory Biology Laboratory (LN)				
MATH 3603	Mathematical Structures for Early Childhood and Elementary Teachers	3			
HDFS 3513	Research Methods in Human Development and Family Science	3			
Hours		16			
Junior					
Fall					
HDFS 2211	Early Childhood Field Experience I	1			
HDFS 2243	Infant-Toddler Programming	3			
HDFS 2233	Development of Creative Expression, Play and Motor Skills in Early Childhood	3			
SPED 3202	Educating Exceptional Learners (D)	2			
ENGL 3323	Technical Writing	3			
EDTC 3123	Applications of Educational Technologies	3			
Hours		15			
Spring					
HDFS 3202	Early Childhood Field Experience II	2			
HDFS 3213	Literacy Development in Early Childhood Education	3			
HDFS 3223	Mathematics and Science in Early Childhood	3			
HDFS 3103	Social Development and Social Studies in Early Childhood	3			
HDFS 3233	Guidance and Classroom Management in Programs for Young Children	3			
Hours		14			
Senior					
Fall					
GEOG 1113 or GEOG 1713	Introduction to Cultural Geography (IS) or Regions & Nations in Global Context (IS)	3			
HDFS 3024	Literacy Assessment and Instruction in Early Childhood Education	4			

Human Development and Family Science: Family & Consumer Sciences Education, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 122

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113 or ENGL 1313	Composition I Critical Analysis and Writing I	3
ENGL 1213 or ENGL 1413	Composition II Critical Analysis and Writing II	3
<i>American History & Government</i>		
Select one of the following: 3		
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH 1483 or MATH 1513	Mathematical Functions and Their Uses (A) College Algebra (A)	3
<i>Humanities (H)</i>		
Courses designated (H) 6		
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
CHEM 1014	Chemistry In Civilization (LN)	4
Or higher level CHEM		
3 hours from courses designated (N) or (N, L) 3		
<i>Social & Behavioral Sciences (S)</i>		
Courses designated (S) 3		
<i>Additional General Education</i>		
Select one of the following: 3		
STAT 2013	Elementary Statistics (A)	
STAT 2023	Elementary Statistics for Business and Economics (A)	
STAT 2053	Elementary Statistics for the Social Sciences (A)	
Courses designated (A), (H), (N), or (S) 6		
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
At least one Diversity (D) course		
At least one International Dimension (I) course		
College/Departmental Requirements		

Human Sciences

EDHS 1112 or EDHS 3112	First Year Seminar Education and Human Sciences First-Year Seminar for Transfer Students	2
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Human Development and Family Science

CIED 4133	Introduction to K-12 English Language Learners	3
HDFS 1112	Introduction to Human Development and Family Science	2
HDFS 2113	Lifespan Human Development (S)	3
HDFS 2213	Human Sexuality and the Family (S)	3
HDFS 3123	Parenting (S)	3

Hours Subtotal 16

Major Requirements

Program Specialization Courses

Minimum grade of "C" in each course

2.75 minimum GPA in Program Specialization Courses is required for field experience placement

DM 1003	Design Theory and Processes for Design and Merchandising	3
DM 1103	Basic Apparel Assembly	3
DM 2573	Textile Science (LN)	3
DM 2913 or DM 2204	Sewn Product Quality Analysis Intermediate Apparel Assembly	3
FIN 2123	Personal Finance	3
HDFS 2433	Relationship Development and Marriage (S)	3
HDFS 3413	Infant and Child Development	3
HDFS 3423	Adolescent Development in Family Contexts (S)	3
HDFS 4413	Successful Aging (S)	3
HDFS 4713	Family Resource Management	3
HTM 1103	Introduction to Hospitality and Tourism	3
HTM 1113	Fundamentals of Culinary Production	3
HTM 2021	Food Safety and Sanitation	1
NSCI 2013	Principles of Human Nutrition (N)	3
NSCI 3223	Nutrition Across the Life Span	3
NSCI 3543	Food and the Human Environment (IS)	3

Hours Subtotal 46

Professional Education Requirements

Minimum grade of "C" or "P" in each course

2.50 minimum GPA in Professional Education Requirements is required for field experience placement

EDTC 3123	Applications of Educational Technologies	3
HDFS 3603	Family and Consumer Sciences Classroom Management and Educational Foundations	3
HDFS 3623	Field Experiences in Family and Consumer Sciences Education	3
HDFS 4913	Instructional Methods in Family and Consumer Sciences	3
SPED 3202	Educating Exceptional Learners (D)	2
Professional Internship or Student Teaching Experience:		6
Select a professional area (p. 1968)		

Hours Subtotal	20
Total Hours	122

- Degrees that follow this plan must be completed by the end of Summer 2029.

Professional Areas

FCS Cooperative Extension Service

Code	Title	Hours
HDFS 4521	HDFS Child and Family Services: Pre-Internship	1
HDFS 4563	Internship in Child and Family Services I	3
HDFS 4572	Internship in Child and Family Services II	2

FACS School Instruction

Code	Title	Hours
HDFS 4520	Student Teaching in Family and Consumer Sciences Education	6

Other Requirements

- 40 hours must be upper-division.
- Required for graduation:
 - 2.50 overall GPA (cumulative) and
 - 2.75 GPA in combination of Program Specialization Requirements, Professional Education Requirements, and College/Departmental Requirements.
 - No grades lower than "C" in all College/Departmental Requirements, Major Requirements and Professional Education Requirements; and
 - Grade of "P" in all pass/fail courses.
- Required for recommendation for Licensure/Standard Certification:
 - 2.50 overall GPA (cumulative);
 - 2.75 GPA in Program Specialization Courses and Professional Education Requirements;
- For licensure/standard certification, the student must demonstrate conversational skills in a foreign language at a novice high level, as defined by the American Council on the Teaching of Foreign Languages.
- For licensure/standard certification, the student must successfully complete the OGET, OSAT, and OPTE exams and a minimum of three portfolio submissions.
- Transfer Admission Requirements: 2.00 GPA for less than 31 hours; 2.25 GPA for 31-45 hours; 2.50 GPA for more than 45 hours.
- HDFS 1112 Introduction to Human Development and Family Science and HDFS 4521 HDFS Child and Family Services: Pre-Internship must be completed prior to enrolling in internship courses for the FCS Cooperative Extension Service Professional Area.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Secondary School Instruction Professional Area

Course	Title	Hours
Freshman		
Fall		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
EDHS 1112 or EDHS 3112	First Year Seminar or Education and Human Sciences First-Year Seminar for Transfer Students	2
HDFS 1112	Introduction to Human Development and Family Science	2
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
HDFS 2113 or HDFS 2114	Lifespan Human Development (S) or Lifespan Human Development: Honors	3
Humanities Course		3
Hours		16
Spring		
ENGL 1213 or ENGL 1413	Composition II or Critical Analysis and Writing II	3
POLS 1113	American Government	3
NSCI 2114		4
MATH 1483 or MATH 1513	Mathematical Functions and Their Uses (A) or College Algebra (A)	3
DHM 1003		3
Hours		16
Sophomore		
Fall		
HDFS 2433	Relationship Development and Marriage (S)	3
HTM 1113	Fundamentals of Culinary Production	3
DHM 1103		3
CHEM 1014	Chemistry In Civilization (LN) (or higher level CHEM)	4
Course designated "S"		3
Hours		16
Spring		
HDFS 2213	Human Sexuality and the Family (S)	3
DHM 2573		3
STAT 2013 or STAT 2023 or STAT 2053	Elementary Statistics (A) or Elementary Statistics for Business and Economics (A) or Elementary Statistics for the Social Sciences (A)	3
Humanities Course		3
Course Designated "A, H, N, or S"		3
1-hour Elective Credit		1
HTM 2021	Food Safety and Sanitation	1
Hours		17
Junior		
Fall		
FIN 2123	Personal Finance	3

DHM 2913		3
NSCI 3223	Nutrition Across the Life Span	3
HDFS 3603	Family and Consumer Sciences Classroom Management and Educational Foundations	3
HDFS 3423	Adolescent Development in Family Contexts (S)	3
SPED 3202	Educating Exceptional Learners (D)	2
Hours		17
Spring		
HDFS 3123	Parenting (S)	3
HDFS 3413	Infant and Child Development	3
HDFS 4713	Family Resource Management	3
EDTC 3123	Applications of Educational Technologies	3
HDFS 3623	Field Experiences in Family and Consumer Sciences Education	3
Course Designated "A, H, N, or S"		3
Hours		18
Senior		
Fall		
HDFS 4913	Instructional Methods in Family and Consumer Sciences	3
HDFS 4413	Successful Aging (S)	3
NSCI 3543	Food and the Human Environment (IS)	3
Course Designated "N or N, L"		3
ENGL 3323	Technical Writing	3
Hours		15
Spring		
HDFS 4520	Student Teaching in Family and Consumer Sciences Education	6
Hours		6
Total Hours		121

Cooperative Extension Service Professional Area

Course	Title	Hours
Freshman		
Fall		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
EDHS 1112 or EDHS 3112	First Year Seminar (C or better) or Education and Human Sciences First-Year Seminar for Transfer Students	2
HDFS 1112	Introduction to Human Development and Family Science (C or better)	2
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
HDFS 2113 or HDFS 2114	Lifespan Human Development (S) or Lifespan Human Development: Honors	3
Humanities Course		3
Hours		16
Spring		
ENGL 1213 or ENGL 1413	Composition II or Critical Analysis and Writing II	3
POLS 1113	American Government	3
NSCI 2114		4
MATH 1483 or MATH 1513	Mathematical Functions and Their Uses (A) or College Algebra (A)	3
DHM 1003		3
Hours		16
Sophomore		
Fall		
HDFS 2433	Relationship Development and Marriage (S)	3
HTM 1113	Fundamentals of Culinary Production	3
DHM 1103		3

CHEM 1014	Chemistry In Civilization (LN)	4
Course designated "S"		3
Hours		16
Spring		
HDFS 2213	Human Sexuality and the Family (S)	3
DHM 2573		3
STAT 2013 or STAT 2023 or STAT 2053	Elementary Statistics (A) or Elementary Statistics for Business and Economics (A) or Elementary Statistics for the Social Sciences (A)	3
Humanities Course		3
Course Designated "A, H, N, or S"		3
1-hour Elective Credit		1
HTM 2021	Food Safety and Sanitation	1
Hours		17
Junior		
Fall		
FIN 2123	Personal Finance	3
DHM 2913		3
NSCI 3223	Nutrition Across the Life Span	3
HDFS 3603	Family and Consumer Sciences Classroom Management and Educational Foundations	3
HDFS 3423	Adolescent Development in Family Contexts (S)	3
SPED 3202	Educating Exceptional Learners (D)	2
Hours		17
Spring		
HDFS 3123	Parenting (S)	3
HDFS 3413	Infant and Child Development	3
HDFS 4713	Family Resource Management	3
EDTC 3123	Applications of Educational Technologies	3
HDFS 3623	Field Experiences in Family and Consumer Sciences Education	3
Course Designated "A, H, N, or S"		3
Hours		18
Senior		
Fall		
HDFS 4913	Instructional Methods in Family and Consumer Sciences	3
HDFS 4413	Successful Aging (S)	3
NSCI 3543	Food and the Human Environment (IS)	3
Course Designated "N or N, L"		3
ENGL 3323	Technical Writing	3
HDFS 4521	HDFS Child and Family Services: Pre-Internship (C or better)	1
Hours		16
Spring		
HDFS 4563	Internship in Child and Family Services I	3
HDFS 4572	Internship in Child and Family Services II	2
Hours		5
Total Hours		121

Human Services (HSVC), Minor

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Department of Human Development and Family Science, 233 Nancy Randolph Davis, 405-744-5057

Minimum Overall Grade Point Average: 2.50

Total Hours: 17

Code	Title	Hours
Minor Requirements		
HDFS 1112	Introduction to Human Development and Family Science	2
HDFS 2113	Lifespan Human Development (S)	3
HDFS 2433	Relationship Development and Marriage (S)	3
HDFS 2453	Management of Human Service Programs	3
HDFS 2523	Professional Skills in Human Services	3
HDFS 3443	Family Dynamics	3
Total Hours		17

Other Requirements

- 3 hours upper-division with 2.50 GPA.

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.
- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (<https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf>).

Nutritional Sciences

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 coursework for most nursing schools, physician assistant programs, schools of physical and occupational therapy, dental hygiene and other health professions. The public health nutrition option offers coursework for positions in nutrition education, wellness, school food service management and other areas in the health field. 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 supervised practice leading to eligibility for the Commission on Dietetic Registration (CDR) credentialing exam to become a RDN. 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 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 <https://education.okstate.edu/departments-programs/nutritional-sciences/didactic-program-dietetics/index.html> (<https://education.okstate.edu/departments-programs/nutritional-sciences/didactic-program-dietetics/>).

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 2190, 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, 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 nutrition researcher, 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 <https://education.okstate.edu/departments-programs/nutritional-sciences/index.html> (<https://education.okstate.edu/departments-programs/nutritional-sciences/>).

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 1000-hour supervised practice requirement 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 of Sciences 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 (Dietetics Research option or Dietetics Practice option) or enter with at least an MS which is essentially equivalent to the NSCI MS (Dietetics Research option or Dietetics Practice option).

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 2190, Chicago, Illinois 60606-6995, 312.899.0040 ext. 5400.

Dietetic Internship information is found at <https://education.okstate.edu/departments-programs/nutritional-sciences/dietetic-internship-program/index.html> (<https://education.okstate.edu/departments-programs/nutritional-sciences/dietetic-internship-program/>).

Courses

NSCI 2011 Applied Principles of Human Nutrition

Prerequisites: Past completion of or concurrent enrollment in NSCI 2013 and must be majoring or minoring in NSCI.

Description: Application of human nutrition concepts in the form of diet, metabolism, and behavioral measurement.

Credit hours: 1

Contact hours: Lab: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lab

Department/School: Nutritional Sciences

NSCI 2013 Principles of Human Nutrition (N)

Description: Functions of the nutrients in human life processes. Nutrient relationship to health as a basis for food choices. Open to all University students. Previously offered as NSCI 2123, NSCI 2114 and FNIA 1113.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

General Education and other Course Attributes: Natural Sciences

NSCI 2111 Professional Careers in Nutritional Sciences

Prerequisites: For students interested in Allied Health, Community Nutrition or Nutrition and Exercise or consent of instructor.

Description: Career opportunities in health professions. Roles and responsibilities of health care professionals. Routes to professional memberships and current issues in professionalism. Previously offered as FNIA 2111.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 2112 Foods of the African Diaspora: Chronology, Evolution and Impact

Description: An exploration of the evolution of African American foodways and their physical health impacts within the historical contexts of slavery, emancipation, cultural development, religion, and traditional health beliefs.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 2211 Professional Careers in Dietetics

Prerequisites: NSCI students or consent of instructor.

Description: Career opportunities in Dietetics. Roles and responsibilities of Dietitians. Routes to professional memberships and current issues in professionalism.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 2311 Introduction to Public Health Nutrition

Description: Overview of Public Health Nutrition with an emphasis on how biological, social, economic, and political factors affect nutrition and health status of populations.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 2412 Introduction to Nutrition & Food Literacy

Prerequisites: NSCI 2013 or consent of instructor.

Description: Application of nutrition education principles and public health approaches for planning, purchasing, preparing and preserving healthy affordable foods to improve health outcomes.

Credit hours: 2

Contact hours: Lecture: 1 Lab: 3 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Nutritional Sciences

NSCI 2850 Special Topics in Nutritional Sciences

Description: Study of specific consumer education issues or topics in nutritional sciences. Offered for variable credit, 1-3 credit hours, maximum of 4 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Nutritional Sciences

NSCI 3011 Nutrition and Evidence-based Practice I

Prerequisites: NSCI 2013 and STAT 2013 or STAT 2023.

Description: Understanding basic research designs and methodologies, ethics in research, and the use of research in the development of evidence-based recommendations for healthy individuals, applying statistics, and interpreting data in nutrition research.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 3021 Nutrition and Evidence-based Practice II

Prerequisites: NSCI 3011 and BIOL 3204. "C" or better in NSCI 3011

Description: Understanding research focused on pathophysiology of chronic disease and the role of nutrition in the prevention and treatment of these diseases. Course builds on an understanding of physiology and of nutrition research from BIOL 3204 and NSCI 3011. Ethics in research.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 3133 Science of Food Preparation

Prerequisites: HTM 1113 or NSCI 3993 and NSCI 2013, and CHEM 3013.

"C" or better in NSCI 3993.

Description: Scientific principles underlying functions of food ingredients, recipe/menu modification, diet management for disease states and food safety.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 3 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Nutritional Sciences

NSCI 3223 Nutrition Across the Life Span**Prerequisites:** NSCI 2013 or equivalent.**Description:** Nutritional needs and dietary concerns of individuals from conception through old age. Previously offered as NSCI 4223 and FNIA 4223.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 3312 Nutrition Care Process and Assessment****Prerequisites:** NSCI 2013 and NSCI 3223 and BIOL 3204, Option in DIET or consent of instructor. "C" or better in NSCI 3223.**Description:** Familiarity and application of the Nutrition Care Process - a systematic approach to providing quality nutrition care. The student will also be introduced to and be able to apply medical terminology and nutrition assessment practices in the Nutrition Care process.**Credit hours:** 2**Contact hours:** Lecture: 2 Contact: 2**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 3440 Nutritional Sciences Pre-Professional Experience****Prerequisites:** HS 1112 or HS 3112 (or concurrent).**Description:** Student-arranged, instructor-approved, job shadowing, work or volunteer experience in professional settings related to the Nutritional Sciences option. Forty hours of experience required per credit hour. Offered for variable credit, 1-3 credit hours, maximum of 3 credit hours.**Credit hours:** 1-3**Contact hours:** Contact: 1-3 Other: 1-3**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Nutritional Sciences**NSCI 3543 Food and the Human Environment (IS)****Description:** Impact of the various factors that affect food availability, production, processing, distribution and consumption of food in the world. International cultures and foods. Challenges of and solutions to the world food crisis. Previously offered as FNIA 3543.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**General Education and other Course Attributes:** International Dimension, Social & Behavioral Sciences**NSCI 3733 Environmental Nutrition****Prerequisites:** NSCI 2013.**Description:** Evidence-based examination of agricultural production, food systems, and sustainability on food, nutritional quality, and societal health, from harvest to health.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 3813 Nutrition Counseling****Prerequisites:** NSCI 2114 and NSCI 3223 and NSCI 3312 and HDFS 2113 and PSYC 1113 or consent of instructor. "C" or better in NSCI 2114, NSCI 3223 and NSCI 3312.**Description:** Theory and practice of counseling and interviewing skills as applied to nutrition counseling. Previously offered as NSCI 3812.**Credit hours:** 3**Contact hours:** Lecture: 2 Lab: 2 Contact: 4**Levels:** Undergraduate**Schedule types:** Lab, Lecture, Combined lecture and lab**Department/School:** Nutritional Sciences**NSCI 3993 Culinary Principles in Nutrition****Prerequisites:** NSCI 2211. Option in Dietetics or consent of instructor.**Description:** Familiarity and application of techniques and theories of food preparation including use and selection of equipment, sanitation and quality controls.**Credit hours:** 3**Contact hours:** Lecture: 2 Lab: 3 Contact: 5**Levels:** Undergraduate**Schedule types:** Lab, Lecture, Combined lecture and lab**Department/School:** Nutritional Sciences**NSCI 4021 Nutrition and Evidence-based Practice III****Prerequisites:** NSCI 3021. "C" or better in NSCI 3021**Description:** In-depth study of major controversial issues in the field of nutrition. Course builds on understanding of nutrition research from NSCI 3011 and 3021. Review and analysis of current research. Ethics in research.**Credit hours:** 1**Contact hours:** Lecture: 1 Contact: 1**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 4023 Nutrition in the Pathophysiology of Chronic Disease****Prerequisites:** NSCI 2013, NSCI 3011, NSCI 3223 and BIOL 3204. "C" or better in NSCI 3011 and NSCI 3223.**Description:** Analysis of the role of dietary bioactive components in health maintenance and chronic disease prevention. Communication of evidence-based nutrition information to the public.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 4111 Professional Preparation for Careers in Dietetics****Prerequisites:** NSCI 4854 or concurrent, or consent of instructor. "C" or better in NSCI 2211, NSCI 3011, NSCI 3543, NSCI 3813 and NSCI 3993.**Description:** Preparation of supervised practice applications and supporting documents. Options for professional credentials, graduate school, and careers. Professional issues in dietetics.**Credit hours:** 1**Contact hours:** Lecture: 1 Contact: 1**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences

NSCI 4123 Human Nutrition and Metabolism I

Prerequisites: NSCI 2013 and CHEM 3013 or CHEM 3053 and BIOL 3204 or consent of instructor.

Description: Examine the chemical characteristics and functions of macronutrients; digestion, absorption, transport and metabolism of macronutrients; control of intermediary metabolism and metabolic pathways. No credit for students with degree credit in NSCI 5303.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 4133 Nutrition for Exercise and Sport

Prerequisites: NSCI 2013.

Description: Application of principles of nutrient metabolism as they relate to physical activity, sport and health. Strongly recommend a background including NSCI 4123 and BIOC 3653.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 4143 Human Nutrition and Metabolism II

Prerequisites: NSCI 4123 or consent of instructor.

Description: Chemical characteristics, absorption, transport, functions, requirements and health implications of vitamins and minerals. Discussion of phytochemicals and supplements in relation to health maintenance and disease prevention. No credit for students with degree credit in NSCI 5353.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 4313 Dietary and Herbal Supplements

Prerequisites: NSCI 2114 and NSCI 3021 and BIOL 3204 or instructor approval.

Description: Explore the safety and efficacy of botanical/herbal and dietary supplements in health applications including dietary supplementation in the prevention and treatment of chronic disease.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 4331 Quantity Food Production Practicum

Prerequisites: NSCI 2013, NSCI 3993 and NSCI 4573 with a grade of "C" or better. Restricted to DIET option.

Description: Observation and practice in real-life-quantity food production settings. Students will need immunizations, TB tests, and background checks completed before the semester of enrollment in the course.

Credit hours: 1

Contact hours: Lab: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lab

Department/School: Nutritional Sciences

NSCI 4373 Principles of Nutrition Education and Behavior Change

Prerequisites: NSCI 2114 and NSCI 3021 and NSCI 3223 or consent of instructor. "C" or better in NSCI 3021 and NSCI 3223.

Description: Analysis of various methods, strategies, theories, resources and evaluation methods for nutrition education. Principles of behavior change and effective nutrition counseling. Overview of public health nutrition programs. Previously offered as FNIA 4373.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 4573 Management in Dietetics

Prerequisites: ACCT 2103 or ACCT 2003; and NSCI 3993 or HTM 1113 or HTM 1114.

Description: Management practices in the field of dietetics including program, clinical and food systems management.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

Additional Fees: Nutritional Sci Consumable fee of \$20 applies.

NSCI 4632 Community Nutrition I

Prerequisites: NSCI 2114 and NSCI 3223 or consent of instructor. "C" or better in NSCI 2211, NSCI 3011, NSCI 3543, NSCI 3813 and NSCI 3993

Description: Application of nutrition epidemiological, environmental and program assessment practices in community nutrition settings. Field work required.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 4633 Community Nutrition II

Prerequisites: NSCI 2114 and NSCI 3223 and NSCI 4632 or consent of instructor. "C" or better in NSCI 4632

Description: Application of nutrition, education, communication and evaluation principles to planning and implementing community nutrition programs and services. Field work required.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 4643 Capstone for Nutritional Sciences

Prerequisites: Senior standing in NSCI or consent of instructor.

Description: Integration of the body of knowledge in nutritional sciences. Examination of the research basis for defining and solving critical issues. Oral and written reports.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 4850 Special Unit Studies in Nutritional Sciences

Description: Special units of study in nutritional sciences. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Nutritional Sciences

NSCI 4854 Medical Nutrition Therapy I

Prerequisites: NSCI 3223 and NSCI 3813 and NSCI 4123 or concurrent enrollment. "C" or better in NSCI 3813 and NSCI 4123

Description: Physiological and metabolic bases for dietary modifications in disease states. Previously offered as NSCI 4853.

Credit hours: 4

Contact hours: Lecture: 4 Contact: 4

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 4864 Medical Nutrition Therapy II

Prerequisites: NSCI 4854. "C" or better in NSCI 4854.

Description: A continuation of NSCI 4854, Medical Nutrition Therapy I. Previously offered as NSCI 4863 and NSCI 4852.

Credit hours: 4

Contact hours: Lecture: 4 Contact: 4

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 4900 Honors Creative Component

Prerequisites: College of Human Sciences Honors Program participation, senior standing.

Description: Guided creative component for students completing requirements for College Honors in College of Human Sciences. Thesis, creative project or report under the direction of a faculty member in the major area, with second faculty reader and oral exam. Offered for variable credit, 1-3 credit hours, maximum of 3 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Nutritional Sciences

General Education and other Course Attributes: Honors Credit

NSCI 4913 Nutritional Epidemiology

Prerequisites: Junior standing, STAT 2013 and HLTH 3723 and NSCI 2013 with a minimum grade of "C", or consent of instructor.

Description: Assessing the impact of nutrition and physical activity on health outcomes from an epidemiological perspective. Attention will be given to understanding the spectrum of study designs, including their benefits and drawbacks, used to examine this relationship.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5000 Master's Thesis

Prerequisites: Consent of adviser.

Description: Individual research and thesis that will fulfill the requirements for the master's degree. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Nutritional Sciences

NSCI 5003 Diabetes Medical Nutrition Therapy

Prerequisites: Admission to MS in Dietetics.

Description: An in-depth study of diabetes management with emphasis in nutrition care. Topics will include diabetes pathophysiology, clinical care guidelines, basic pharmacology, clinical nutrition education and counseling strategies, and nutrition care planning. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5011 Special Topics in Nutritional Sciences

Prerequisites: NSCI graduate standing.

Description: Orientation to graduate study and research in nutritional sciences.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5012 Public Policy Development in Food, Nutrition and Related Programs

Description: Rationale underlying governmental programs in food and nutrition and human sciences and assessment of the effectiveness of the programs.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5013 Financial Management and Cost Controls in Dietetics

Prerequisites: Admission to Great Plains IDEA online MS in Dietetics or consent of instructor.

Description: An overview of accounting, cost controls, and financial management in food service. Special emphasis placed on understanding the topics and applying them to the theoretical and/or practical research for food service systems. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5023 Advanced Nutrition in the Pathophysiology of Chronic Disease**Prerequisites:** NSCI 2114, NSCI 3011, NSCI 3223 and BIOL 3204.**Description:** In-depth study of the pathophysiology of chronic diseases and the role of dietary bioactive components in health maintenance and disease prevention.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 5033 Macronutrients in Human Nutrition****Prerequisites:** Biochemistry and advanced human nutrition/metabolism, or consent of instructor.**Description:** Characteristics, biological roles, digestion, absorption, transport and metabolism of the macronutrients. Previously offered as NSCI 6023.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 5043 Micronutrients in Human Nutrition****Prerequisites:** NSCI 5033 or consent of instructor.**Description:** In-depth study of vitamins and minerals and their interrelationships in metabolism. Previously offered as NSCI 6123.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 5053 Functional Foods for Chronic Disease Prevention****Prerequisites:** Admission to Great Plains IDEA MS in Dietetics or consent of instructor.**Description:** Integrate and evaluate the regulatory principles, food science, nutrient science and nutritional metabolism for the development of functional foods, nutraceuticals, and dietary supplements for chronic disease prevention. Web-based instruction.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 5063 Food Culture****Prerequisites:** Admission to MS in Dietetics.**Description:** Survey of topics that affect how we perceive food in the modern world. Students examine food as a badge of cultural identity, a focus of media scrutiny and promotion, a symbol of religion, and a driver of technology.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 5073 Nutrition Therapy for Eating Disorders****Prerequisites:** Admission to Great Plains IDEA MS in Dietetics. Medical Nutrition Therapy or consent of instructor.**Description:** Study of eating disorders management and nutrition care. Topics will include eating disorders medical complications, clinical care guidelines, basic pharmacology, clinical nutrition education, nutrition care planning, psychology of eating disorders, team collaboration, and therapeutic modalities for nutrition counseling. Web-based instruction.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 5103 Grant Writing for the Professional****Prerequisites:** Admission to the Great Plains IDEA online MS in Dietetics or consent of instructor.**Description:** Grant proposal preparation experience including written critique of proposals and budget planning. Designed for the working professional. Web-based instruction.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 5123 Research Approaches and Translation in Nutritional Sciences****Description:** Basic components of the research process in nutritional sciences, critical interpretation, and translation to practice applications for nutrition professionals.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 5133 Advanced Nutrition for Exercise and Sport****Prerequisites:** Intro nutrition and biochemistry or consent of instructor.**Description:** Advanced study of nutrition and metabolism relating to physical activity, sports and health.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 5203 Nutrition in Wellness****Prerequisites:** Admission to the Great Plains IDEA online MS in Dietetics or consent of instructor.**Description:** Wellness promotion through nutrition. Nutritional risk and protective factors will be examined as they relate to public health and individual nutrition. Web-based instruction.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences

NSCI 5210 Contemporary Issues in Food Service

Prerequisites: Admission to the Great Plains IDEA online MS in Dietetics program or consent of instructor.

Description: Contemporary issues in food service in dietetics; formulation of innovative solutions and processes to enhance effectiveness in the work place. Previously offered as NSCI 5211. Offered for variable credit, 3-9 credit hours, maximum of 9 credit hours.

Credit hours: 3-9

Contact hours: Contact: 3-9 Other: 3-9

Levels: Graduate

Schedule types: Independent Study

Department/School: Nutritional Sciences

NSCI 5213 Entrepreneurship in Food Service and Dietetics

Prerequisites: Admission to Great Plains IDEA online MS in Dietetics.

Description: An overview of entrepreneurship, characteristics of entrepreneurs and small business development within the context of food service and dietetics. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5223 Advanced Nutrition Across the Life Span

Prerequisites: Admission to the Great Plains IDEA online MS in Dietetics.

Description: Examination of the influence of normal physiological stresses on nutritional needs throughout the life span. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5240 Contemporary Issues in Nutrition

Prerequisites: Enrolled in Great Plains IDEA online MS in Dietetics.

Description: Contemporary issues in nutrition. Web-based instruction. Offered for variable credit, 3-9 credit hours, maximum of 9 credit hours.

Credit hours: 3-9

Contact hours: Contact: 3-9 Other: 3-9

Levels: Graduate

Schedule types: Independent Study

Department/School: Nutritional Sciences

NSCI 5303 Human Nutrition and Metabolism I

Prerequisites: Introductory nutrition, organic chemistry, physiology or consent of instructor.

Description: Examine the chemical characteristics and functions of macronutrients; digestion, absorption, transport and metabolism of macronutrients; control of intermediary metabolism and metabolic pathways. No credit for students with degree credit in NSCI 4123.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5313 Dietary and Herbal Supplements

Prerequisites: Introductory nutrition and human physiology; or consent of instructor.

Description: Explore the safety and efficacy of botanical/herbal and dietary supplements in health applications including dietary supplementation in the prevention and treatment of chronic disease.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5323 Nutrition and Physical Activity in Aging

Description: Basic physiological changes during aging and their impact in health and disease. Successful aging with emphasis on physical activity and nutrition. Practical application to community settings. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5353 Human Nutrition and Metabolism II

Prerequisites: Introductory nutrition, organic chemistry, biochemistry and physiology.

Description: Chemical characteristics, absorption, transport, functions, requirements and health implications of vitamins and minerals.

Discussion of phytochemicals and supplements in relation to health maintenance and disease prevention. No credit for students with degree credit in NSCI 4143.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5363 Maternal and Child Nutrition

Prerequisites: NSCI 2114 or equivalent.

Description: Nutritional needs and dietary concerns during pregnancy, lactation, infancy and childhood through puberty. Discussion of implications for nutrition intervention, family education and policy.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5373 Childhood Nutrition

Prerequisites: Admission to MS in Dietetics.

Description: The physiological, biochemical, and nutritional aspects of disease processes relevant to infants and children up to 18 years of age. Discussion of medical nutrition therapy for a variety of medical conditions found in this population including inborn errors of metabolism, food hypersensitivity, obesity, and diseases of the major organ systems.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5393 Nutrition and Aging**Prerequisites:** NSCI 2114 or equivalent.**Description:** Nutritional needs, and dietary concerns of the elderly. Implications for food and nutrition programs, policies, research and education.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 5403 Contemporary Issues in Dietetics Practice****Prerequisites:** Acceptance as a dietetic intern.**Description:** Contemporary issues in the practice of dietetics; innovative solutions and processes to enhance effectiveness in the workplace.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 5412 Dietetic Internship Management Practicum****Prerequisites:** Acceptance as a dietetic intern.**Description:** Supervised learning experiences in approved food service management for the achievement of performance requirements for entry level dietitians. Graded on a pass-fail basis. Previously offered as NSCI 5440.**Credit hours:** 2**Contact hours:** Contact: 2 Other: 2**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Nutritional Sciences**NSCI 5422 Dietetic Internship Clinical Practicum****Prerequisites:** Acceptance as a dietetic intern.**Description:** Supervised learning experiences in approved clinical for the achievement of performance requirements for entry level dietitians. Graded on a pass-fail basis.**Credit hours:** 2**Contact hours:** Contact: 2 Other: 2**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Nutritional Sciences**NSCI 5432 Dietetic Internship Community Nutrition Practicum****Prerequisites:** Acceptance as a dietetic intern.**Description:** Supervised learning experiences in approved community nutrition settings for the achievement of performance requirements for entry level dietitians. Graded on a pass-fail basis.**Credit hours:** 2**Contact hours:** Contact: 2 Other: 2**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Nutritional Sciences**NSCI 5443 Precision Nutrition****Prerequisites:** For graduate students in NSCI or by permission of the instructor.**Description:** Fundamental concepts for understanding, interpreting, and evaluating studies related to precision nutrition. The goal of this course is to help students understand, in depth, the influence of genetics and epigenetics on nutrient metabolism, and the implications for human metabolic diseases such as cardiovascular disease and cancer. We will also review the current evidence, uncertainties and controversies, and future directions in precision nutrition.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 5453 Nutrition and Health Disparities****Prerequisites:** Lifespan nutrition; or Consent of Instructor.**Description:** Examination of nutrition and health disparities in the U.S. Identification of sociocultural determinants of health and their influence on nutrition and health outcomes. Exploration of interdisciplinary strategies to reduce nutrition and health disparities.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 5473 Pediatric Clinical Nutrition****Prerequisites:** Admission to Great Plains IDEA MS in Dietetics or consent of instructor.**Description:** Examination of the physiological, biochemical and nutritional aspects of disease processes relevant to infants and children up to 18 years of age. Medical nutrition therapy for a variety of medical conditions found in this population including inborn errors of metabolism, food hypersensitivity, obesity and diseases of the major organ systems. Web-based instruction.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 5513 Public Health Nutrition****Prerequisites:** Admission to Great Plains IDEA MS in Dietetics or consent of Instructor.**Description:** Information and activities related to public health nutrition with focus on how nutrition research, policies and programs impact populations. Web-based instruction.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences

NSCI 5543 Obesity Prevention Across the Lifespan

Prerequisites: Introductory and lifespan nutrition; or consent of instructor.

Description: Obesity in the population from childhood to the adult age groups. Examination of the impact of obese conditions on disease development throughout the life span. Critical analysis of prevention efforts and interventions used in the behavioral and clinical management of overweight and obese individuals in community and clinical settings.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5553 Global Nutrition and Food Security

Description: Advanced study of the magnitude, causes, and nature of hunger and under-nutrition in low income countries; emphasis on programs, policies and planning directed toward alleviating hunger and malnutrition.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5563 Nutritional Assessment

Prerequisites: Lifespan nutrition, human nutrition & metabolism, or equivalent.

Description: Dietary, physical, and biochemical assessment techniques and their application to patient or client nutritional status assessment in health care systems.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5603 Statistical Methods in Dietetics

Prerequisites: Admission to MS in Dietetics.

Description: The elementary tools that are commonly used in making statistical decisions in the field of dietetics. Understanding of data and the methods used to analyze such data particularly as it pertains to the dietetics profession. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5613 Nutrition Education and Behavior Change

Prerequisites: Consent of instructor.

Description: Analysis and practice of various learning and behavior change theories and application for understanding and/or modifying eating behavior, diet, and related health indices.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5643 Advanced Medical Nutrition Therapy

Prerequisites: Admission to dietetic internship or consent of instructor.

Description: Physiological and metabolic bases for nutritional support in disease.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 3 Contact: 5

Levels: Graduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Nutritional Sciences

NSCI 5673 Human Resources

Prerequisites: Admission to Great Plains IDEA online MS in Dietetics or consent of instructor.

Description: Future role, focus, practices and governance of human resources in health care.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5683 Fundamentals of Leadership in Dietetics

Prerequisites: Admission to Great Plains IDEA online MS in Dietetics or consent of instructor.

Description: Study of the key issues in the theory, research, and application of leadership within the context of dietetics practice. Includes defining leadership, understanding situational characteristics that facilitate/hinder effective leadership, understanding effective/dysfunctional leadership, and gaining greater insight into one's own leadership style and functioning. Web-based instruction.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5713 Public Health Nutrition and Food Policy

Prerequisites: Consent of instructor

Description: Current issues in the public health and community nutrition with emphasis on the impact of legislative, political, economic, environmental and cultural diversity factors on food systems and nutritional well-being of populations. Application to grant writing, program planning and evaluation.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 5743 Advanced Laboratory Techniques in Nutritional Sciences

Prerequisites: A course in biochemistry and a course in statistics.

Description: An integrated lecture and laboratory course examining the basic theories and techniques used in experimental nutritional sciences. Application of a range of biochemical and molecular biological techniques as they are currently applied to modern biomedical research.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Graduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Nutritional Sciences

NSCI 5753 Health Care Administration**Prerequisites:** Admission to MS in Dietetics.**Description:** Overview of U.S. and international health care systems. Administrative roles of health care professionals and how they affect patient health and health care delivery in various settings.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 5843 Non-thesis Graduate Capstone****Prerequisites:** Final semester and consent of instructor.**Description:** A guided course with a research paper and presentation that is the final requirement for graduate students in NSCI's Master of Science degree, non-thesis plan. Not recommended for students interested in pursuing a PhD. Graded on a pass-fail basis. Previously offered as NSCI 5840.**Credit hours:** 3**Contact hours:** Contact: 3 Other: 3**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Nutritional Sciences**NSCI 5870 Problems in Nutritional Science****Description:** Analysis of emerging problems and trends in nutritional sciences. Offered for variable credit, 1-4 credit hours, maximum of 6 credit hours.**Credit hours:** 1-4**Contact hours:** Contact: 1-4 Other: 1-4**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Nutritional Sciences**NSCI 5913 Nutritional Epidemiology****Prerequisites:** HLTH 5323 or MPH 5323 or admission to NSCI graduate program, and Introductory Nutrition and Statistics, or consent of instructor.**Description:** Assessing the impact of nutrition and physical activity on health outcomes from an epidemiological perspective. Attention will be given to understanding the spectrum of study designs, including their benefits and drawbacks, used to examine this relationship.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 5960 Master's Seminar in Nutritional Sciences****Prerequisites:** NSCI graduate students.**Description:** Individual and group seminars on current issues and research in nutritional sciences. Previously offered as NSCI 5961. Offered for fixed credit, 1 credit hour, maximum of 2 credit hours.**Credit hours:** 1**Contact hours:** Contact: 1 Other: 1**Levels:** Graduate**Schedule types:** Discussion**Department/School:** Nutritional Sciences**NSCI 5963 Environmental Scanning and Analysis****Prerequisites:** Admission to Great Plains IDEA online MS in Dietetics or consent of instructor.**Description:** Discussion of changes in the economic, social, ethical, political, legal, technological, and ecological environments in which dietitians practice. Implications of these changes for education, practice and research within the field with particular emphasis on the healthcare industry. Web-based instruction.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 6000 Doctoral Dissertation****Prerequisites:** Consent of major professor.**Description:** Offered for variable credit, 1-12 credit hours, maximum of 45 credit hours.**Credit hours:** 1-12**Contact hours:** Contact: 1-12 Other: 1-12**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Nutritional Sciences**NSCI 6022 Advanced Energy Metabolism****Prerequisites:** NSCI 5033 and NSCI 5043**Description:** Critical discussion and directed study of current literature and concepts in the nutritional control of gene expression and regulation of energy homeostasis from the cellular to organismal level.**Credit hours:** 2**Contact hours:** Lecture: 2 Contact: 2**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 6033 Phytochemicals****Prerequisites:** Advanced human nutrition/metabolism or consent of instructor.**Description:** Identification of basic structural, functional and metabolic properties of phytochemicals (substances in plants that have been linked to reducing chronic disease). Special attention placed on health benefits and chronic disease risk reduction.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences**NSCI 6223 Nutrition in Immunology****Prerequisites:** NSCI 5043 or consent of instructor.**Description:** Principles and issues related to nutrition and immunology. Impact of nutrients and nutritional status on integrity of the immune system.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Nutritional Sciences

NSCI 6243 Nutrition and Cancer

Description: Examination of basic cancer biology and methodology used to study nutrition and cancer relationships. The role of nutrition in specific cancers, cancer prevention and cancer treatment will be explored.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 6451 Advanced Grant Writing in Nutritional Sciences

Prerequisites: Admission to the PhD in NSCI and NSCI 5123 or equivalent, or consent of instructor.

Description: Grant writing, identifying external funding and managing grants for nutritional sciences research projects.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 6643 Clinical Aspects of Nutrition Support

Prerequisites: Medical nutrition therapy; or consent of instructor.

Description: Specialized nutrition assessment and support. Review of energy expenditure and substrate utilization in specific disease states. Current methods for the initiation and management of enteral and parenteral nutrition therapy including access, metabolic and mechanical complications. Evaluation of nutrition support methodology in selected disease states.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Nutritional Sciences

NSCI 6870 Independent Study in Nutritional Sciences

Description: In-depth analysis of research issues in nutritional sciences. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Nutritional Sciences

NSCI 6960 Seminar: Emerging Topics in Nutrition

Description: Critical evaluation of research in nutritional sciences. Individual and group seminars on selected topics. Previously offered as NSCI 6961. Offered for fixed credit, 1 credit hour, maximum of 4 credit hours.

Credit hours: 1

Contact hours: Contact: 1 Other: 1

Levels: Graduate

Schedule types: Discussion

Department/School: Nutritional Sciences

Undergraduate Programs

- Nutritional Sciences: Allied Health, BS (p. 1984)
- Nutritional Sciences: Dietetics, BS (p. 1987)
- Nutritional Sciences: Human Nutrition/Pre-Medical Sciences, BS (p. 1989)
- Nutritional Sciences: Public Health Nutrition, BS (p. 1992)

Graduate Programs

The Department of Nutritional Sciences (NSCI) offers graduate study leading to a Graduate Certificate in Dietetics, Master of Science degree in Nutritional Sciences and a Doctor of Philosophy degree 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 advisor and advisory committee to develop flexible, yet rigorous programs of study and research that meet the degree requirements and each student's professional goals within an area of specialization in the field.

The Graduate Certificate in Dietetics

The Graduate Certificate in Dietetics builds competencies in the area of Dietetics and provides a path for eligibility to sit for the Registered Dietitian Nutritionist credential examination. The Graduate Certificate in Dietetics is designed for students who are concurrently enrolled in a Master of Public Health (MPH) or related graduate program. Applicants must have completed an Accreditation Council for Nutrition and Dietetics (ACEND) accredited Didactic Program in Dietetics and have a verification statement. The Plan of Study (POS) includes 18 credit hours, including the dietetic internship practicum courses. The practicum courses fulfill the supervised practice requirements of ACEND.

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), letters of recommendation and goal statement; Graduate Record Examination (GRE) scores are optional. 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 coursework 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 and/or demonstrate academic ability.

Students in the MS NSCI program may select from three options: Dietetics Research, Dietetics Practice, or Nutrition. Choosing an option should be guided by the student's academic and career goals. In all three options, the student's plan of study and area of research, if applicable, are determined in consultation with his/her advisor and advisory committee. The Dietetics Research and Dietetics Practice options are designed for students who aim to earn a MS degree and complete the accredited Dietetic Internship program. Respectively, the two options require a minimum of 36 or 32 credit hours. Students applying for these options must have completed an ACEND accredited Didactic Program in Dietetics and have a verification statement. The Nutrition option is designed for students who aim to enhance their career with a graduate degree or to prepare for a doctoral program. Students desiring to conduct research should select either the Dietetics Research or Nutrition option; both have a thesis and non-thesis plan. In both plans, thesis research is conducted within the advisor's area of expertise and is approved by an advisory committee. The non-thesis MS degree plan requires three credit hours of NSCI 5843 Non-thesis Graduate Capstone including a written research paper and an oral presentation.

An online Master of Science degree in Nutritional Sciences with an option in Dietetics is also offered to Registered Dietitians (RD), individuals who are RD eligible, or have completed a Didactic Program in Dietetics. OSU offers this degree program as a member of the Great Plains Interactive Distance Education Alliance (Great Plains IDEA) which provides the opportunity for eligible individuals to study with faculty from eight universities in the 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 Non-thesis Graduate Capstone. A faculty advisor and the graduate committee from the Nutritional Sciences department must approve a student's program of study. More detailed information can be found at: gpidea.okstate.edu (<http://gpidea.okstate.edu>).

The Doctor of Philosophy Degree

The PhD degree is awarded in Nutritional Sciences. Two programs are available: a 60-hour program for MS graduates and an 80-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, professional school and graduate coursework are considered in the evaluation of the applicant; Graduate Record Examination (GRE) scores are optional. If a thesis was not required as a component of the applicant's MS program, the student's advisory committee reserves the right to determine if a thesis or thesis-equivalent project must be completed.

Students accepted into the 60-credit hour PhD option must have completed 30 hours of graduate coursework in nutrition or an area of specialization such as biochemistry, biology, dietetics, public health, exercise science, food science, hospitality/restaurant management, or other major field related to the desired area of study. A master's degree is highly preferred but not required. If a thesis was not completed as a part of the graduate coursework, the student's advisory committee reserves the right to determine if a thesis or thesis-equivalent project must be completed. Students with a degree or graduate coursework in a subject area other than nutrition may be considered for provisional admission with courses completed in the first year of admission to assure a basic nutrition foundation and earning a 3.0 or higher GPA. The graduate faculty committee will determine which courses must be completed within the first year of admission; the courses will be indicated in the applicant's admission letter.

Students accepted into the 80-credit hour PhD option must hold a Bachelor of Science (BS) in nutrition or an area of specialization such as biochemistry, biology, dietetics, public health, exercise science, food science, hospitality/restaurant management, or other major field related to the desired area of study. Students with a degree in a subject area other than nutrition may be considered for provisional admission with completion of courses in the first year of admission to assure a basic nutrition foundation and the student earns a 3.0 or higher GPA. The graduate faculty committee will determine which courses must be completed within the first year of admission and will be indicated in the applicant's admission letter.

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 advisor 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 accessing the website at Department of Nutritional Sciences, Graduate Programs (<https://education.okstate.edu/departments-programs/nutritional-sciences/graduate.html>).

Minors

- Nutritional Sciences (NSCI), Minor (p. 1983)

Faculty

Deana A. Hildebrand, PhD, RD/LD—Interim Department Head and Professor

Regents Professor and Marilyn Thoma Chair: Barbara J. Stoecker, PhD, RD/LD, FAND

Regents Professor and Jim and Lynne Williams Endowed Professor: Edralin A. Lucas, PhD

Professor and Associate Dean for Research and Graduate Studies: Stephen L. Clarke, PhD, RD

Professor and John and Sue Taylor Endowed Professor: Dingbo Lin, PhD
Professor and Cooperative Extension Specialist: Janice Hermann, PhD, RD/LD

Associate Professor: Winyoo Chohanadisai, PhD; Sam Emerson, PhD
Interim Graduate Coordinator and Assistant Professor: Jillian Joyce, PhD, RD

Assistant Professors: Jiyoung Bae, PhD; McKale Montgomery, PhD, RD; Yoo Kim, PhD; Allison Hepworth, PhD; Ashlea Braun, PhD, RDN; Harriet Okronipa, PhD

Teaching Assistant Professor: Lauren Amaya, PhD, RD/LD, Shirley Evans, PhD, PA, RD/LD

Teaching Instructor: Michael Rhone, MS, RD

Teaching Associate Professor and Director of Dietetic Internship: Gena Wollenberg, PhD, RD/LD

Instructor of Professional Practice and Director of Didactic Program in Dietetics and Assistant Director of Dietetic Internship: Catherine Palmer, MS, RD/LD

Associate Extension Specialist and CNEP Coordinator: Candance Gabel, MS, RD/LD

Associate Extension Specialists: Jenni Klufa, MS, RD/LD; Diana Romano, MS, RD/LD

Nutritional Sciences (NSCI), Minor

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Department of Nutritional Sciences, 301 Nancy Randolph Davis,
405-744-5040

Minimum Overall Grade Point Average: 2.50

Total Hours: 17

Code	Title	Hours
Minor Requirements		
NSCI 2013	Principles of Human Nutrition (N)	3
NSCI 2011	Applied Principles of Human Nutrition	1
NSCI 3011	Nutrition and Evidence-based Practice I	1
NSCI 3021	Nutrition and Evidence-based Practice II	1
NSCI 3223	Nutrition Across the Life Span	3
NSCI 3543	Food and the Human Environment (IS)	3
Choose 5-6 Hours from Elective Courses		5
NSCI 4023	Nutrition in the Pathophysiology of Chronic Disease	
NSCI 4123	Human Nutrition and Metabolism I	
NSCI 4133	Nutrition for Exercise and Sport	
NSCI 4143	Human Nutrition and Metabolism II	
NSCI 4373	Principles of Nutrition Education and Behavior Change	
NSCI 4632	Community Nutrition I	
NSCI 4633	Community Nutrition II	
NSCI 4913	Nutritional Epidemiology	
Total Hours		17

Other Requirements

- Acceptance to the minor based upon cumulative graduation/retention GPA of 2.50.
- Minimum of "C" required in all minor courses.

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.
- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (<https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf>).

Nutritional Sciences: Allied Health, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113 or ENGL 1313	Composition I Critical Analysis and Writing I	3
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH 1513 or MATH 1483	College Algebra (A) Mathematical Functions and Their Uses (A)	3
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
CHEM 1215 or CHEM 1314	Chemical Principles I (LN) ¹ Chemistry I (LN)	4
CHEM 1225 or CHEM 1515	Chemical Principles II (LN) Chemistry II (LN)	5
<i>Social & Behavioral Sciences (S)</i>		
Courses designated (S)		3
<i>Additional General Education</i>		
BIOL 1113 & BIOL 1111 or BIOL 1114	Introductory Biology (N) and Introductory Biology Laboratory (LN) Introductory Biology (LN)	4
SPCH 2713 or SPCH 3723	Introduction to Speech Communication (S) Business and Professional Communication	3
STAT 2013 or STAT 2023	Elementary Statistics (A) Elementary Statistics for Business and Economics (A)	3
Hours Subtotal		43

Diversity (D) & International Dimension (I)

May be completed in any part of the degree plan

At least one Diversity (D) course

At least one International Dimension (I) course

College/Departmental Requirements		
<i>Human Sciences</i>		
EDHS 1112 or EDHS 3112	First Year Seminar Education and Human Sciences First-Year Seminar for Transfer Students	2
HDFS 2113	Lifespan Human Development (S)	3
<i>Nutritional Sciences</i>		
NSCI 3011	Nutrition and Evidence-based Practice I	1
NSCI 3021	Nutrition and Evidence-based Practice II	1
NSCI 4021	Nutrition and Evidence-based Practice III	1
Hours Subtotal		8
Major Requirements		
2.50 GPA is required for Major Requirements		
NSCI 2013	Principles of Human Nutrition (N)	3
NSCI 2011	Applied Principles of Human Nutrition	1
NSCI 3223	Nutrition Across the Life Span	3
NSCI 3440	Nutritional Sciences Pre-Professional Experience (1 hour)	1
NSCI 3543	Food and the Human Environment (IS)	3
NSCI 4023	Nutrition in the Pathophysiology of Chronic Disease	3
NSCI 4123	Human Nutrition and Metabolism I	3
NSCI 4143	Human Nutrition and Metabolism II	3
NSCI 4373	Principles of Nutrition Education and Behavior Change	3
BIOL 3204	Physiology	4
BIOL 3214	Human Anatomy	4
Select one of the following (see advisor):		5
CHEM 3013 & CHEM 3012	Survey of Organic Chemistry and Survey of Organic Chemistry Laboratory	
CHEM 3053 & CHEM 3112 & CHEM 3153	Organic Chemistry I and Organic Chemistry Laboratory and Organic Chemistry II ¹	
HHP 2802	Medical Terminology for the Health Professions	2
HLTH 2603	Total Wellness (S)	3
MICR 2123	Introduction to Microbiology	3
MICR 2132	Introduction to Microbiology Laboratory	2
UNIV 2511	Introduction to Health Careers	1
19-22 hours of controlled electives to total 69 hours of major requirements		22
Hours Subtotal		69
Total Hours		120

¹

If a student takes CHEM 1215 Chemical Principles I (LN) one hour will count as a controlled elective. If student completes CHEM 3013 Survey of Organic Chemistry and CHEM 3012 Survey of Organic Chemistry Laboratory, student must take 22 hours of controlled electives. If student completes CHEM 3053 Organic Chemistry I, CHEM 3112 Organic Chemistry Laboratory and CHEM 3153 Organic Chemistry II, student must take 19 hours of controlled electives.

Consult admissions requirements for specific professional programs.

Ensure that enough upper-division controlled electives are taken to meet the 40 hour upper-division Regents requirement.

This degree program does not meet all the Didactic Program in Dietetics academic course requirements. See the NSCI Major/Dietetics Option sheet for courses to be added.

Other Requirements

- 40 upper-division hours required.
- A 2.50 Major GPA is required. This includes all courses in College/ Departmental and Major Requirements.
- A grade of "C" or better is required in all NSCI 3000- and 4000-level courses.
- Transfer Admission Requirement: 2.50 GPA.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
EDHS 1112 or EDHS 3112	First Year Seminar or Education and Human Sciences First-Year Seminar for Transfer Students	2
BIOL 1113 & BIOL 1111 or BIOL 1114	Introductory Biology (N) or Introductory Biology (LN)	4
MATH 1513 or MATH 1483	College Algebra (A) or Mathematical Functions and Their Uses (A)	3
ENGL 1113	Composition I	3
	3 hours of (S) - Suggested: PSYC 1113 or SOC 1113	3
UNIV 2511	Introduction to Health Careers	1
Hours		16
Spring		
NSCI 2114		4
CHEM 1314 or CHEM 1215	Chemistry I (LN) ¹ or Chemical Principles I (LN)	4
ENGL 1213	Composition II	3
POLS 1113	American Government	3
Hours		14
Sophomore		
Fall		
NSCI 3440	Nutritional Sciences Pre-Professional Experience	1
CHEM 1515 or CHEM 1225	Chemistry II (LN) or Chemical Principles II (LN)	5
STAT 2013 or STAT 2023	Elementary Statistics (A) or Elementary Statistics for Business and Economics (A)	3
HLTH 2603	Total Wellness (S)	3
	3 hours of controlled electives	3
Hours		15
Spring		
NSCI 3223	Nutrition Across the Life Span	3
CHEM 3013 or CHEM 3053	Survey of Organic Chemistry ¹ or Organic Chemistry I	3
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
SPCH 2713	Introduction to Speech Communication (S)	3
	4 hours of controlled electives	4
Hours		16
Junior		
Fall		
NSCI 3543	Food and the Human Environment (IS)	3
NSCI 3011	Nutrition and Evidence-based Practice I	1
CHEM 3153 or CHEM 3012	Organic Chemistry II ¹ or Survey of Organic Chemistry Laboratory	2
BIOL 3204	Physiology	4
MICR 2123	Introduction to Microbiology	3
Hours		13
Spring		
NSCI 3021	Nutrition and Evidence-based Practice II	1
	CHEM 3112 Organic Chemistry Laboratory ¹	
MICR 2132	Introduction to Microbiology Laboratory	2
BIOL 3214	Human Anatomy	4
HHP 2802	Medical Terminology for the Health Professions	2
HDFS 2113	Lifespan Human Development (S)	3
	3 hours of controlled electives	3
Hours		15
Senior		
Fall		
NSCI 4023	Nutrition in the Pathophysiology of Chronic Disease	3

NSCI 4123	Human Nutrition and Metabolism I	3
NSCI 4021	Nutrition and Evidence-based Practice III	1
3 hours of Humanities/Diversity		3
6 hours of upper-division controlled electives		6
Hours		16
Spring		
NSCI 4373	Principles of Nutrition Education and Behavior Change	3
NSCI 4143	Human Nutrition and Metabolism II	3
3 hours of Humanities		3
3-6 hours of controlled electives ^{1, 2}		6
Hours		15
Total Hours		120

1

If a student takes CHEM 1215 Chemical Principles I (LN) one hour will count as a controlled elective. If student completes CHEM 3013 Survey of Organic Chemistry and CHEM 3012 Survey of Organic Chemistry Laboratory, student must take 22 hours of controlled electives. If student completes CHEM 3053 Organic Chemistry I, CHEM 3112 Organic Chemistry Laboratory and CHEM 3153 Organic Chemistry II, student must take 19 hours of controlled electives.

2

Hours variation dependent on Organic Chemistry series taken.

Nutritional Sciences: Dietetics, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 121

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113 or ENGL 1313	Composition I Critical Analysis and Writing I	3
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH 1513 or MATH 1483	College Algebra (A) Mathematical Functions and Their Uses (A)	3
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
CHEM 1215 or CHEM 1314	Chemical Principles I (LN) Chemistry I (LN)	4
CHEM 1225 or CHEM 1515	Chemical Principles II (LN) Chemistry II (LN)	5
<i>Social & Behavioral Sciences (S)</i>		
PSYC 1113	Introductory Psychology (S)	3
<i>Additional General Education</i>		
BIOL 1113 & BIOL 1111 or BIOL 1114	Introductory Biology (N) and Introductory Biology Laboratory (LN) Introductory Biology (LN)	4
SPCH 2713 or SPCH 3723	Introduction to Speech Communication (S) Business and Professional Communication	3
STAT 2013 or STAT 2023	Elementary Statistics (A) Elementary Statistics for Business and Economics (A)	3
Hours Subtotal		43

Diversity (D) & International Dimension (I)

May be completed in any part of the degree plan

At least one Diversity (D) course

At least one International Dimension (I) course

College/Departmental Requirements		
<i>Human Sciences</i>		
EDHS 1112 or EDHS 3112	First Year Seminar Education and Human Sciences First-Year Seminar for Transfer Students	2
HDFS 2113	Lifespan Human Development (S)	3
<i>Nutritional Sciences</i>		
NSCI 3011	Nutrition and Evidence-based Practice I	1
NSCI 3021	Nutrition and Evidence-based Practice II	1
NSCI 4021	Nutrition and Evidence-based Practice III	1
Hours Subtotal		8
Major Requirements		
2.50 GPA is required for Major Requirements		
NSCI 2211	Professional Careers in Dietetics	1
NSCI 2013 & NSCI 2011	Principles of Human Nutrition (N) and Applied Principles of Human Nutrition	4
NSCI 3133	Science of Food Preparation	3
NSCI 3223	Nutrition Across the Life Span	3
NSCI 3312	Nutrition Care Process and Assessment	2
NSCI 3440	Nutritional Sciences Pre-Professional Experience (1 hour)	1
NSCI 3543	Food and the Human Environment (IS)	3
NSCI 3813	Nutrition Counseling	3
NSCI 3993	Culinary Principles in Nutrition	3
NSCI 4023	Nutrition in the Pathophysiology of Chronic Disease	3
NSCI 4111	Professional Preparation for Careers in Dietetics	1
NSCI 4123	Human Nutrition and Metabolism I	3
NSCI 4143	Human Nutrition and Metabolism II	3
NSCI 4331	Quantity Food Production Practicum	1
NSCI 4573	Management in Dietetics	3
NSCI 4632	Community Nutrition I	2
NSCI 4633	Community Nutrition II	3
NSCI 4854	Medical Nutrition Therapy I	4
NSCI 4864	Medical Nutrition Therapy II	4
ACCT 2103 or ACCT 2003	Financial Accounting Survey of Accounting	3
BIOC 3653	Survey of Biochemistry	3
BIOL 3204	Physiology	4
CHEM 3013 & CHEM 3012	Survey of Organic Chemistry and Survey of Organic Chemistry Laboratory	5
MICR 2123	Introduction to Microbiology	3
MICR 2132	Introduction to Microbiology Laboratory	2
Hours Subtotal		70
Total Hours		121

This degree program meets the Didactic Program in Dietetics requirements for the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2190, Chicago, IL 60606-6995, 312/899-0040, Ext. 5400.

Other Requirements

- 40 upper-division hours required.
- A 2.50 Major GPA is required. This includes all courses in College/Departmental and Major Requirements.
- A grade of "C" or better is required in all NSCI 3000- and 4000-level courses.
- Transfer Admission Requirement: 2.50 GPA.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
NSCI 2114		4
EDHS 1112 or EDHS 3112	First Year Seminar or Education and Human Sciences First-Year Seminar for Transfer Students	2
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
BIOL 1113 & BIOL 1111 or BIOL 1114	Introductory Biology (N) or Introductory Biology (LN)	4
MATH 1513 or MATH 1483	College Algebra (A) or Mathematical Functions and Their Uses (A)	3
Hours		16
Spring		
NSCI 2211	Professional Careers in Dietetics	1
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
CHEM 1215 or CHEM 1314	Chemical Principles I (LN) or Chemistry I (LN)	4
HDFS 2113	Lifespan Human Development (S)	3
Hours		14

Sophomore

Fall

CHEM 1225 or CHEM 1515	Chemical Principles II (LN) or Chemistry II (LN)	5
POLS 1113	American Government	3
ACCT 2003	Survey of Accounting	3
NSCI 3993	Culinary Principles in Nutrition	3
NSCI 3440	Nutritional Sciences Pre-Professional Experience	1

Hours 15

Spring

CHEM 3013	Survey of Organic Chemistry	3
CHEM 3012	Survey of Organic Chemistry Laboratory	2
STAT 2013 or STAT 2023	Elementary Statistics (A) or Elementary Statistics for Business and Economics (A)	3
NSCI 3223	Nutrition Across the Life Span	3
3 hours of Humanities (H)		3
PSYC 1113	Introductory Psychology (S)	3

Hours 17

Junior

Fall

NSCI 3312	Nutrition Care Process and Assessment	2
NSCI 3011	Nutrition and Evidence-based Practice I	1
BIOC 3653	Survey of Biochemistry	3
BIOL 3204	Physiology	4
3 hours of Humanities with Diversity designation		3
SPCH 2713	Introduction to Speech Communication (S)	3

Hours 16

Spring

NSCI 3813	Nutrition Counseling	3
NSCI 3543	Food and the Human Environment (IS)	3
NSCI 4023	Nutrition in the Pathophysiology of Chronic Disease	3
NSCI 3021	Nutrition and Evidence-based Practice II	1
MICR 2123	Introduction to Microbiology	3
MICR 2132	Introduction to Microbiology Laboratory	2

Hours 15

Senior

Fall

NSCI 4123	Human Nutrition and Metabolism I	3
NSCI 4854	Medical Nutrition Therapy I	4
NSCI 4573	Management in Dietetics	3
NSCI 4111	Professional Preparation for Careers in Dietetics	1
NSCI 4021	Nutrition and Evidence-based Practice III	1
NSCI 4632	Community Nutrition I	2

Hours 14

Spring

NSCI 4143	Human Nutrition and Metabolism II	3
NSCI 3133	Science of Food Preparation	3
NSCI 4633	Community Nutrition II	3
NSCI 4864	Medical Nutrition Therapy II	4
NSCI 4331	Quantity Food Production Practicum	1

Hours 14

Total Hours 121

1

Required at some time during the degree program.

Nutritional Sciences: Human Nutrition/Pre-Medical Sciences, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113 or ENGL 1313	Composition I Critical Analysis and Writing I	3
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH 1513	College Algebra (A)	3
<i>Humanities (H)</i>		
Courses designated (H)		6
Recommended:		
PHIL 3833 or PHIL 4013	Biomedical Ethics (H) Perspectives on Death and Dying (H)	
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
CHEM 1314	Chemistry I (LN)	4
CHEM 1515	Chemistry II (LN)	5
<i>Social & Behavioral Sciences (S)</i>		
Course designated (S)		3
Recommended:		
SOC 1113	Introductory Sociology (S)	
<i>Additional General Education</i>		
MATH 1613 or MATH 1813	Trigonometry (A) Preparation for Calculus (A)	3
PHYS 1114 or PHYS 2014	College Physics I (LN) University Physics I (LN)	4
SPCH 2713 or SPCH 3723	Introduction to Speech Communication (S) Business and Professional Communication	3
Hours Subtotal		43
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
At least one Diversity (D) course		

At least one International Dimension (I) course

College/Departmental Requirements		
<i>Human Sciences</i>		
EDHS 1112 or EDHS 3112	First Year Seminar Education and Human Sciences First-Year Seminar for Transfer Students	2
HDFS 2113	Lifespan Human Development (S)	3
<i>Nutritional Sciences</i>		
NSCI 3011	Nutrition and Evidence-based Practice I	1
NSCI 3021	Nutrition and Evidence-based Practice II	1
NSCI 4021	Nutrition and Evidence-based Practice III	1
Hours Subtotal		8
Major Requirements		
2.50 GPA is required for Major Requirements		
NSCI 2013	Principles of Human Nutrition (N)	3
NSCI 2011	Applied Principles of Human Nutrition	1
NSCI 3223	Nutrition Across the Life Span	3
NSCI 3440	Nutritional Sciences Pre-Professional Experience (1 hour)	1
NSCI 3543	Food and the Human Environment (IS)	3
NSCI 4023	Nutrition in the Pathophysiology of Chronic Disease	3
NSCI 4123	Human Nutrition and Metabolism I	3
NSCI 4143	Human Nutrition and Metabolism II	3
BIOC 3653	Survey of Biochemistry	3
BIOL 1113 & BIOL 1111 or BIOL 1114	Introductory Biology (N) and Introductory Biology Laboratory (LN) Introductory Biology (LN)	4
BIOL 3023 or ANSI 3423	General Genetics Animal Genetics	3
BIOL 3204	Physiology	4
BIOL 3214	Human Anatomy	4
CHEM 3053	Organic Chemistry I	3
CHEM 3112	Organic Chemistry Laboratory	2
CHEM 3153	Organic Chemistry II	3
MICR 2123	Introduction to Microbiology	3
MICR 2132	Introduction to Microbiology Laboratory	2
MICR 3033	Cell and Molecular Biology	3
STAT 2013	Elementary Statistics (A)	3
PHYS 1214 or PHYS 2114	College Physics II (LN) University Physics II (LN)	4
PSYC 1113	Introductory Psychology (S)	3
UNIV 2511	Introduction to Health Careers	1
UNIV 3511	Health Profession School Preparation	1
Select 3 hours of preprofessional/prehealth controlled electives to total 69 hours of major requirements		3
Hours Subtotal		69
Total Hours		120

Students with AP or CLEP credit must talk to advisors.

One writing-intensive English course is recommended for medical school admission. Students are encouraged to select a course with (D,H) designation such as ENGL 2413 Exploring Literature (DH).

This degree program meets pre-med requirements for Oklahoma medical schools. Consult the admissions requirements for medical schools of choice for additional prerequisites, such as calculus.

This degree program does not meet all the Didactic Program in Dietetics academic course requirements. See the NSCI Major/Dietetics Option sheet for courses to be added.

Other Requirements

- 40 upper-division hours required.
- A 2.50 Major GPA is required. This includes all courses in College/Departmental and Major Requirements.
- A grade of "C" or better is required in all NSCI 3000- and 4000-level courses.
- This degree sheet includes requirements for pre-medical, pre-dental and pre-optometry.
- Transfer Admission Requirement: 2.50 GPA.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to

enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
EDHS 1112 or EDHS 3112	First Year Seminar or Education and Human Sciences First-Year Seminar for Transfer Students	2
NSCI 2114		4
BIOL 1113 & BIOL 1111 or BIOL 1114	Introductory Biology (N) or Introductory Biology (LN)	4
MATH 1513	College Algebra (A)	3
UNIV 2511	Introduction to Health Careers	1
Hours		14
Spring		
CHEM 1314	Chemistry I (LN)	4
MATH 1813	Preparation for Calculus (A)	3
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
3 hours (S) - SOC 1113 recommended		3
3 hours of controlled electives - BIOL 1604 recommended		3
Hours		16
Sophomore		
Fall		
NSCI 3440	Nutritional Sciences Pre-Professional Experience	1
CHEM 1515	Chemistry II (LN)	5
MICR 2123	Introduction to Microbiology	3
STAT 2013	Elementary Statistics (A)	3
ENGL 1213	Composition II	3
Hours		15
Spring		
NSCI 3223	Nutrition Across the Life Span	3
CHEM 3053	Organic Chemistry I	3
PHYS 1114	College Physics I (LN)	4
BIOL 3204	Physiology	4
MICR 2132	Introduction to Microbiology Laboratory	2
Hours		16
Junior		
Fall		
NSCI 3011	Nutrition and Evidence-based Practice I	1
CHEM 3153	Organic Chemistry II	3
CHEM 3112	Organic Chemistry Laboratory	2
PHYS 1214	College Physics II (LN)	4
MICR 3033	Cell and Molecular Biology	3
PSYC 1113	Introductory Psychology (S)	3
Hours		16
Spring		
NSCI 3021	Nutrition and Evidence-based Practice II	1
NSCI 3543	Food and the Human Environment (IS)	3
BIOC 3653	Survey of Biochemistry	3
BIOL 3214	Human Anatomy	4
BIOL 3023	General Genetics	3
UNIV 3511	Health Profession School Preparation	1
Hours		15
Senior		
Fall		
NSCI 4023	Nutrition in the Pathophysiology of Chronic Disease	3
NSCI 4123	Human Nutrition and Metabolism I	3
SPCH 2713	Introduction to Speech Communication (S)	3
3 hours of Humanities/Diversity (H/D)		3

HIST 1103	Survey of American History	3
or HIST 1483	or American History to 1865 (H)	
or HIST 1493	or American History Since 1865 (DH)	
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	Hours	15
Spring		
NSCI 4143	Human Nutrition and Metabolism II	3
NSCI 4021	Nutrition and Evidence-based Practice III	1
3 hours of Humanities (H)		3
HDFS 2113	Lifespan Human Development (S)	3
POLS 1113	American Government	3
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	Hours	13
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	Total Hours	120

Nutritional Sciences: Public Health Nutrition, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
Select one of the following:		3
MATH 1513	College Algebra (A)	
or MATH 1483	Mathematical Functions and Their Uses (A)	
MATH 1613	Trigonometry (A)	
MATH 1813	Preparation for Calculus (A)	
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
CHEM 1215	Chemical Principles I (LN)	4
or CHEM 1314	Chemistry I (LN)	
CHEM 1225	Chemical Principles II (LN)	5
or CHEM 1515	Chemistry II (LN)	
<i>Social & Behavioral Sciences (S)</i>		
SOC 1113	Introductory Sociology (S)	3
<i>Additional General Education</i>		
BIOL 1113	Introductory Biology (N)	4
& BIOL 1111	and Introductory Biology Laboratory (LN)	
or BIOL 1114	Introductory Biology (LN)	
SPCH 2713	Introduction to Speech Communication (S)	3
or SPCH 3723	Business and Professional Communication	
STAT 2013	Elementary Statistics (A)	3
or STAT 2023	Elementary Statistics for Business and Economics (A)	
Hours Subtotal		43

Diversity (D) & International Dimension (I)

May be completed in any part of the degree plan

At least one Diversity (D) course

At least one International Dimension (I) course

College/Departmental Requirements

Human Sciences

EDHS 1112	First Year Seminar	2
or EDHS 3112	Education and Human Sciences First-Year Seminar for Transfer Students	

HDFS 2113	Lifespan Human Development (S)	3
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Nutritional Sciences

NSCI 3011	Nutrition and Evidence-based Practice I	1
NSCI 3021	Nutrition and Evidence-based Practice II	1
NSCI 4021	Nutrition and Evidence-based Practice III	1

Hours Subtotal **8**

Major Requirements

2.50 GPA is required for Major Requirements

NSCI 2013	Principles of Human Nutrition (N)	3
NSCI 2011	Applied Principles of Human Nutrition	1
NSCI 3223	Nutrition Across the Life Span	3
NSCI 3440	Nutritional Sciences Pre-Professional Experience (1 hour)	1

NSCI 3543	Food and the Human Environment (IS)	3
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NSCI 3733	Environmental Nutrition	3
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NSCI 4123	Human Nutrition and Metabolism I	3
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NSCI 4143	Human Nutrition and Metabolism II	3
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NSCI 4632	Community Nutrition I	2
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NSCI 4633	Community Nutrition II	3
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BIOL 3204	Physiology	4
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HLTH 2213	Introduction to Public Health	3
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PSYC 1113	Introductory Psychology (S)	3
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MICR 2123	Introduction to Microbiology	3
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MICR 2132	Introduction to Microbiology Laboratory	2
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Emphasis Requirements

Select an emphasis (p. 1992) 29

Hours Subtotal **69**

Total Hours **120**

Emphasis

Public Health Nutrition (PHN)

Code	Title	Hours
ECON 1113	The Economics of Social Issues (S)	3
NSCI 3312	Nutrition Care Process and Assessment	2
HLTH 3723	Principles of Epidemiology	3
ACCT 2003	Survey of Accounting	3
NSCI 4573	Management in Dietetics	3
or MGMT 3013	Fundamentals of Management (S)	
MKTG 3213	Marketing (S)	3
NSCI 3813	Nutrition Counseling	3
NSCI 4913	Nutritional Epidemiology	3
Controlled Electives		
Choose 6 hours from the following list:		6

AGCM 3103	Written Communications in Agricultural Sciences and Natural Resources
BIOL 3123	Human Heredity (N)
HDFS 2123	Developmental Disabilities: Issues Across the Lifespan (D)
HDFS 3423	Adolescent Development in Family Contexts (S)
HDFS 4543	Intergenerational Relationships (S)
HDFS 4813	Dying, Death and Bereavement
HDFS 4823	Aging Concepts and Controversies
HLTH 3913	Alcohol and Drug Education
MGMT 3313	Human Resource Management
MICR 3103	Microbes: Friends or Foes (N)
NSCI 4133	Nutrition for Exercise and Sport
PHIL 3833	Biomedical Ethics (H)
PHIL 4013	Perspectives on Death and Dying (H)

Public Health Pre-Med

Code	Title	Hours
BIOC 3653	Survey of Biochemistry	3
BIOL 3023	General Genetics	3
BIOL 3214	Human Anatomy	4
CHEM 3053	Organic Chemistry I	3
CHEM 3153	Organic Chemistry II	3
CHEM 3112	Organic Chemistry Laboratory	2
MICR 3033	Cell and Molecular Biology	3
PHYS 1114	College Physics I (LN)	4
PHYS 1214	College Physics II (LN)	4

Note: Care must be taken not to include credit hours twice under different sections of the degree sheet.

Ensure that enough upper-division controlled electives are taken to meet the 40 hour upper-division Regents requirement.

This degree program does not meet all the Didactic Program in Dietetics academic course requirements. See the NSCI Major/Dietetics Option sheet for courses to be added.

Other Requirements

- 40 upper-division hours required.
- A 2.50 Major GPA is required. This includes all courses in College/Departmental and Major Requirements.
- A grade of "C" or better is required in all NSCI 3000- and 4000-level courses.
- Transfer Admission Requirement: 2.50 GPA.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.

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- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

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Course	Title	Hours
Freshman		
Fall		
NSCI 2114		4
EDHS 1112 or EDHS 3112	First Year Seminar or Education and Human Sciences First-Year Seminar for Transfer Students	2
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
MATH 1513 or MATH 1483	College Algebra (A) or Mathematical Functions and Their Uses (A)	3
BIOL 1113 & BIOL 1111 or BIOL 1114	Introductory Biology (N) or Introductory Biology (LN)	4
		Hours
		16
Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
CHEM 1215 or CHEM 1314	Chemical Principles I (LN) or Chemistry I (LN)	4
HLTH 2213	Introduction to Public Health	3
SOC 1113	Introductory Sociology (S)	3
		Hours
		13
Sophomore		
Fall		
NSCI 3733	Environmental Nutrition	3
CHEM 1225 or CHEM 1515	Chemical Principles II (LN) or Chemistry II (LN)	5
PSYC 1113	Introductory Psychology (S)	3
STAT 2013	Elementary Statistics (A)	3
		Hours
		14
Spring		
NSCI 3223	Nutrition Across the Life Span	3
MICR 2123	Introduction to Microbiology	3
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
HDFS 2113	Lifespan Human Development (S)	3
SPCH 2713	Introduction to Speech Communication (S)	3
		Hours
		15
Summer		
NSCI 3440	Nutritional Sciences Pre-Professional Experience ¹	1
		Hours
		1
Junior		
Fall		
NSCI 3312	Nutrition Care Process and Assessment	2

NSCI 3543	Food and the Human Environment (IS)	3
NSCI 3011	Nutrition and Evidence-based Practice I	1
BIOL 3204	Physiology	4
MICR 2132	Introduction to Microbiology Laboratory	2
POLS 1113	American Government	3
Hours		15
Spring		
NSCI 3021	Nutrition and Evidence-based Practice II	1
NSCI 3813	Nutrition Counseling	3
3 hours of Humanities/Diversity		3
HLTH 3723	Principles of Epidemiology	3
ACCT 2003	Survey of Accounting	3
3 hours of controlled elective		3
Hours		16
Senior		
Fall		
NSCI 4123	Human Nutrition and Metabolism I	3
NSCI 4632	Community Nutrition I	2
NSCI 4913	Nutritional Epidemiology	3
MGMT 3013	Fundamentals of Management (S)	3
MKTG 3213	Marketing (S)	3
Hours		14
Spring		
NSCI 4633	Community Nutrition II	3
NSCI 4143	Human Nutrition and Metabolism II	3
NSCI 4021	Nutrition and Evidence-based Practice III	1
ECON 1113	The Economics of Social Issues (S)	3
3 hours of Humanities (H)		3
3 hours of controlled electives		3
Hours		16
Total Hours		120

1

Required at some time during the degree program.

Office of Educator Support

Officers of the Professional Education Council

Shelbie Witte, PhD—Senior Director of Teacher Education
Toni Ivey, PhD—Director of Accreditation and Certification

The Office of Educator Support (OES) coordinates all Professional Education programs offered at Oklahoma State University. All programs are operated in collaboration with the College of Education and Human Sciences, the Ferguson College of Agriculture, the College of Arts and Sciences, and the Graduate College. The Senior Director of Teacher Education is the head of the office. The Professional Education Council has been established as the governance and oversight structure for the Office of Educator Support and all professional education programs. The OES has a mission statement, goals, and a strategic plan that guide the operation of its programs. Oklahoma State University prepares educator candidates with the knowledge, skills, and dispositions for a wide range of certification and teaching areas. Further, there is currently an immense demand for educators in Oklahoma, nationally, and internationally; our graduates are comprehensively prepared to serve as educators and equity advocates wherever they put their professional preparation to work.

Office of Educator Support Mission

Mission - The Office of Educator Support (OES) prepares and develops professional educators who facilitate lifelong learning and enrich the quality of life for people in public schools and other educational settings.

The Work of the Office of Educator Support

All Professional Education programs are administered by the Senior Director of Teacher Education and are coordinated through the Office of Educator Support. Upon the completion of an approved program or degree, passing the appropriate Certification Examinations for Oklahoma Educators (CEOE), and the recommendation of the University, the candidate will be eligible for certification to serve in Oklahoma schools. All candidates completing an approved program or applying for an initial or advanced certificate are subject to all rules and regulations specified by the OSU Office of Educator Support, the Oklahoma State Board of Education, and the Office of Educational Quality and Accountability (OEQA). State-mandated changes in teacher certification may result in additional requirements for certification at any time.

Certification programs are offered at various levels in the College of Education and Human Sciences as well as in the Ferguson College of Agriculture and the College of Arts and Sciences, but all require earning at least a bachelor's degree for a recommendation for a standard certificate. Each candidate (regardless of level or college) seeking a recommendation for certification from OSU through a Professional Education program must make a formal application to do so using the "Application for Admission to Professional Education (<https://tinyurl.com/osuprofedapp/>)" and must meet the admission standards specified. Graduate programs leading to the master's degree, the education specialist degree, and both the Doctor of Education and the Doctor of Philosophy degrees are offered in several areas. In addition, we offer pathways for non-traditional routes to certification in some certification areas. Professional Education at Oklahoma State University

is fully accredited by the state and Council for the Accreditation of Educator Preparation (CAEP - the accrediting body that replaced NCATE).

Information regarding all Professional Education policies and practices may be obtained from the Office of Educator Support or its website. Inquiries concerning any aspect of Professional Education programs at Oklahoma State University should be addressed to the head of the School or Department offering the program or the Office of Educator Support, 325 Willard.

Undergraduate Initial Teaching Certification Programs

Elementary Level (PK-8) Programs

- Early Childhood Education (PK-3)
- Elementary Education (1-8)

Elementary/Secondary Level (PK-12) Programs

- Art Education
- Foreign Language (French, German, Spanish) Education
- Music (Instrumental, Vocal) Education

Secondary Level Programs

- Agriculture Education
- Family and Consumer Sciences Education
- Secondary English Education
- Secondary Mathematics Education
- Secondary Science Education
- Secondary Social Studies Education

Graduate Initial Teaching Certification Programs

Advanced Level Certification Programs

- Elementary Math Specialist
- Principal (Elementary/Middle/Secondary) - Standard
- Reading Specialist
- School Counselor
- School Library Media Specialist
- School Psychologist
- Speech/Language Pathologist
- Superintendent

Non-Traditional Certification Paths

- Principal (Elementary/Middle/Secondary) - Alternative

Professional Education Dispositions

Professional Dispositions are formally assessed a minimum of twice during your academic program, once early during the program and once later in the program (see program coordinator for info on which courses they've identified for this). However, dispositions affect your professional life in and out of school, and we want to be certain you're well-prepared to have a successful tenure as an educator.

With that in mind, dispositions may be addressed and recorded at any point in your program, whether a formal or informal interaction and whether interacting with a peer, staff member, or faculty member. We believe it's vital to celebrate your successes as well as speak with you

about areas that could raise challenges for you as a professional, and this is why we have this guiding document as a starting place to be able to work with you on your professional dispositions.

Dispositional concerns are often a reason candidates are not successful. Please know that if faculty or staff members speak with you about your dispositions, they are doing so because they want you to be successful. As someone in a professional program, however, it is also important to be aware that dispositional challenges may affect your ability to be placed for field experiences or clinical practice; placements are not guaranteed.

Candidates who are not successful will be provided guidance tailored to them, and except in egregious cases or when problems persist over time, candidates who encounter dispositional challenges generally go on to be successful educators. Do not be alarmed at constructive feedback over the course of your program, as this is a learning environment. This assessment offers an opportunity to learn more about your own dispositions and grow in that aspect of your preparation as an education professional. To view the assessment rubric, visit our website: https://education.okstate.edu/sites/default/files/peu/peu_dispositions_assessment.pdf.

Admission to Professional Education

The criteria for admission to Professional Education programs are based on university-wide and Oklahoma State Regents for Higher Education (OSRHE) policies approved by the Professional Education Council and overseen by the Director of Professional Education. Requirements are applicable to all Professional Education administrative units of the colleges preparing educators. Students should submit an Application for Admission to Professional Education form to the Office of Educator Support during their first semester in their respective programs. The candidate is not considered a fully-eligible participant in a Professional Education program until formally admitted by the Office of Educator Support. Full admission is required to enroll in the restricted courses in teaching methods and the clinical practice internship.

Criteria for Admission to Undergraduate Professional Education Programs

The student must meet all of the following criteria to be fully admitted to Professional Education:

1. Requirements for full admission include one of the following:
 - The passing score for the ACT® shall be a composite score of 22 with the writing section included. The passing score for the SAT® shall be a total score of 1120 including the following scores on the essay section: five (5) on Reading, four (4) on Analysis, and five (5) on Writing. The ACT/SAT equivalency approved by PEC vote 07.12.2019 following an OEQA policy change allowing this substitution **or**
 - a minimum GPA of 3.0 or higher on a 4.0 scale in all general education courses (a minimum of 30 hours) as defined in the State Regents' Undergraduate Degree Requirements policy and the Office of Educational Quality and Accountability Administrative Code, Title 218 Chapter 10 **or**
 - a score at or above the level designated by the State Regents for math, reading, and writing on the PRAXIS Core Academic Skills for Educators Test (PRAXIS). Students who score below the Oklahoma State Regents for Higher Education 199 designated level on any section(s) of the PRAXIS test will be permitted to

retest. The PRAXIS test is an acceptable performance measure for students who have completed at least 30 credit hours **or**

- possess a Baccalaureate degree from an institution accredited by an organization recognized by the U.S. Department of Education for the purpose of accrediting institutions of higher education and approved by the Oklahoma State Regents for Higher Education. Baccalaureate degree graduates from universities accredited by an organization recognized by the U.S. Department of Education for the purpose of accrediting institutions of higher education in the United States are assumed to have the basic skill competencies tested by the OGET and PRAXIS. These graduates may be exempt from these testing requirements **or**
 - Successful completion of the Oklahoma General Education Test (OGET)
2. Pass a Professional Education Foundations course with a minimum grade of "C."
 3. Pass a laboratory and clinical experience (observation) course with a minimum grade of "P" or "C."
 4. Earn and retain at least 2.50 (varies by program) grade point average

Criteria for Admission to Graduate (Post-Baccalaureate) Professional Education Programs

Graduate (post-baccalaureate) students must complete the Application for Admission to Professional Education form. Post-baccalaureate candidates must meet one of the following criteria for full admission to Professional Education:

1. The student must have completed an approved Professional Education program and hold a valid Oklahoma certificate or Provisional, Standard, or Professional Certificate; or a valid certificate from a state with which the Oklahoma State Department of Education has an interstate contract. The certificate or Provisional, Standard, or Professional Certificate must have included successful completion of (a) one semester credit hour of early field experiences with a grade of "C" or better or a grade of "P" and (b) an orientation to professional education course with a grade of "C" or better or a grade of "P." If the graduate student does not hold a valid credential and did not successfully complete the criteria listed above, he or she must meet 2 or 3.
2. Students in a Master's program must satisfy the departmental requirements for unqualified admission to the Master's degree program:
 - a. have a minimum cumulative overall GPA of at least 2.50 or higher as specified by the individual program;
 - b. complete one semester credit hour of early field experiences with a grade of "C" or better or a grade of "P"; and
 - c. complete an orientation to Professional Education course with a grade of "C" or better or a grade of "P"; and
 - d. receive a passing score on the OGET *or* an ACT composite score of 22 with the writing section included, *or* an SAT total score of 1120 including the following scores on the essay section: five (5) on Reading, four (4) on Analysis, and five (5) on Writing.
3. Students classified by the Graduate College as "special" or "provisionally admitted" must:
 - a. have a minimum cumulative overall GPA of at least 2.50 or higher as specified by the individual program; and

- b. complete one semester credit hour of early field experiences and an orientation to Professional Education course with a grade of "C" or better or a grade of "F" and
- c. receive a passing score on the OGET or an ACT composite score of 22 with the writing section included, or an SAT total score of 1120 including the following scores on the essay section: five (5) on Reading, four (4) on Analysis, and five (5) on Writing.

and OES staff are available to assist candidates through remediation opportunities as needed.

Foreign Language Proficiency

Candidates who matriculate Fall 2023 or later must pass CIED 4133 Introduction to K12 ELL Education with a "C" or better. This will be required across all initial certification programs. At this point, the below options will no longer be accepted.

Prior to Fall 2023, according to OSHRE 3.21.4, (2021) teacher preparation programs at the preservice level shall require students to meet one of two criteria addressing foreign language or Emergent Bilingual / English Learning in P-12 schools:

1. Teacher candidates demonstrate listening and speaking skills at the novice-high level, as defined by the American Council on the Teaching of Foreign Languages, for a language other than English, including American Sign Language. The assessment for such competency may occur at any point in the teacher candidate's program and does not require specified course work or credit hours except as may be required by the institution.
2. Teacher candidates demonstrate the knowledge and skills necessary to address the needs of Emergent Bilingual (English Learner) students in the P-12 classroom and are proficient in the strategies required for the successful delivery of P-12 instruction in that area. The assessment for such competency may occur at any point in the teacher candidate's program through specified course work, approved by the Office of Educational Quality and Accountability (OEQA), and as may be required by the institution.

Program Completers

In Oklahoma, a program completer is defined as a person who has met all the requirements of an accredited educator preparation program. Program completers include all those who are documented as having met such requirements. OSU requirements include a degree, program credentials as documented on a transcript and written proof of having met the program's requirements which include successful completion of all certification examinations/assessments and a professional portfolio. State or national certification or accreditation requirements may necessitate changes in certification requirements at any time. The certification check sheets are available at <https://education.okstate.edu/departments-programs/stles/peu/certification.html> and detail requirements for each certification area.

Background Check for Field Placements

In alignment with Oklahoma state statutes and administrative code (OS §70-6-190, OS §70-3-104, OAC 210:20-9-98), the Oklahoma State University (OSU) Office of Educator Support (OES) requires a state-level background check (name check) on ALL non-certified candidates prior to placement in any field experience or clinical practice. The candidate is responsible for associated fees, which may vary depending on in-state or out-of-state student status. The OES may request an updated background check as needed. While we make every effort to place candidates in the best possible field experience or clinical practice situation, school districts do review background checks and past criminal history in terms of their own policies and may decline hosting a particular candidate for field experiences or clinical practice. (In most cases this would be an Oklahoma check, however, in the case of an out-of-state transfer student it could be a check from their originating state.) This process is facilitated by the Office of Educator Support (325 Willard).

Professional Portfolio

Candidates in Professional Education are required to submit a professional portfolio for review and approval at designated checkpoints prior to certification. Details of the portfolio are available in the Professional Education Student Handbook (<https://education.okstate.edu/departments-programs/office-of-educator-support/student-handbook/>).

Transfer Students

Transfer students must work toward meeting the criteria for full admission to Professional Education established by Oklahoma State University as soon as possible during the first semester at OSU. It may be possible to transfer admission from another Oklahoma institution. For more information, see the Office of Educator Support website (<https://education.okstate.edu/departments-programs/office-of-educator-support/student-handbook/>).

Retention in Professional Education

For participation in all courses requiring full admission to and for continued acceptability in Professional Education, an undergraduate candidate must maintain a grade-point average required for graduation of at least 2.50 or 2.75 depending on the program. If this GPA falls below 2.50/2.75, the candidate is placed on probation. When the required graduation GPA is raised above 2.50/2.75, the candidate is removed from probation. If the candidate fails to meet the graduation GPA requirement in that probationary semester or fails to have at least a 2.50/2.75 GPA for that semester, the candidate will be suspended from the Office of Educator Support. A candidate not satisfying the probation requirements at the end of the semester following the initial probationary semester will be administratively withdrawn from the Office of Educator Support and all courses having full admission as a prerequisite. Readmission to the Office of Educator Support will require a new application. Advisors are available to assist the candidate in regularly reviewing continuing retention or reinstatement in Professional Education programs. A retention review prior to enrollment and again prior to the beginning of classes each semester is encouraged when continuing retention is in question.

Graduate students, including those classified as graduate special students, admitted to the Office of Educator Support must meet and maintain the requirements of the Graduate College to remain in good academic standing. This will require that graduate candidates earn and maintain a 3.00 GPA at Oklahoma State University following admission to OES.

Remediation Opportunities

It is important for candidates to recognize the importance of milestones (admission requirements, testing, portfolio, etc.), professionalism, and dispositions as non-negotiable requirements in Oklahoma State Statutes and national accreditation requirements. Program area faculty, advisors,

Field Experiences/Clinical Practice Placement in Diverse Setting

As part of a land-grant institution, we are particularly proud of partnering with Oklahoma public schools. Candidates will experience diverse placements in a variety of settings (rural, urban, and suburban), in varied school community socio-economics, and in racially and ethnically diverse school communities. Previous clinical/field experiences will be considered when determining the internship placement.

Data on all field experience and clinical practice placements is maintained by the Office of Educator Support and Assistant Director of Assessment. Initial and Advanced certification programs work directly with the Coordinator of Field Experiences and Clinical Practice to best serve candidates and our partnering school districts with research-based experiences. Placements are based on the following criteria:

1. OSU must have a contractual agreement with the participating school district,
2. the principal and the mentor teacher/educator must be in agreement about the placement,
3. the mentor teacher/educator must meet established criteria to work with a candidate,
4. a qualified OSU supervisor must be available for travel to that site, and
5. a program faculty recommendation for clinical practice is required (based on academics, field experiences, and dispositions).

Clinical Practice Requirements

In order to participate in clinical practice, all teacher candidates must complete the Clinical Practice Internship Application during the prior semester. Clinical practice information including the Clinical Practice Application link is available in the OES Student Handbook. Details and the deadline for the clinical practice application will be provided at the mandatory Intent to Student Teach meeting held each semester. Typically, these are the first Wednesday of September at 5pm (for Spring interns) and the first Wednesday of February at 5pm (for Fall interns); location and any schedule changes will be provided by email.

Candidates must successfully complete submissions 1 and 2 of the portfolio, pass the OGET and have received a score on the OSAT, and complete all required coursework with the specified GPAs before a placement will be sought. Candidates will be notified by e-mail of their placements after the Professional Education staff has received confirmation from the cooperating schools.

Candidates should not meet with teachers or principals or otherwise attempt to establish their own placement. The following guidelines should be considered when listing your placement preferences in the space provided on the application:

- **Public Schools:** All internships occur in public schools.
- **Placement Settings:** Candidates are placed in a variety of settings (rural, urban, and suburban), in a variety of school community socio-economics, and in racially and ethnically diverse school communities. Previous clinical/field experiences will be considered when determining the internship placement.
- **Professional Experiences:** Candidates will be placed in a location where professional experiences can develop. You will not be placed in a school where your children attend, a relative is employed, or you

have developed personal relationships. In addition, candidates will likely not be placed in a school system they attended.

- **Finances:** Finances cannot be considered when determining the internship placement.
- **Out of Area/State Placements:** Out-of-area/out-of-state placements are rare and only granted in extenuating circumstances. To request an out-of-area/out-of/state placement, refer to the policy on the OSU Professional Education website. Note that the intern must appeal to the Field Experiences Committee for consideration, and, if granted, the intern bears all financial responsibility associated with placement, travel to on-campus meetings, and supervision and fees charged by a cooperating institution. Some programs facilitate international student teaching; check with your program for details.

NOTE: Check with your program area for information about any additional placement requirements for your certification area prior to completing your application.

Criteria for clinical practice placement for all Professional Education candidates:

1. Continued full admission to a program in the Professional Education unit (see "Retention in Professional Education" on the previous page);
2. A current overall grade-point average of at least 2.50 or higher as specified by the program;
3. A grade-point average of at least 2.50 or higher as specified by the program in courses listed on the current approved program for certification in the areas of professional core, major and college/departmental requirements. No grade lower than a "C" or a "P" in either of these areas;
4. Completion of all professional education course work that includes at least one course in social foundations, all early field experiences (60 clock hours minimum in diverse settings), exceptional learners, and human growth and development, with no grade lower than "C" or "P" in any of these courses. It is recommended that all professional sequence coursework be completed.
5. Successful completion of submission I and II requirements for the Professional Education Program portfolio. The exact submission dates for portfolio are set by the Office of Educator Support in collaboration with programs. Portfolios should contain the materials listed in the Portfolio Handbook (<https://education.okstate.edu/departments-programs/stles/peu/portfolio.html>) for the pre-internship submission and any additional items required by a specific program.
6. Must have taken and received a score on the appropriate subject area test (OSAT) for certification.
7. Must be recommended for clinical practice by program faculty.

Required Grades in Clinical Practice

A candidate must receive grades of "P" in all sections of clinical practice in order to be recommended for a teaching certificate. A candidate assigned a grade of "F" in any section of clinical practice will not qualify for a recommendation for any level of certification.

Placements in clinical practice are made based on program faculty recommendation, availability of a qualified cooperating teacher, school district and site preferences, availability of a university supervisor, and candidate request. Candidates do not contact schools to secure their own placements. Candidates will not be placed in a school where a relative(s) attends or is employed or where the candidate has developed personal relationships with teachers or administration. In addition,

ways to navigate these life/work demands *and* have a highly successful internship experience.

Appeals

By enrolling in Professional Education programs at Oklahoma State University, students accept the responsibility for complying with all applicable Professional Education Council policies and procedures that allow them to maintain good academic standing. If the student believes that the established policies of the Professional Education Council have not been fairly or consistently followed, he/she has the right to pursue an appeal.

Certification Examinations/Assessments for Oklahoma Educators

All candidates who graduate or are seeking recommendation for certification from a Professional Education program are required to complete the Certification Examinations for Oklahoma Educators before a license or area of certification can be issued. The examinations, which include a general education test, subject area tests, and a professional teaching exam (OGET, OSAT), are administered by the Evaluation Systems, Pearson for the Office of Educational Quality and Accountability. Registration materials are available online at www.ceoe.nesinc.com (<http://www.ceoe.nesinc.com>). Information on the Praxis Performance Assessment for Teachers (PPAT) is available here <https://www.ets.org/ppat.html>; candidates should take care that they do *not* register for the PPAT prior to their final internship semester, however.

Copies of the test competencies and study guides for the Oklahoma Teacher Certification Testing Program are available on the Pearson Education, Inc., website at www.ceoe.nesinc.com (<http://www.ceoe.nesinc.com>) and for the PPAT at <https://www.ets.org/ppa/test-takers/teachers/prepare> (<https://www.ets.org/ppa/test-takers/teachers/prepare/>).

Teacher candidates must successfully complete the OGET [*or* an ACT composite score of 22 with the writing section included, *or* an SAT total score of 1120 including the following scores on the essay section: five (5) on Reading, four (4) on Analysis, and five (5) on Writing] prior to admission to Professional Education; receive a score on the OSAT prior to student teaching placement, and pass the PPAT (during the final internship semester) prior to a certification. Note: If the OSAT was not passed prior to internship, it must also be passed prior to certification.

Recommendations for Certificate, or Additional Certification Areas

Application information for an Oklahoma certificate can be obtained in the Office of Professional Education, 325 Willard. Candidates seeking advisement concerning teacher certificates can be assisted by a Coordinator in the Office of Professional Education.

Effective May 31, 2001, Title 68 O.S. 238.1 requires all certificate holders be in compliance with Oklahoma state income tax laws before a teaching certificate can be obtained or renewed.

Effective November 1, 2001, Oklahoma Statute 70 O.S. 6-190 requires applicants for initial Oklahoma teacher certification to have a full federal fingerprint-based background clearance.

To receive Oklahoma State University's in-state or out-of-state certification "Recommendation" or "Verification" of program completion, the applicant must:

- be admitted and maintain admission to OSU's Office of Educator Support;
- complete the appropriate level of degree;
- meet the Foreign Language Proficiency Requirement;
- meet the Computer Proficiency Requirement;
- complete the required courses with the required grades and grade-point averages;
- have confirmation of the final clearance of all three portfolio submissions;
- pass the required Certification Examinations for Oklahoma Educators for Oklahoma certification and Praxis Performance Assessment for Teachers; and
- successfully complete all other required assessments such as the legal issues quiz and the trauma-informed pedagogy quiz, and
- complete the state's application for certification.

Unless the applicant has successfully completed all of the above, Oklahoma State University will not make a recommendation or verify program completion for an in-state or out-of-state certificate.

A candidate assigned the grade of "F" in any section of clinical practice will not qualify for a recommendation for a license or any level of certification. Requirements for certification and degrees are not necessarily the same thing. Candidates must meet all other certification requirements, including portfolio and foreign language proficiency if appropriate.

School of Community Health Sciences, Counseling and Counseling Psychology

Dr. Tonya R. Hammer—School Head

The School of Community Health Sciences, Counseling and Counseling Psychology encompasses undergraduate and graduate academic programs in public health, health education and promotion, mental health counseling, counseling psychology, school counseling and nursing. The School seeks to fulfill the traditional functions of teaching, research, outreach and public service that are consistent with the mission of Oklahoma State University. The mission is to foster the development, integration and application of knowledge, theory, skills and experiences to promote social, physical, psychological, educational and environmental health. Consistent with the goals of the University's Professional Education Council's Core Concepts and Goals Statement, faculty strives to demonstrate and perpetuate teaching based on theory and research-driven educational practices.

Course Prefixes

Courses that support counseling and counseling psychology are listed in the Catalog under the CPSY prefix. Courses in public health and health education and promotion are listed under the HLTH prefix. Courses in nursing are listed under the NURS prefix.

Health

Marshan Oliver-Marick, DrPH—Teaching Assistant Professor and Interim Program Coordinator

The public health program prepares students to provide preventive services in a community, corporate, or clinical setting. Students can choose between two program options: (1) Exercise and Health; or (2) Community Health. Students culminate their degree requirements with a semester-long internship during their final semester. Upon completion of their undergraduate degree, many students continue graduate study in academic fields like Public Health, Physical Therapy, Athletic Training, Exercise Science, or Medicine. This degree track also prepares students for credentialing opportunities such as the Certified Health Education Specialist (CHES) exam and certifications offered through the American College of Sports Medicine (ACSM).

BSN Nursing

Alana Cluck, PhD, RN—Assistant Professor and Director

The four-year BSN prepares nurses to work in acute care facilities as well as community settings such as schools, health departments or home health. BSN graduates are prepared to pursue advanced practice degrees to become nurse practitioners, nurse anesthetists and clinical nurse leaders.

The RN to BSN program is an online baccalaureate degree program designed for individuals who have obtained Registered Nurse licensure and have successfully completed either an accredited associate's degree or diploma program. The program is designed for working adult learners and focuses on health and wellness.

Counseling and Counseling Psychology

Valerie McGaha, PhD—Associate Professor and Area Coordinator

The counseling and counseling psychology program areas offer graduate programs in mental health counseling and school counseling leading to the MS degree in counseling as well as a PhD degree in counseling psychology.

Programs/Areas of Emphasis Degrees

Degrees offered through the School of Community Health Sciences, Counseling and Counseling Psychology programs include Bachelor of Science (BS), Master of Science (MS) and Doctor of Philosophy (PhD).

Counseling/Counseling Psychology

- Mental Health Counseling - MS
- School Counseling - MS
- Counseling Psychology - PhD

Community Health Sciences

- Nursing - BSN
- Nursing - RN to BSN
- Public Health - BS
- Community Health Sciences - PhD

Health and Human Performance

- Health Education and Promotion - MS

Courses

CPSY 1113 Career: Journey of A Lifetime

Description: Assists students in exploring career options through increased understanding of self and expanded knowledge of occupational information. Includes a study of the decision-making process and a look at the present and future changing world of work. Previously offered as CPSY 1112 and ABSE 1112.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 3003 Introduction to Counseling and Related Professions

Description: Professions related to counseling such as career counseling, community mental health counseling, school counseling, and substance abuse counseling are examined. Students will also learn about diversity and legal and ethical issues within counseling professions.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 3013 Introduction to Helping Skills

Prerequisites: Upper division standing and successful completion of CPSY 3003.

Description: This course serves as a general overview of applied helping skills for those who are considering the counseling profession or related professions as a career. Students will learn major counseling theories and will practice basic helping skills. Instructional methods will include lecture, small-group interaction, discussion, and role plays.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 3023 Mental Health in Schools and the Community

Description: An introduction to mental health issues in school and community settings for education or other helping profession majors. Students will learn about topics such as signs of depression; substance abuse; anxiety, including test anxiety; crisis prevention and response; suicidality and violence in schools; bullying; domestic violence; and cyber-citizenship.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 3320 Seminar in Counseling Psychology

Description: In-depth exploration of contemporary topics in counseling psychology. Offered for variable credit, 1-9 credit hours, maximum of 9 credit hours.

Credit hours: 1-9

Contact hours: Contact: 1-9 Other: 1-9

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

CPSY 4013 Field Experience in Counseling

Prerequisites: CPSY 3003 and CPSY 3013.

Description: A senior capstone/field experience for students considering graduate work in counseling psychology, school counseling, community counseling, or a counseling-related profession. The field experience provides students with the opportunity to apply the skills, knowledge, and techniques in an applied setting. Students can expect to gain an understanding of the philosophy, organization, and tasks of their field site to assist in guiding their decision for a future career path.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 4443 Cultural Diversity in Professional Life (D)

Description: Knowledge, awareness and skills regarding cultural diversity in one's professional life. Previously offered as EDUC 4443.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

General Education and other Course Attributes: Diversity

CPSY 5000 Master's Thesis

Description: Consent of advisory committee chairperson. Report of research conducted by a student in the master's program in counseling. Credit given and grade assigned upon completion and acceptance of the thesis. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

CPSY 5173 Gerontological Counseling

Description: An examination of mental health treatment modalities and approaches to counseling with older adults. An experiential component is included. Previously offered as ABSE 5173.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5320 Seminar in Counseling Psychology

Description: Graduate standing. In-depth exploration of contemporary topics in counseling psychology. Offered for variable credit, 3-9 credit hours, maximum of 9 credit hours.

Credit hours: 3-9

Contact hours: Contact: 3-9 Other: 3-9

Levels: Graduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

CPSY 5323 Relational Cultural Theory

Description: The goal of this course is to gain an understanding of the theoretical foundation of the Relational Cultural Model of psychotherapy.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5413 Child and Adolescent Counseling

Description: Counseling theories and techniques for working with children, adolescents, and their parents in individual and group counseling and consulting. Laboratory portion translates theory to practice.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5453 Vocational and Career Information

Description: Local, state and national sources of occupational information about jobs and sociological factors related to career planning and worker effectiveness. Previously offered as ABSE 5453.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5473 Basic Counseling Skills

Prerequisites: Graduate standing.

Description: Basic attending and relationship building skills needed to develop an effective therapeutic relationship, establish counseling goals, and evaluate client outcomes. Previously offered as ABSE 5473.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5483 Mental Health Counseling

Description: Base of knowledge about the counseling profession, its history, philosophy, and identity. The roles and responsibilities of the professional counselor as therapist and advocate in working competently with culturally diverse populations in a socially and culturally diverse society.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5493 Professional and Ethical Issues in Counseling

Prerequisites: Admission to community counseling, elementary or secondary school counseling graduate program or consent of instructor.

Description: Principles and issues of professionalism and ethics. Seminar format with special emphasis on student's thorough preparation for, and active participation in, class discussions.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5503 Multicultural Counseling

Description: Emphasis on effective communication skills in cross-cultural counseling or helping relationships and the integration of theoretical knowledge with experiential learning. Psycho-social factors, life styles, etc. of various cultural and ethnic groups and their influence on the helping relationship. Previously offered as ABSE 5503.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5513 Comprehensive School Counseling Programs

Description: Foundations of school counseling focusing on the knowledge and skills required to develop, implement, coordinate, and manage a comprehensive, developmental school counseling program.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5523 Assessment in Counseling

Description: An introductory study of the psychological assessments most widely used in the fields of school and clinical counseling. Previously offered as ABSE 5520.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5533 Foundations of Play Therapy

Prerequisites: CPSY 5473.

Description: Overview of essential play therapy elements and principles, including history, theories and techniques, and modalities. Emphasis on observation and application of play therapy skills and techniques.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5543 Career Development Theories

Description: Historical and contemporary viewpoints advanced by Ginsberg, Super, Holland, Roe, etc. Counselors are assisted in developing the theoretical and applied basis for developing school-based career education programs and for assisting individuals in career planning. Previously offered as ABSE 5543.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5553 Theories of Counseling

Description: Exploration of the foundations of major individual counseling theoretical approaches with opportunities for personal reflection and application. Previously offered as ABSE 5553.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5563 Conceptualization and Diagnosis in Counseling

Description: Conceptualization and diagnosis through a study of principles of understanding dysfunction in human behavior or social disorganization and provides an in-depth knowledge of use of the DSM classification system.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5583 Group Process

Description: Group dynamics, theory and techniques applicable to working with people of all ages in various school and non-school settings. Group member competencies are stressed during the laboratory period. Previously offered as ABSE 5583.

Credit hours: 3

Contact hours: Lecture: 2 Contact: 3 Other: 1

Levels: Graduate

Schedule types: Independent Study, Lecture, Combined lecture & IS

Department/School: Health Sci, Couns, Couns Psych

CPSY 5593 Counseling Practicum

Prerequisites: Grade of "B" or better in CPSY 5473 and CPSY 5553; admission to program or instructor consent.

Description: Supervised experience in human interaction processes of counseling and consulting with the major goal of facilitating positive growth processes through individual supervision. May be conducted in a variety of settings with a wide range of developmental levels. Previously offered as ABSE 5590.

Credit hours: 3

Contact hours: Contact: 3 Other: 3

Levels: Graduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

CPSY 5663 Counseling And Sexuality

Prerequisites: Permission of instructor.

Description: Current trends in counseling clients with sexual problems, as well as clients with varying sexual orientations and identities.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5673 Substance Abuse Counseling

Prerequisites: Permission of instructor.

Description: Current therapeutic trends, strategies, and modalities used in the treatment of addictions, as well as relapse prevention strategies and treatment of special populations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5683 Internship In Counseling I

Prerequisites: Grade of "B" or better in CPSY 5593 and admission to counseling program.

Description: Supervised experience working and studying in a counseling agency or setting.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5693 Internship In Counseling II

Prerequisites: Grade of "B" or better in CPSY 5683 and admission to counseling program.

Description: Supervised experience working and studying in a counseling agency or setting.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5720 Workshop

Description: Professional workshops on various topics. Designed to meet unique or special needs of professionals in various mental health fields. Offered for variable credit, 1-9 credit hours, maximum of 9 credit hours.

Credit hours: 1-9

Contact hours: Lecture: 1-9 Contact: 1-9

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5773 Substance Abuse Counseling Theories

Description: Introduction to contemporary theories of addiction for advanced counseling, counseling psychology and related professional graduate students and for practicing mental health professionals.

Content includes multicultural case studies utilizing motivational interviewing, moral theory, developmental theory, cognitive behavioral theories, attachment theory, and sociological theory. The focus is understanding theories related to addiction and relapse prevention.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5783 Substance Abuse Psychopharmacology

Description: This course covers the major areas of psychopharmacology, including the basic principles of pharmacology, neuroanatomy and neurotransmitter systems, and the properties, actions, and effects of different types of drugs. Students will learn how drugs alter psychological processes.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 5793 Substance Abuse Counseling Internship

Description: A 300-hour field experience allows students to develop specific skills and knowledge surrounding the practice of substance abuse counseling under the direction of a clinical supervisor. Students will be able to apply learning theory and techniques in counseling situations; develop case management and resource allocation skills; determine appropriate assessments of clients; network with supervisors, colleagues, and professionals from a variety of agencies.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 6000 Doctoral Dissertation

Prerequisites: Consent of advisory committee chairperson.

Description: Report of research conducted by a student in the doctoral program in counseling psychology. Credit given and grade assigned upon completion and acceptance of the doctoral dissertation. Offered for variable credit, 1-9 credit hours, maximum of 25 credit hours.

Credit hours: 1-9

Contact hours: Contact: 1-9 Other: 1-9

Levels: Graduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

CPSY 6053 Ethical and Legal Issues in Professional Psychology

Prerequisites: Consent of instructor.

Description: Ethical and legal standards applied to the professional practice of psychology. Previously offered as CPSY 6503.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 6083 Principles of Counseling Psychology

Prerequisites: Admission to the doctoral program in counseling psychology.

Description: Development, theoretical foundations and applications of therapeutic models of counseling and psychology. Previously offered as ABSE 6083.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 6123 Adult Personality Assessment

Prerequisites: Admission to counseling, school, or clinical psychology program.

Description: Administration and interpretation of adult personality assessment instruments such as Rorschach, TAT and DAP. Previously offered as ABSE 6213.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 6153 Personality Theories

Prerequisites: Graduate standing.

Description: An in-depth analysis of personality theories and personality disorders. Previously offered as ABSE 6153.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 6223 Beck's Cognitive Therapy

Prerequisites: Graduate standing in counseling, counseling psychology, school psychology, or clinical psychology; or consent of instructor.

Description: The theory and practice of Aaron T. Beck's cognitive therapy approach. Cognitive restructuring, problem-solving, imagery work, and cognitive case conceptualization skills to help clients with a variety of presenting problems.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 6310 Advanced Practicum and Supervision

Prerequisites: Admission to counseling psychology program.

Description: For prospective counseling psychologists, counselor educators and supervisors, and practicing counselors. Supervised assistance in development of counseling, consulting, and supervising competencies. Previously offered as ABSE 6310. Offered for variable credit, 3-12 credit hours, maximum of 12 credit hours.

Credit hours: 3-12

Contact hours: Contact: 3-12 Other: 3-12

Levels: Graduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

CPSY 6313 Advanced Group Interventions

Prerequisites: Admission to counseling psychology program or consent of instructor.

Description: Discussion and exploration of various aspects of group development and treatment. Theory and application of theory. Various factors associated with group psychotherapy cohesion, dynamics and screening. Course previously offered as ABSE 6313.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 6323 Psychological Consultation

Prerequisites: Admission to graduate program in the SAHEP or psychology program.

Description: Models and strategies for the delivery of special services in the schools and other agencies that focus on serving the mental health needs of children, adolescents and adults. The use of consultation as a problem-solving alternative to the assessment/label approach. Students can receive credit in only one of the courses. Same course as EPSY 6323.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 6413 Counseling Psychology Practicum I

Prerequisites: Admission to the doctoral program in counseling psychology.

Description: For prospective counseling psychologists. Individual and group supervision and didactic experiences to facilitate the development of counseling psychology competencies with clients at practicum sites. Establishing therapeutic conditions conducive to growth and change.

Credit hours: 3

Contact hours: Contact: 3 Other: 3

Levels: Graduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

CPSY 6423 Counseling Psychology Practicum II

Prerequisites: Grade of "B" or better in CPSY 6413.

Description: For prospective counseling psychologists. Individual and group supervision and didactic experiences to facilitate the development of counseling psychology competencies with clients at practicum sites. Integrating theory and research into the practice of counseling psychology.

Credit hours: 3

Contact hours: Contact: 3 Other: 3

Levels: Graduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

CPSY 6433 Counseling Psychology Practicum III

Prerequisites: Grade of "B" or better in CPSY 6423.

Description: For prospective counseling psychologists. Individual and group supervision and didactic experiences to facilitate the development of counseling psychology competencies with clients at practicum sites. Integrating theory and psychological assessment skills into the practice of counseling psychology.

Credit hours: 3

Contact hours: Contact: 3 Other: 3

Levels: Graduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

CPSY 6443 Counseling Psychology Practicum IV

Prerequisites: Grade of "B" or better in CPSY 6433.

Description: For prospective counseling psychologists. Individual and group supervision and didactic experiences to facilitate the development of counseling psychology competencies with clients at practicum sites. Building integrating consultation skills into the practice of counseling psychology.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 6543 Clinical Supervision

Prerequisites: Admission to clinical, counseling or school psychology doctoral program, or consent of instructor.

Description: Building the doctoral psychology student's knowledge base in theory and research of clinical supervision in psychology, and development and refinement of the student's supervision skills. Current theory and research in supervision, including a practical component.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 6553 Advanced Practice in Marital and Family Treatment

Prerequisites: Admission to counseling, school or clinical psychology program.

Description: Advanced methods in assessment, diagnosis, and treatment of marital and family problems. Skill development, professionalism, ethics and case management. Dynamics of co-therapy and conjoint treatment. Case consultation format. Course previously offered as ABSE 6553.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

CPSY 6560 Advanced Internship in Counseling

Description: Admission to the doctoral program in psychology. Designed to facilitate counseling effectiveness and to set the stage for a productive life of professional practice. Previously offered as ABSE 6560. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

CPSY 6850 Directed Reading

Description: Directed reading for students with advanced graduate standing. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

HLTH 2213 Introduction to Public Health

Description: Introduction to the field of public health focusing on health principles, theories, career opportunities and a field experience. Previously offered as HHP 2213.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 2323 Drugs and Society

Description: Impact of recreational use of drugs on society. Topics will include stimulant, depressant, and hallucinogenic recreational drugs, ergogenic substances and current research regarding addiction. Particular focus will be given to current trends of substance use and abuse. Cannot be substituted for HLTH 3913. Previously offered as HHP 2323.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 2603 Total Wellness (S)

Description: Overview of individual, interpersonal, and sociocultural issues that have an impact on health. Behavioral decision-making, social relations, cultural diversity and environmental sensitivity. Previously offered as HHP 2603.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

General Education and other Course Attributes: Social & Behavioral Sciences

HLTH 3010 Health Workshop

Description: Concentrated study of special topic(s) related to health not currently covered in the available undergraduate curriculum. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

HLTH 3113 Health Issues in Diverse Populations (D)

Description: The purpose of the course is to introduce concepts of health disparities, and equity for diverse populations across a range of health topics. The course will also introduce the students to community based solutions to health issues for diverse populations in an effort to promote inclusivity.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

General Education and other Course Attributes: Diversity

HLTH 3201 Health in Special Populations (D)

Description: Exploration and analysis of the influence of variables like race, ethnicity, gender, sexual orientation, and/or disability on various health outcomes.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

General Education and other Course Attributes: Diversity

HLTH 3211 International Comparative Health (I)

Description: Global comparisons of disease, immunity and infection. Includes an exploration of the complex interaction between geopolitical systems, resource access, conflict zones, inequality and health from an international perspective.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

General Education and other Course Attributes: International Dimension

HLTH 3343 Public Health Policy

Description: Public health policy from a health in all policies perspective and a systems-thinking framework for understanding the social and political aspects in the United States. Systematic thinking about state and national public health policy and developing skills for policy health advocacy. Focus on key features of the current U.S. health care and political system, and political and socio-economic concepts central to health policy debates. Will provide students with practice in critically evaluating pressing public health policy problems. Previously offered as HLTH 3351.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 3511 Peer Health Education I

Prerequisites: Approval of instructor.

Description: Comprehensive analysis and application of the theory and practice of peer education principles, designed to educate and provide experiences in preparation for planning and/or participation in integral university or community peer education programs.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 3512 Peer Health Education II

Prerequisites: Successful completion of HHP 3511 and approval of instructor.

Description: Comprehensive analysis and application of the theory and practice of peer education principles, designed to education and provide experiences in preparation for planning and/or participation in integral university or community peer education programs.

Credit hours: 2

Contact hours: Contact: 2 Other: 2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

HLTH 3603 Understanding HIV (DS)

Description: Examines the HIV global epidemic from historical, political, epidemiological, biological, medical, psychological, legal, and ethical perspectives. Previously offered as HHP 3603.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

General Education and other Course Attributes: Diversity, Social & Behavioral Sciences

HLTH 3613 Community Health

Description: A survey of issues impacting the health of populations from a community health perspective. Previously offered as HHP 3613.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 3623 School Health Programs

Prerequisites: HLTH 2603.

Description: The identity and relationships of school health instruction, services and environments. Previously offered as HHP 3623.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 3643 Health Behavior Theory

Description: Survey of biopsychosocial behavioral models to determine basis for health risk behaviors, with emphasis on determinants of health/ risk behavior and exploring health behavior theories across age, sex, ethnicity, culture and socio-economic status. Same course as HHP 4503. Previously offered as HHP 3643.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 3723 Principles of Epidemiology

Description: Survey of epidemiological principles as they relate to the planning of both community and consumer-focused health promotion and disease prevention programs. Same course as HHP 4633. Previously offered as HHP 3723.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 3913 Alcohol and Drug Education

Description: Introduction to the field of health education and health promotion focusing on health principles, theories, career opportunities, and a field experience. Same course as HHP 4033. Previously offered as HHP 3913.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 4010 Directed Study in Health

Description: Course is an independent study of health issues and trends through readings, research, and/or analysis. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

HLTH 4233 Health and Sexuality (DS)

Description: The study of human sexuality as it relates to the health and well-being of individuals in the community, college, school or worksite settings. Previously offered as HHP 4233.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

General Education and other Course Attributes: Diversity, Social & Behavioral Sciences

HLTH 4533 Psychosocial Issues in Public Health

Description: Psychosocial issues as they relate to the practice of public health. Personal and professional applications of the course material will be emphasized. Previously offered as HHP 4533.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 4770 Internship in Public Health: Exercise and Health (Athletic Training)

Prerequisites: Last semester; and Senior standing with cumulative 2.75 GPA; current CPR and First Aid Certification.

Description: Supervised field work experience in public health or health-related settings for students going in to the Master of Athletic Training 3/2 Program. Offered on a pass/fail basis. Offered for variable credit, 1-12 credit hours, maximum of 12 credit hours.

Credit hours: 1-12

Contact hours: Contact: 1-12 Other: 1-12

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

HLTH 4783 Health Issues in Gerontology

Description: An in-depth study of physiological aspects, special health concerns, chronic illnesses and services as applied to gerontology. Previously offered as HHP 4783.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 4880 Internship in Public Health: Public Health

Prerequisites: Last semester and Senior standing with cumulative GPA 2.75 and current CPR and First Aid Certification.

Description: Supervised field work experience in public health or health-related settings for students in the Public Health option. Previously offered as HHP 4880. Offered on a pass/fail basis. Offered for variable credit, 1-12 credit hours, maximum of 12 credit hours.

Credit hours: 1-12

Contact hours: Contact: 1-12 Other: 1-12

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

HLTH 4902 Pre-Internship Seminar

Prerequisites: Last semester prior to internship and consent of instructor.

Description: Capstone course for the public health program. Preparation for the health internship experience. Previously offered as HHP 4902.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 4973 Program Design in Public Health

Description: A survey of program design principles, including theoretical foundations, planning, marketing, delivering and evaluating. Previously offered as HHP 4973.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 4990 Internship in Public Health: Exercise and Health

Prerequisites: Last semester and senior standing with cumulative GPA 2.75 and current CPR and First Aid Certification.

Description: Supervised field work experience in public health or health-related settings for students in the Exercise and Health option. Previously offered as HHP 4990. Offered for variable credit, 1-12 credit hours, maximum of 12 credit hours.

Credit hours: 1-12

Contact hours: Contact: 1-12 Other: 1-12

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

HLTH 5000 Thesis Research

Description: Independent research required of candidates for master's degree. Credit awarded upon completion of thesis. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

HLTH 5010 Health Promotion Seminar

Description: Selected topics from the health promotion profession not covered in other courses. Presentation and critique of research proposals and results. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

HLTH 5020 Health Promotion Workshop

Description: Workshop in selected areas of health promotion. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

HLTH 5030 Field Experiences in Health Promotion

Description: Individual investigations and analysis of issues in health promotion. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

HLTH 5113 Psychological Aspects of Health

Description: Examination of the interactions of biological, psychological, social, and spiritual factors as they impact human health and disease. Previously offered as HHP 5113.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 5133 Environmental Health

Description: Examination of health issues, etiology of disease, and control and prevention of major environmental health problems in industrialized and developing countries. Same course as MPH 5133. Previously offered as HHP 5133.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 5233 Sexuality and Health

Description: The study of human sexuality as it relates to the health and well-being of individuals in the community, college, school, and worksite settings. Particular emphasis will be on examining, developing, or modifying new programming related to sexuality and health. Previously offered as HHP 5233.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 5323 General Epidemiology

Description: Examination of epidemiological theory and its methodological application to public health. Same course as MPH 5323. Previously offered as HHP 5323.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 5453 Cultural Issues In Health

Description: Examination of ways in which culture affects health and health care including perceptions of health, disease, treatments, and the values associated with these factors. The need for cultural sensitivity in health care is emphasized. Same course as MPH 5453. Previously offered as HHP 5453.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 5653 Foundations of Public Health Education and Promotion

Description: Exploration of key concepts, philosophies, ethical principles, historical events, theories/models, and responsibilities and competencies of public health promotion. Same course as MPH 5653. Previously offered as HHP 5653.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 5683 Health Behavior Theory and Practice for Public Health

Description: Theories and concepts of health behavior change and exploration of the application of theories to public health programs. Same course as MPH 5683. Previously offered as HHP 5683.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 5973 Designing Public Health Programs

Description: Application of program design principles, including needs assessment, theoretical application, program planning and marketing. Same course as MPH 5973. Previously offered as HHP 5973.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 5983 Implementation and Evaluation of Public Health Programs

Description: Application of program implementation and evaluation, including evaluation design. Same course as MPH 5983. Previously offered as HHP 5983.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

HLTH 6000 Doctoral Dissertation

Description: Required of all candidates for the Doctor of Philosophy degree. Credit is given upon completion of the dissertation. Offered for variable credit, 1-15 credit hours, maximum of 27 credit hours.

Credit hours: 1-15

Contact hours: Contact: 1-15 Other: 1-15

Levels: Graduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

HLTH 6010 Independent Study in Health Promotion

Description: Supervised readings, research or independent study of trends and issues related to the areas of health promotion. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

HLTH 6020 Research Colloquium in Health Promotion

Description: Topics-based graduate colloquium that explores selected topics and research in the areas of health promotion. Offered for variable credit, 1-3 credit hours, maximum of 3 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

NURS 3000 Registered Nursing Experience/License

Prerequisites: Associate Degree or Diploma in Nursing plus RN license.

Description: Credit to be determined by a successful passing of the NCLEX (National Council Licensing Exam) and holding a current active Registered Nursing License from a state board of nursing. Offered for variable credit, 1-30 credit hours, maximum of 30 credit hours.

Credit hours: 1-30

Contact hours: Contact: 1-30 Other: 1-30

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Health Sci, Couns, Couns Psych

NURS 3003 Pharmacology in Nursing

Prerequisites: NURS 3018 and BIOL 3214 and NSCI 2114.

Description: Presents core drug knowledge, pharmacotherapeutics, pharmacodynamics and pharmacokinetics. Emphasizes dosage calculation and drug classifications by categories affecting various body systems and disease states.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

NURS 3013 Theoretical and Conceptual Foundations of Nursing

Prerequisites: Associate degree or diploma in nursing plus RN license.

Description: Introduction to concepts and theories pertinent to nursing practice in a variety of healthcare environments. Theories are addressed as frameworks for practice. Historical, legal, cultural, economic, and social factors influencing health care are analyzed. Philosophical perspectives related to professional nursing are considered. Strategies are discussed when analyzing and managing ethical dilemmas and the application of these strategies to health and wellness promotion will be examined.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

NURS 3018 Foundations of Nursing

Prerequisites: Full admittance into the nursing program.

Description: Examines concepts of physiological integrity, psychosocial integrity, safe, effective care environments, and health promotion/maintenance. Focuses on beginning competencies with an emphasis on health assessment, interpersonal communication, safety, documentation, and selected basic nursing interventions required for clients with acute and chronic health problems.

Credit hours: 8

Contact hours: Lecture: 5 Lab: 9 Contact: 14

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Health Sci, Couns, Couns Psych

NURS 3025 Health Assessment, Wellness and Community Health

Prerequisites: Associate degree or diploma in nursing plus RN license.

Description: Health assessment and its relationship to the prevention and early detection of disease across the life span. Health strategies for communities and diverse populations with social, cultural, environmental, and economic dimensions will be examined. Application of concepts from nursing theorists, core competencies for interprofessional collaborative practice, and the wellness model. Health and wellness promotion in the community will be examined through a clinical component.

Credit hours: 5

Contact hours: Lecture: 3 Lab: 4 Contact: 7

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Health Sci, Couns, Couns Psych

NURS 3033 Cultural Considerations in Health Care

Prerequisites: Associate degree or diploma in nursing plus RN license.

Description: Improving cultural awareness, cultural sensitivity and cultural competency among health care professionals. Expands the understanding of cultural diversity in relation to health care beliefs and practices and prepares students to better implement and evaluate individualized plans to improve health care delivery in diverse settings and population groups.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

NURS 3043 Global and Public Health

Prerequisites: Associate degree or diploma in nursing plus RN license.

Description: An introduction of the main concepts of the global health field and explores the impact of professional nursing on the health and well-being of individuals. Overview of principles and goals related to global health, global health issues, burden of disease and interprofessional collaboration to improve health. Students utilize critical reasoning and evidence-based practices. Previously offered as NURS 3034.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

NURS 3118 Adult Health Nursing I

Prerequisites: NURS 3018 and BIOL 3214 and NSCI 2114.

Description: Provides concept based nursing theory for holistic care of adult clients with health alterations. Includes physical and mental wellness, diagnostic and therapeutic nursing interventions, emphasizing the nursing process and critical thinking to manage acute and chronic health alterations. Provides opportunities to practice nursing skills in simulated and actual medial surgical and mental health clinical settings.

Credit hours: 8

Contact hours: Lecture: 5 Lab: 9 Contact: 14

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Health Sci, Couns, Couns Psych

NURS 3218 Family and Community Health Nursing

Prerequisites: NURS 3118 and NURS 3013 and NURS 3003.

Description: Provides concept based nursing theory for the holistic care of vulnerable populations, including child-bearing women, newborns, children, the disabled, older adults, families and the communities in which they live. Clinical focuses on health and wellness promotion, providing nursing care to vulnerable populations in a variety of settings.

Credit hours: 8

Contact hours: Lecture: 5 Lab: 9 Contact: 14

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Health Sci, Couns, Couns Psych

NURS 3224 Global and Transcultural Nursing

Prerequisites: NURS 3118 and NURS 3013 and NURS 3003.

Description: Expands understanding of cultural diversity in relation to health care beliefs and practices to prepare students to implement and evaluate plans to improve health care delivery in globally diverse settings and population groups.

Credit hours: 4

Contact hours: Lecture: 4 Contact: 4

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

NURS 4013 Healthcare Policy, Finance and Regulatory Environments

Prerequisites: Associate degree or diploma in nursing plus RN license.

NURS 3013, NURS 3025, NURS 3033, NURS 3034.

Description: Provides information, perspectives and strategies that nurses need to develop the capacity and skills to influence reform, quality of care and access to health. Active learning strategies include individual and group learning experiences.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

NURS 4023 Trends and Issues in Nursing

Prerequisites: Associate degree or diploma in nursing plus RN license.

NURS 3013, NURS 3025, NURS 3033, NURS 3043, all with a minimum grade of "C".

Description: An overview of the evolution of nursing as a profession while introducing students to their role as scholarly practitioners. Examination of changes in the U.S. healthcare system, the importance of information technology and measures that promote quality, safety and improved outcomes in patient care as well as issues and trends in contemporary practice, the importance of interprofessional collaboration and the influence of socioeconomic, ethical, legal and professional values.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

NURS 4034 Leadership and Management in Nursing

Prerequisites: Associate degree or diploma in nursing plus RN license.

NURS 3013, NURS 3025, NURS 3033, NURS 3043, all with a minimum grade of "C".

Description: Examination of selected leadership and management theories and processes critical to a work environment that is efficient, effective, and committed to quality nursing care. Emphasis on the key skills employed by successful nurse leaders/managers. Utilizes a clinical component to prepare graduates for an entry position into the professional nurse manager role. Previously offered as NURS 4033.

Credit hours: 4

Contact hours: Lecture: 3 Lab: 2 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Health Sci, Couns, Couns Psych

NURS 4043 Nursing Research and Evidenced-Based Practice

Prerequisites: Associate degree or diploma in nursing plus RN license. NURS 3013, NURS 3025, NURS 3033, NURS 3043, all with a minimum grade of "C".

Description: Basic understanding of the research process and its application to nursing and evidence-based practice. Includes appraisal of literature, research design, and statistical methods and analysis. Qualitative, quantitative, and mixed methodology research, data summarization, and principles of measurement will be reviewed. Particular emphasis on ethics and the rights and responsibilities toward human subjects are examined.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

NURS 4050 RN-BSN Capstone

Prerequisites: Associate degree or diploma in nursing plus RN license. NURS 3013, NURS 3025, NURS 3033, NURS 3043, NURS 4023, and NURS 4034, all with a minimum grade of "C". May take concurrently with NURS 4043.

Description: Implementation of knowledge from the RN-BSN curriculum and application of evidence-based practice while utilizing inter-professional collaboration, leadership, management, ethical decision making, healthcare policy at the local, state and global levels, informatics, health, wellness and research. Engagement in community activities promoting health and wellness and the advancement of the role of the baccalaureate prepared registered nurse. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Lecture: 1-6 Contact: 1-6

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

NURS 4054 Nursing Capstone and Transition to Practice

Prerequisites: NURS 4116 and NURS 4043 and HLTH 4783.

Description: As a capstone course, students apply knowledge from the BSN curriculum and engage in activities utilizing evidence-based practice; integrate healthcare policy at the local, state and national levels. Highlights the influence of professional values on the role of the professional nurse. Application of critical thinking, communication, and therapeutic nursing interventions to demonstrate readiness for the NCLEX-RN.

Credit hours: 4

Contact hours: Lecture: 4 Contact: 4

Levels: Undergraduate

Schedule types: Lecture

Department/School: Health Sci, Couns, Couns Psych

NURS 4116 Adult Health Nursing II

Prerequisites: HLTH 3723 and NURS 3216 and NURS 3224.

Description: Provides concept-based nursing theory for holistic care of adult clients with critical health alterations. Clinical focuses on providing high acuity nursing care in critical care clinical settings.

Credit hours: 6

Contact hours: Lecture: 3 Lab: 9 Contact: 12

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Health Sci, Couns, Couns Psych

NURS 4136 Essentials of Nursing Leadership

Prerequisites: NURS 4116 and NURS 4043 and HLTH 4783.

Description: Examines selected theories and processes critical to a work environment that are efficient, effective, and committed to quality nursing care. Utilizes a clinical component to prepare graduates for an entry position into the professional nurse leader/manager role.

Credit hours: 6

Contact hours: Lecture: 3 Lab: 9 Contact: 12

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Health Sci, Couns, Couns Psych

Undergraduate Programs

- Nursing, BSN (p. 2014)
- Nursing: RN to BSN, BS (p. 2016)
- Public Health: Community Health, BS (p. 2021)
- Public Health: Exercise and Health, BS (p. 2023)

Graduate Programs

The community health sciences program area offers graduate programs in Health and Human Performance, option in Health Promotion (MS degree) and Community Health Sciences (PhD degree). The counseling and counseling psychology program area offer graduate programs in Substance Abuse Counseling (Graduate Certificate), mental health counseling and school counseling leading to the MS degree in counseling as well as Counseling Psychology (PhD degree).

Community Health Sciences

Kelley Rhoads, PhD—Assistant Professor and Program Coordinator

PhD Program

The program prepares excellent, advanced-level community health scholars and practitioners who increase the quality of life for Oklahomans and beyond by utilizing evidence-based practices, social justice frameworks, and cultural competence. Graduates may serve in positions found within K – 12 schools, higher education institutions, medical facilities, governmental agencies, non-profit organizations, and corporations. The program helps students to develop experiences that will allow them to meet career needs and goals through interactive and collaborative research, teaching experience, university and professional service, and outreach and extension.

Health and Human Performance, option in Health Promotion MS

Kelley Rhoads, PhD—Assistant Professor and Program Coordinator

MS Program

The program prepares students to address lifestyle and health issues across community settings using a behavioral social science lens. These lifestyle and health issues may include nutrition, physical activity, substance abuse, tobacco use, chronic disease, HIV/STI's, diabetes and pregnancy. While our students enter our program from a variety of academic backgrounds such as public health; psychology; sociology; marketing; exercise physiology; political science; and biology, they all graduate with the same goal of enabling people to increase control over, and to improve, their health.

Counseling Psychology

John Romans, PhD—Professor and Training Director

PhD Program

This program is accredited by the American Psychological Association and is based on the scientist-practitioner model of training. The program is designed to prepare students for counseling, consulting, teaching and research roles in various settings such as university counseling centers, academic departments, hospitals, public service settings such as prisons and Veterans Administration Medical Centers, business settings, mental health clinics and community settings. Students are required to follow a specified sequence of study in which academic coursework and practicum experiences are integrated. Students must also complete one year of full-time internship. Application materials for the counseling psychology program are due by December 1st for the following summer or fall enrollment.

Counseling MS

Lisa Beijan, PhD—Assistant Professor and Program Coordinator

Mental Health Counseling

This program is intended for individuals who wish to serve as professional counselors in a variety of human service and community mental health agencies. Students may choose elective courses in selected areas of specification such as youth counseling, substance abuse counseling and mental health counseling. The program is designed to meet the academic requirement for licensure as a professional counselor in Oklahoma and the standards set by the Council for Accreditation of Counseling and Related Educational Programs (CACREP) for national accreditation. Application materials for this program are due January 25th for the following summer/fall enrollment.

School Counseling

MS Program

This program prepares students to work as counselors in public schools, serving students, teachers and parents. The role of the school counselor is to coordinate the comprehensive school counseling program, focusing on the educational, career, personal and social development of students. Within this comprehensive school counseling program, school counselors provide counseling, consulting, coordinating and appraisal services. The school counseling program is designed to meet the certification requirements for the State of Oklahoma as well as requirements of the Council for Accreditation of Counseling and Related Educational Programs (CACREP). Application materials for this program are due January 25th for the following summer/fall enrollment.

Substance Abuse Counseling Certificate

Valerie McGaha, PhD—Associate Professor and Program Coordinator

Certificate Program

This graduate certificate is designed for graduate students and working professionals from a range of mental health education backgrounds who wish to provide comprehensive mental health and substance abuse treatment through inpatient and outpatient care. The certificate helps meet an overwhelming national need within the mental health field by equipping future and current professionals with the specific tools to address and treat substance abuse and addictions. Those who complete this certificate may also pursue the Licensed Alcohol and Drug Counselor (LADC) credential.

Certificates

- Pre-Nursing, UCRT (p. 2018)
- Public Health, UCRT (p. 2020)

Minors

- Pre-Counseling (PCOU), Minor (p. 2017)
- Public Health (PH), Minor (p. 2019)

Faculty

Tonya R. Hammer, PhD—Professor and School Head

Professors: Sue C. Jacobs, PhD; John S. C. Romans, PhD; Carrie Winterowd, PhD

Associate Professors: Valerie McGaha, PhD; DJ McMaughan, PHD; Kelley Rhoads, PHD

Clinical Associate Professor: Thomas R. Berry, PhD

Assistant Professors: Lisa Beijan, PhD; Xuewei Chen, PhD; Alana Cluck, PhD; Ho Han, PhD; Heontae Kim, PHD; Douglas Knutson, PhD; Jyotsana Sharma, PhD

Clinical Assistant Professor: Sarah Johnson, PhD

Teaching Assistant Professor: Marshan Oliver-Marick, DrPH

Teaching Instructor: Amy Birchfield, MS, RN

Nursing, BSN

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 121

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH 1513	College Algebra (A)	3
or MATH 1483	Mathematical Functions and Their Uses (A)	
Select one of the following:		3
STAT 2013	Elementary Statistics (A)	
STAT 2023	Elementary Statistics for Business and Economics (A)	
STAT 2053	Elementary Statistics for the Social Sciences (A)	
STAT 3023	Statistical Reasoning for Medical Applications (A)	
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
Minimum grade of "C"		
CHEM 1215	Chemical Principles I (LN)	4
or CHEM 1314	Chemistry I (LN)	
BIOL 1113	Introductory Biology (N)	4
& BIOL 1111	and Introductory Biology Laboratory (LN)	
or BIOL 1114	Introductory Biology (LN)	
<i>Social & Behavioral Sciences (S)</i>		
PSYC 1113	Introductory Psychology (S)	3
PSYC 2583	Developmental Psychology (S)	3
or HDFL 2113	Lifespan Human Development (S)	
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		3
Hours Subtotal		41
Diversity (D) & International Dimension (I)		

May be completed in any part of the degree plan

Select at least one Diversity (D) course

Select at least one International Dimension (I) course

College/Departmental Requirements

Minimum GPA 2.50 with a minimum grade of "C" or "P" in each course

EDHS 1112	First Year Seminar	2
MICR 2123	Introduction to Microbiology	5
& MICR 2132	and Introduction to Microbiology Laboratory	
NSCI 2013	Principles of Human Nutrition (N)	3
BIOL 3204	Physiology	4
BIOL 3214	Human Anatomy	4

Hours Subtotal 18

Major Requirements

Minimum GPA of 2.50 with a minimum grade of "C" or "P" in each course.

HLTH 3723	Principles of Epidemiology	3
HLTH 4783	Health Issues in Gerontology	3

Select three hours from the following: 3

NURS 3003	Pharmacology in Nursing	
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OR

NURS 3002	Pharmacology in Nursing I	
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AND

NURS 3012	Pharmacology in Nursing II	
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NURS 3013	Theoretical and Conceptual Foundations of Nursing	3
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NURS 3018	Foundations of Nursing	8
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NURS 3118	Adult Health Nursing I	8
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NURS 4023	Trends and Issues in Nursing	3
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Select four hours from the following: 4

NURS 3224	Global and Transcultural Nursing	
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NURS 3223	Global and Cultural Competencies in Nursing	
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NURS 4043	Nursing Research and Evidenced-Based Practice	3
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NURS 4054	Nursing Capstone and Transition to Practice	4
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NURS 4116	Adult Health Nursing II	6
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NURS 4136	Essentials of Nursing Leadership	6
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NURS 4216	Family and Community Health Nursing	6
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NURS 4242	Nursing Informatics	2
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Hours Subtotal 62

Total Hours 121

Other Requirements

- 40 hours of upper-division course work.
- Required for graduation:
 - 2.50 Overall GPA;
 - 2.50 GPA in College/Departmental Requirements; and
 - 2.50 GPA in Major Requirements.
- The student must earn minimum grades of "C" or "P" in the College/Departmental Requirements and Major Requirements.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Nursing: RN to BSN, BS

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH courses designated (A)		3
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
CHEM 1215	Chemical Principles I (LN)	4
or CHEM 1314	Chemistry I (LN)	
NSCI 2013	Principles of Human Nutrition (N)	3
<i>Social & Behavioral Sciences (S)</i>		
Course designated (S)		3
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		9
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
Select at least one Diversity (D) course		
Select at least one International Dimension (I) course		
College/Departmental Requirements		
Minimum GPA 2.50 with a minimum grade of "C" or "P" in each course		
EDHS 1112	First Year Seminar	2
MICR 2123	Introduction to Microbiology	5
& MICR 2132	and Introduction to Microbiology Laboratory	
Select one of the following courses:		3
STAT 2013	Elementary Statistics (A)	
STAT 2023	Elementary Statistics for Business and Economics (A)	

STAT 2053	Elementary Statistics for the Social Sciences (A)	
Select 4 hours Human Anatomy		4
Select 4 hours Physiology		4
Hours Subtotal		18
Major Requirements		
Minimum GPA of 2.50 with a minimum grade of "C" or "P" in each course.		
NURS 3000	Registered Nursing Experience/License (For Associate Degree or Diploma in Nursing + RN License)	30
HLTH 3723	Principles of Epidemiology	3
HLTH 4783	Health Issues in Gerontology	3
NURS 3013	Theoretical and Conceptual Foundations of Nursing	3
NURS 3025	Health Assessment, Wellness and Community Health	5
NURS 3033	Cultural Considerations in Health Care	3
NURS 3043	Global and Public Health	3
NURS 4023	Trends and Issues in Nursing	3
NURS 4034	Leadership and Management in Nursing	4
NURS 4043	Nursing Research and Evidenced-Based Practice	3
NURS 4050	RN-BSN Capstone	2
Hours Subtotal		62
Total Hours		120

Other Requirements

- 40 hours of upper-division course work.
- Required for graduation:
 - 2.50 Overall GPA;
 - 2.50 GPA in College/Departmental Requirements; and
 - 2.50 GPA in Major Requirements.
- The student must earn minimum grades of "C" or "P" in the College/Departmental Requirements and Major Requirements.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Pre-Counseling (PCOU), Minor

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Tonya R. Hammer, PhD, School of Community Health Sciences, Counseling and Counseling Psychology, (405) 744-6040

Minimum Overall Grade Point Average: 2.50 with no grade below "C" in all minor courses

Total Hours: 15

Code	Title	Hours
CPSY 3003	Introduction to Counseling and Related Professions	3
CPSY 3013	Introduction to Helping Skills	3
CPSY 3023	Mental Health in Schools and the Community	3
CPSY 4013	Field Experience in Counseling	3
CPSY 4443	Cultural Diversity in Professional Life (D)	3
Total Hours		15

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.
- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (<https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf>).

Pre-Nursing, UCRT

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Total Hours: 62

Minimum GPA 2.50 with no grade below "C." Minimum 15 hours in residence at OSU.

Code	Title	Hours
EDHS 1112	First Year Seminar	2
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
ENGL 1213	Composition II	3
or ENGL 1413	Critical Analysis and Writing II	
HIST 1103	Survey of American History	3
or HIST 1483	American History to 1865 (H)	
or HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
MATH 1513	College Algebra (A) (or higher)	3
STAT 2013	Elementary Statistics (A)	3
or STAT 2023	Elementary Statistics for Business and Economics (A)	
or PSYC 3214	Statistical Methods in Psychology	
BIOL 1113	Introductory Biology (N)	4
& BIOL 1111	and Introductory Biology Laboratory (LN)	
or BIOL 1114	Introductory Biology (LN)	
BIOL 3204	Physiology	4
BIOL 3214	Human Anatomy (Strongly recommended. Some nursing schools require BIOL 3214.)	4
or HHP 2654	Applied Anatomy	
CHEM 1314	Chemistry I (LN)	4
MICR 2123	Introduction to Microbiology	3
MICR 2132	Introduction to Microbiology Laboratory	2
NSCI 2013	Principles of Human Nutrition (N)	3
Select 3 hours from:		3
PHIL 1113	Introduction To Philosophy (H)	
PHIL 1213	Philosophies of Life (H)	
PHIL 3513	Social Philosophy (H)	
PHIL 3833	Biomedical Ethics (H)	
Select 3 hours Humanities (H) from:		3
ARCH 2003	Architecture and Society (HI)	
ART 1503	Art History Survey I (H)	
ART 1513	Art History Survey II (H)	
ART 1603	Introduction to Global Art (H)	
ART 3603	History of Classical Art (H)	
DANC 1003	Introduction to Dance Studies (H)	
ENGL 1923	Great Works of Literature (H)	
ENGL 2413	Exploring Literature (DH)	
ENGL 2453	Introduction to Film and Television (H)	
MUSI 2573	Introduction to Music (H)	
MUSI 2763	History of Rock and Roll (H)	
MUSI 2783	American Popular Music (H)	

TH 2413	Introduction to Staged Entertainment (H)	
TH 3633	Diverse American Drama (DH)	
Select 3 hours from:		3
ANTH 3353	Cultural Anthropology (IS)	
ANTH 3443	Peoples of Mesoamerica (IS)	
ANTH 4883	Comparative Cultures (IS)	
GEOG 3753	Asia (IS)	
GEOG 3763	Africa (IS)	
HIST 3053	Introduction to Central Asia Studies (IS)	
HIST 3413	East Asia Since 1800 (HI)	
HIST 3423	Modern Japan (HI)	
HIST 3433	Modern China (HI)	
NSCI 3543	Food and the Human Environment (IS)	
PHIL 3943	Asian Philosophy (HI)	
PSYC 1113	Introductory Psychology (S)	3
PSYC 2583	Developmental Psychology (S)	3
or HDFL 2113	Lifespan Human Development (S)	
SOC 1113	Introductory Sociology (S)	3
Total Hours		62

Public Health (PH), Minor

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Marshan Oliver-Marick, PhD, School of Community Health Sciences, Counseling and Counseling Psychology, 918-594-8536

Minimum Overall Grade Point Average: 2.50 with no grade below "C."

Total Hours: 18

Code	Title	Hours
Minor Requirements		
HLTH 2213	Introduction to Public Health	3
HLTH 2603	Total Wellness (S)	3
HLTH 3613	Community Health	3
HLTH 3643	Health Behavior Theory	3
HLTH 4973	Program Design in Public Health	3
Select 3 hours of the following:		3
HLTH 3113	Health Issues in Diverse Populations (D)	
HLTH 3603	Understanding HIV (DS)	
HLTH 3623	School Health Programs	
HLTH 3723	Principles of Epidemiology	
HLTH 3913	Alcohol and Drug Education	
HLTH 4233	Health and Sexuality (DS)	
HLTH 4533	Psychosocial Issues in Public Health	
HLTH 4783	Health Issues in Gerontology	
NSCI 2013	Principles of Human Nutrition (N)	
Total Hours		18

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.
- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (<https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf>).

Public Health, UCRT

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Total Hours: 18

Code	Title	Hours
Required Courses		
HLTH 2213	Introduction to Public Health	3
HLTH 3343	Public Health Policy	3
HLTH 3613	Community Health	3
HLTH 3643	Health Behavior Theory	3
HLTH 3723	Principles of Epidemiology	3
HLTH 4973	Program Design in Public Health	3
Total Hours		18

Certificate completion will require a minimum cumulative GPA of 2.50 and no grade below "C" in the required courses.

Public Health: Community Health, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.75

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
Math or STAT course designated (A)		3
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
CHEM 1215	Chemical Principles I (LN)	4
or CHEM 1314	Chemistry I (LN)	
BIOL 1113	Introductory Biology (N)	4
& BIOL 1111	and Introductory Biology Laboratory (LN)	
or BIOL 1114	Introductory Biology (LN)	
<i>Social & Behavioral Sciences (S)</i>		
Course designated (S)		3
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		8
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
Select at least one Diversity (D) course		
Select at least one International Dimension (I) course		
College/Departmental Requirements		
Minimum GPA 2.75 with a minimum grade of "C" or "P" in each course		
EDHS 1112	First Year Seminar	2
MSIS 2103	Business Data Science Technologies	3
or EDTC 4113	Applications of Media and Technology	
NSCI 2013	Principles of Human Nutrition (N)	3

BIOL 3204	Physiology	4
Choose one of the following:		3
STAT 2013	Elementary Statistics (A)	
STAT 2023	Elementary Statistics for Business and Economics (A)	
STAT 2053	Elementary Statistics for the Social Sciences (A)	

Hours Subtotal 15

Major Requirements

Minimum GPA of 2.75 with a minimum grade of "C" or "P" in each course

HLTH 2213	Introduction to Public Health	3
HLTH 2603	Total Wellness (S)	3
HLTH 3113	Health Issues in Diverse Populations (D)	3
HLTH 3343	Public Health Policy	3
HLTH 3613	Community Health	3
HLTH 3643	Health Behavior Theory	3
HLTH 3723	Principles of Epidemiology	3
HLTH 3913	Alcohol and Drug Education	3
HLTH 3923		3
HLTH 4233	Health and Sexuality (DS)	3
HLTH 4313		3
HLTH 4533	Psychosocial Issues in Public Health	3
HLTH 4783	Health Issues in Gerontology	3
HLTH 4880	Internship in Public Health: Public Health (12 hours)	12
HLTH 4903		3
HLTH 4973	Program Design in Public Health	3

Elective Hours

Select 8 hours 8

Hours Subtotal 65

Total Hours 120

Other Requirements

- 40 hours of upper-division course work.
- Required for enrollment in HLTH 4880 Internship in Public Health: Public Health
 - Documentation of current first aid/CPR certification; and
 - 2.75 GPA in Major Requirements, 2.75 GPA in College/Departmental Requirements, & 2.75 Overall GPA.
- Required for graduation:
 - 2.75 Overall GPA;
 - 2.75 GPA in College/Departmental Requirements; and
 - 2.75 GPA in Major Requirements.
- The student must earn minimum grades of "C" or "P" in the College/Departmental Requirements and Major Requirements.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.

- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
MATH or STAT Course Designated (A) MATH 1513 suggested		3
BIOL 1113 & BIOL 1111 or BIOL 1114	Introductory Biology (N) or Introductory Biology (LN)	4
HLTH 2213	Introduction to Public Health	3
EDHS 1112	First Year Seminar	2
Hours		15
Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
Course Designated (H)		3
CHEM 1215 or CHEM 1314	Chemical Principles I (LN) or Chemistry I (LN)	4
HLTH 2603	Total Wellness (S)	3
Course Designated (S)		3
Hours		16
Sophomore		
Fall		
Course Designated (A), (H), (N) or (S)		3
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
3 Hours of Elective		3
STAT 2013 or STAT 2023 or STAT 2053	Elementary Statistics (A) or Elementary Statistics for Business and Economics (A) or Elementary Statistics for the Social Sciences (A)	3
HLTH 3613	Community Health	3
Hours		15
Spring		
POLS 1113	American Government	3
NSCI 2114		4
Course Designated (H)		3
MSIS 2103 or EDTC 4113	Business Data Science Technologies or Applications of Media and Technology	3
3 Hours of Elective		3
Hours		16
Junior		
Fall		
BIOL 3204	Physiology	4
HLTH 3113	Health Issues in Diverse Populations (D)	3

HLTH 3643	Health Behavior Theory	3
3 hours of Electives		3
HLTH 3913	Alcohol and Drug Education	3
Hours		16
Spring		
Course Designated (A), (H), (N) or (S)		5
HLTH 3723	Principles of Epidemiology	3
4 hours of Electives		4
HLTH 3351		1
HLTH 4233	Health and Sexuality (DS)	3
Hours		16
Senior		
Fall		
3 hours of Elective		3
HLTH 4533	Psychosocial Issues in Public Health	3
HLTH 4783	Health Issues in Gerontology	3
HLTH 4973	Program Design in Public Health	3
Hours		12
Spring		
HLTH 4880	Internship in Public Health: Public Health	12
Hours		12
Total Hours		118

Public Health: Exercise and Health, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.75

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH or STAT course designated (A)		3
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
BIOL 1113	Introductory Biology (N)	4
& BIOL 1111	and Introductory Biology Laboratory (LN)	
or BIOL 1114	Introductory Biology (LN)	
CHEM 1215	Chemical Principles I (LN)	4
or CHEM 1314	Chemistry I (LN)	
<i>Social & Behavioral Sciences (S)</i>		
Course designated (S)		3
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		8
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
Select at least one Diversity (D) course		
Select at least one International Dimension (I) course		
College/Departmental Requirements		
Minimum GPA 2.75 with a minimum grade of "C" or "P" in each course		
EDHS 1112	First Year Seminar	2
MSIS 2103	Business Data Science Technologies	3
or EDTC 4113	Applications of Media and Technology	

NSCI 2013	Principles of Human Nutrition (N)	3
BIOL 3204	Physiology	4
Select one of the following:		3
STAT 2013	Elementary Statistics (A)	
STAT 2023	Elementary Statistics for Business and Economics (A)	
STAT 2053	Elementary Statistics for the Social Sciences (A)	

Hours Subtotal 15

Major Requirements

Minimum GPA of 2.75 with a minimum grade of "C" or "P" in each course		
HHP 2654	Applied Anatomy	4
or BIOL 3214	Human Anatomy	
HHP 3114	Physiology of Exercise	4
HHP 3663	Biomechanics	3
HLTH 2213	Introduction to Public Health	3
HLTH 2603	Total Wellness (S)	3
HLTH 3113	Health Issues in Diverse Populations (D)	3
HLTH 3343	Public Health Policy	3
HLTH 3613	Community Health	3
HLTH 3643	Health Behavior Theory	3
HLTH 3673		3
HLTH 3723	Principles of Epidemiology	3
HLTH 3923		3
HLTH 4313		3
HLTH 4903		3
HLTH 4973	Program Design in Public Health	3
HLTH 4990	Internship in Public Health: Exercise and Health	12

Elective hours

Select 6 hours 6

Hours Subtotal 65

Total Hours 120

Other Requirements

- 40 hours of upper-division course work.
- Required for enrollment in HLTH 4990 Internship in Public Health: Exercise and Health
 - Documentation of current first aid/CPR certification and
 - 2.75 GPA in Major Requirements, 2.75 GPA in College/Departmental Requirements, & 2.75 Overall GPA.
- Required for graduation:
 - 2.75 Overall GPA;
 - 2.75 GPA in College/Departmental Requirements; and
 - 2.75 GPA in Major Requirements.
- The student must earn minimum grades of "C" or "P" in the College/Departmental Requirements and Major Requirements.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.

- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
MATH or STAT Course Designated (A)	MATH 1513 suggested	3
BIOL 1113 & BIOL 1111 or BIOL 1114	Introductory Biology (N) or Introductory Biology (LN)	4
HLTH 2213	Introduction to Public Health	3
EDHS 1112	First Year Seminar	2
Hours		15
Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
Course Designated (H)		3
CHEM 1215 or CHEM 1314	Chemical Principles I (LN) or Chemistry I (LN)	4
HLTH 2603	Total Wellness (S)	3
Course Designated (S)		3
Hours		16
Sophomore		
Fall		
Course Designated (A), (H), (N) or (S)		3
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
3 Hours of Elective		3
STAT 2013 or STAT 2023 or STAT 2053	Elementary Statistics (A) or Elementary Statistics for Business and Economics (A) or Elementary Statistics for the Social Sciences (A)	3
HLTH 3613	Community Health	3
Hours		15
Spring		
POLS 1113	American Government	3
NSCI 2114		4
Course Designated (H)		3
MSIS 2103 or EDTC 4113	Business Data Science Technologies or Applications of Media and Technology	3
HLTH 3913	Alcohol and Drug Education	3
Hours		16

Junior

Fall

BIOL 3204	Physiology	4
HLTH 3643	Health Behavior Theory	3
4 Hours of Electives		4
Course designated (A), (H), (N), or (S)		5
Hours		16

Spring

HLTH 3351		1
HLTH 3723	Principles of Epidemiology	3
HHP 2654 or BIOL 3214	Applied Anatomy or Human Anatomy	4
HHP 3663	Biomechanics	3
HLTH 3113	Health Issues in Diverse Populations (D)	3
Hours		14

Senior

Fall

4 Hours of Electives		4
HLTH 4533	Psychosocial Issues in Public Health	3
HHP 3114	Physiology of Exercise	4
HLTH 4973	Program Design in Public Health	3
HLTH 4902	Pre-Internship Seminar	2
Hours		16

Spring

HLTH 4990	Internship in Public Health: Exercise and Health	12
Hours		12
Total Hours		120

School of Educational Foundations, Leadership and Aviation

Chad Depperschmidt, EdD—Associate Professor and Interim School Head
 Kerri Kearney, EdD—Professor and Associate School Head

The School of Educational Foundations, Leadership, and Aviation (SEFLA) offers degrees, options or certificates in the following areas: aviation and space; school administration; educational psychology; educational technology; school library media, online teaching; higher education; college student development; research, evaluation, measurement and statistics; and social foundations. These programs conduct scholarly inquiry and educate professionals in areas foundational to thought and practice in a wide variety of professional roles associated with business and educational and industry settings. Consistent with the goals of OSU's Professional Education Council's Core Concepts and Goals Statement, the faculty strives to demonstrate and perpetuate teaching that is based on theory and research-driven educational practices.

We provide specialized training at the undergraduate and graduate levels yet permit flexibility to enable students to meet individualized goals. General information about undergraduate degrees is offered under the "*University Academic Regulations*" section of the Catalog. General information about graduate degrees may be found in the "*Master's Degree*," "*Certificates*," "*Doctor of Education*," or "*Doctor of Philosophy*" areas of the "*Graduate College*" section of the Catalog.

Financial support is available for research assistantships and for qualified graduate students to assume teaching responsibilities under faculty supervision. Selections for assistantships are made in the spring semester for the following academic year. Interested individuals are encouraged to apply through the SEFLA website.

OSU NASA STEM Education Projects. Susan Stansberry, Professor of Educational Technology is the Principal investigator for the OSU NASA Education Program, NASA STEM Pathway Activities—Consortium for Education (NSPACE).

OSU is the lead institution in activities supporting NASA's goal to improve STEM instruction; increase youth and public engagement in STEM; enhance the STEM experience of undergraduate students; better serve historically underrepresented groups in STEM fields; and design education for a needed STEM workforce. The NSPACE project leverages the skills and expertise of a group of innovative partners, including 13 institutions within the Texas A&M University System, Langston University, OSU's Center for Sovereign Nations, Northern Oklahoma College, the Oklahoma 4-H Foundation, and the Technology for Learning Consortium. NSPACE supports STEM activities at Johnson and other Space Centers for K-12 students, educators, and community college and undergraduate students. NSPACE offers a broad and varied portfolio of opportunities to involve students and educators in hands-on experiences and research applications on Earth, in the air above Earth, and in the microgravity environment of space. Activities are "as only NASA can" and are designed to support NASA Education's goals of strengthening the Nation's future workforce, attracting and retaining students in STEM disciplines, and engaging Americans in NASA's mission. NSPACE's portfolio of 15 STEM Engagement activities (<https://education.okstate.edu/departments-programs/educational-foundations-leadership-aviation/nasa.html>) are available to students of all ages, but primarily at the university level. In the first two years of our five-year cooperative agreement, we have reached over 337,000 students and over 82,000 educators in 51 states and territories. Bringing International Space Station (ISS) downlinks

into classrooms; facilitating high school students' design, prototyping, and manufacturing of hard and soft goods sent to the ISS; challenging college students to design and create spacesuit informatics using AR or to compete in an engineering design challenge; providing internships for students; and facilitating the *Year of Education* on the ISS are just a few of the activities this project supports. Links to all activities and additional project information may be accessed at <https://education.okstate.edu/departments-programs/educational-foundations-leadership-aviation/nasa.html>.

Course Prefixes

Course prefixes in SEFLA include AVED (Aviation Education); EDLE (Educational Leadership - School Administration); EDTC (Educational Technology); EPSY (Educational Psychology); LBSC (Library Science); REMS (Research, Educational Measurements and Statistics); HESA (Higher Education and Student Affairs); and SCFD (Social Foundations).

Aviation and Space Program

Jon Loffi, EdD—Associate Professor and Program Coordinator for Undergraduate Studies (Stillwater)

Timm Bliss, EdD—Professor and Graduate Program Coordinator for Undergraduate Studies (Tulsa and Oklahoma City) and Program Coordinator for Graduate Studies

The Aviation and Space Program prepares students for careers in the aerospace industry. The BS in Aerospace Administration and Operations degree program offers five options: Professional Pilot, Aviation Management, Technical Services Management, Aerospace Security and Aerospace Logistics.

The *Professional Pilot* option prepares students for careers in flight operations in both the general aviation and the air carrier segments of the aviation industry. In addition to high quality aviation-related coursework, the student will attain FAA certifications for Private Pilot, Commercial Pilot-Instrument Rated for both single-engine and multi-engine aircraft and Certified Flight Instructor. The Professional Pilot option is compliant with Title 14 CFR of the Code of Federal Regulations Part 141.

The *Aviation Management* option prepares students for management positions in the aerospace industry. Employment opportunities include positions with fixed-base operators, air carriers, corporate flight departments, commuter and air taxi operations and a variety of career areas associated with airport operations, manufacturing, maintenance and government aviation and aerospace organizations.

The *Technical Services Management* option builds on an individual's technical experience in aircraft maintenance or avionics to prepare the students for management positions in all segments of the industry. Twenty-five hours of technical training may be credited toward this option if received from an accredited institution.

The *Aerospace Security* option prepares students for careers in homeland defense and aerospace security fields. Employment opportunities include law enforcement, governmental agencies, airports, and private industry that deal with aerospace security operations.

The *Aerospace Logistics* option prepares students to work in the aerospace logistics sector. Employment opportunities include positions with military and civilian maintenance, repair and overhaul (MRO) facilities worldwide as well as any aerospace organization involved in supply-chain management activities.

The *Aviation and Space Program* has an extensive industry-based management internship program established with aerospace industries, major and regional air carriers and a variety of other companies within the aerospace industry.

The AVED Program is also an institutional member of University Aviation Association (UAA). AVED website (<https://education.okstate.edu/aado/>)

Educational Leadership

Kathy Curry, EdD—Associate Professor and Program Coordinator (School Administration)

Educational leadership emphasizes the important role of leadership in all areas of education including PK-12 schools and workforce development. The PhD in Educational Leadership and Policy Studies is offered with options in Educational Administration and Higher Education; the Doctorate in Education (EdD) is offered in School Administration; and the Education Specialist (EdS) in Education has an option in School Administration. The Master of Science degree is offered with an option in School Administration (a 36-hour program designed for those who aspire to the principalship). Students holding a related masters degree and teacher certification may add on principal certification through coursework and institutional recommendation. The program also offers graduate certificate programs in district level leadership, building level leadership, and workforce and adult education. These certificates incorporate courses that partially fulfill superintendent and principal state licensure requirements. Admissions to the graduate programs in Educational Leadership are competitive and based on multiple factors. EDLE website (<https://education.okstate.edu/scad/>)

Educational Technology

Susan Stansberry, PhD—Professor and Program Coordinator

The mission of Oklahoma State University's Educational Technology program is to facilitate the growth of scholars and educational technology professionals through rigorous programs of study that provide exceptional hands-on, collaborative, and innovative learning, research and service experiences and are highly regarded at the international, national, state and university levels. The program website, edtech.okstate.edu (<http://edtech.okstate.edu/>), offers greater detail. Programs/certifications include: MS in Educational Technology with options in Educational Technology and School Library Media, PhD in Education with an option in Educational Technology, Graduate Certificate in Online Teaching, and Certification in School Library Media. This program is also home to the Emerging Technologies and Creativity Research Lab (<https://edtech.okstate.edu/techplayground/>). EDTC website (<http://edtech.okstate.edu>)

Educational Psychology

Mike Yough, PhD—Associate Professor and Program Coordinator

Educational Psychology is the study of human learning, development, and motivation in educational settings. Educational psychologists are concerned with understanding how environments are structured to promote cognitive, personal and social development broadly as well as learning motivation. The role of Educational Psychology is to bring together theory and research from psychology and related disciplines in order to facilitate healthy human development and effective learning and teaching. Our PhD program is designed to prepare graduates to teach in college or university settings, public education, and/or to do research in university, business, and government settings. The MS program is

designed to help students develop the capabilities, knowledge, skills and competencies that prepare them as effective professionals or attractive PhD program applicants. EPSY website (<https://education.okstate.edu/epsy/>)

Research, Evaluation, Measurement and Statistics

Jam Khojasteh, PhD—Associate Professor and Program Coordinator

The Research, Evaluation, Measurement and Statistics program (see website) offers the MS and PhD degrees as options under the MS in Educational Psychology and the PhD in Educational Psychology as well as three graduate certificates: 1) Program Evaluation, 2) Educational & Psychological Measurement, and 3) Statistical Methods & Analysis in Education & Behavioral Sciences. The MS program prepares students to function as staff members in research and evaluation units in school districts, governmental agencies, and private corporations and foundations. Graduates of the doctoral program are prepared to serve as college or university professors, directors of research and evaluation for public schools and universities, researchers for funded projects, state department of education consultants, and professional employees for test publishers and local, state and federal government agencies. This program is also home to the Center for Educational Research and Evaluation (<https://education.okstate.edu/cere/>). REMS website (<https://education.okstate.edu/rems/>)

Higher Education and Student Affairs

Kerri S. Kearney, MBA, EdD— Professor and Program Coordinator

The Higher Education and Student Affairs (HESA) program features three distinct academic degrees. These include the PhD in Educational Leadership and Policy Studies, with an option in Higher Education and the MS in Educational Leadership and Policy Studies with options in Higher Education and College Student Development. The PhD is a research-based degree that prepares individuals for leadership as faculty, administrators, or policy analysts. In addition, two Master of Science degrees are offered. The MS options prepare individuals for leadership positions in all levels in higher education or leadership positions in student affairs. Admission to HESA graduate programs is competitive and based on multiple considerations. HESA website (<https://education.okstate.edu/hesa/>)

Social Foundations

Guoping Zhao, PhD—Professor and Program Coordinator

Social foundations of education is an interdisciplinary study of schooling and other forms of education. Ever since it began during the 1930s at Teachers College of Columbia University, social foundations has brought together scholars who situate education in historical, philosophical, economic and social contexts. Using the tools of the humanities and the social sciences, social foundations scholars ask perennial questions, such as: What is the purpose of schooling in a democracy? What knowledge and values should be taught and to whose benefit? How are issues of race, ethnicity, social class, gender and ability manifested in schools?

Drawing from history, philosophy, sociology, anthropology, international studies and other disciplines to teach their courses, faculty in the social foundations program area ask that educators reflect critically on the social and cultural dynamics in educational settings and how policy and practices might be improved. Students from other human service

professions and other disciplines are invited to make similar use of the content of these courses for their professional practice. SCFD website (<https://education.okstate.edu/scfd/>)

Programs/Options Degrees

Degrees offered through SEFLA programs include Bachelor of Science (BS), Master of Science (MS), Education Specialist (EdS), Doctor of Education (EdD) and Doctor of Philosophy (PhD).

Five programs are delivered fully online: MS Aviation and Space, MS Educational Technology, MS Educational Psychology (Educational Psychology option), MS Educational Leadership and Policy Studies (Higher Education option), and Graduate Certificate in Online Teaching.

Aviation and Space

- Aviation and Space – MS
- Aerospace Administration and Operations
 - Professional Pilot – BS
 - Aviation Management – BS
 - Aerospace Security – BS
 - Aerospace Logistics – BS
 - Technical Service Management – BS
- Applied Educational Studies/Aviation and Space Specialization – EdD

Educational Leadership

- Educational Leadership Studies/School Administration – MS
- Education/Educational Administration – EdS
- School Administration – EdD
- Educational Leadership and Policy Studies/Educational Administration – PhD
- Graduate Certificate (GRCT) in Building Level Leadership
- Graduate Certificate (GRCT) in District Level Certificate
- Graduate Certificate (GRCT) in Workforce and Adult Education

Educational Technology

- Educational Technology
 - Educational Technology – MS
 - School Library Media – MS
- Online Teaching – Graduate Certificate
- School Library Certification – Graduate Certificate
- Education/Educational Technology – PhD

Educational Psychology

- Educational Psychology – MS, PhD

Higher Education and Student Affairs

- Educational Leadership Studies
 - Higher Education – MS
 - College Student Development – MS
- Educational Leadership and Policy Studies/Higher Education – PhD

Research, Evaluation, Measurement and Statistics

- Educational Psychology/Research, Evaluation, Measurement and Statistics – MS
- Educational Psychology/Research, Evaluation, Measurement and Statistics – PhD

Social Foundations

- Social Foundations of Education – MA
- PhD in Education/Social Foundations – PhD

Courses

AVED 1114 Theory of Flight

Description: Private pilot ground school. Course includes theory of flight, principles of navigation, meteorology, and Federal Aviation Regulations. Preparation for FAA private pilot computer-based knowledge exam. Previously offered as AVED 1113.

Credit hours: 4

Contact hours: Lecture: 4 Contact: 4

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 1210 Private Flight Laboratory 1A

Description: Flight lab for beginning pilots. Course contains first part of FAA Private Pilot Certification. Training conducted under 14 CFR 141. Offered for variable credit, 1-2 credit hours, maximum of 2 credit hours. May not be used for degree credit with AVED 1222.

Credit hours: 1-2

Contact hours: Contact: 1-2 Other: 1-2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 1222 Private Flight Laboratory I

Description: Flight lab for beginning pilots. Course contains first part of FAA Private Pilot Certification. Training conducted under 14 CFR 141. Course previously offered as AVED 1221.

Credit hours: 2

Contact hours: Contact: 2 Other: 2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

Additional Fees: AVSED fee of \$350 applies.

AVED 1230 Private Flight Laboratory 2A

Prerequisites: AVED 1222 or AVED 1210

Description: Flight lab for beginning pilots part two. Course contains second part of FAA private pilot certification. Training conducted under 14 CFR. Offered for variable credit, 1-2 credit hours, maximum of 2 credit hours. May not be used for degree credit with AVED 1232.

Credit hours: 1-2

Contact hours: Contact: 1-2 Other: 1-2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 1232 Private Flight Laboratory II

Prerequisites: AVED 1222.

Description: Course contains second part of FAA Private Pilot Certification. Training conducted under 14 CFR 141.

Credit hours: 2

Contact hours: Contact: 2 Other: 2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

Additional Fees: AVSED fee of \$350 applies.

AVED 1403 Advanced Theory of Flight

Prerequisites: AVED 1114 and passed FAA Private Pilot Examination.
Description: Advanced navigation, aircraft performance and meteorology, and introduction to crew resource management.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Undergraduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

AVED 2112 Secondary Flight (H)

Credit hours: 2
Contact hours: Lecture: 2 Contact: 2
Levels: Undergraduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation
General Education and other Course Attributes: Humanities

AVED 2120 Intermediate Flight Laboratory 1A

Prerequisites: AVED 2133 or AVED 2130.
Description: Professional Pilot Course emphasizing IFR cross country operations. Flight instruction conducted under Part 141. Offered for variable credit, 1-2 credit hours, maximum of 2 credit hours. May not be used for degree credit with AVED 2122. Special fee required.
Credit hours: 1-2
Contact hours: Contact: 1-2 Other: 1-2
Levels: Undergraduate
Schedule types: Independent Study
Department/School: Educ Found Leadersh & Aviation

AVED 2122 Intermediate Flight Lab

Prerequisites: AVED 2133.
Description: Professional Pilot Course emphasizing IFR cross country operations. Flight instruction conducted under FAR Part 141. Special fee required.
Credit hours: 2
Contact hours: Contact: 2 Other: 2
Levels: Undergraduate
Schedule types: Independent Study
Department/School: Educ Found Leadersh & Aviation
Additional Fees: AVSED fee of \$350 applies.

AVED 2130 Instrument Flight Laboratory 1A

Prerequisites: AVED 1222 or AVED 1210, and AVED 1232 or AVED 1230.
Description: Professional Pilot Course required for FAA instrument rating. Flight instruction conducted under FAR Part 141. Offered for variable credit, 1-3 credit hours, maximum of 3 credit hours. May not be used for degree credit with AVED 2133.
Credit hours: 1-3
Contact hours: Contact: 1-3 Other: 1-3
Levels: Undergraduate
Schedule types: Independent Study
Department/School: Educ Found Leadersh & Aviation

AVED 2131 Conventional Landing Gear Systems

Prerequisites: AVED 1232 Primary Flight Lab II.
Description: Course provides the knowledge and practical experience required to demonstrate proficiency in conventional landing gear configured aircraft. Completion of this course will endorse the student under Federal Regulation Part 61 for Pilot-In-Command operation for Tail Wheel aircraft. Requires flight instruction conducted under FAA FAR Part 141.
Credit hours: 1
Contact hours: Contact: 1 Other: 1
Levels: Undergraduate
Schedule types: Independent Study
Department/School: Educ Found Leadersh & Aviation

AVED 2133 Instrument Flight Laboratory

Prerequisites: AVED 1222 and AVED 1232.
Description: Professional Pilot Course required for FAA instrument rating. Flight instruction conducted under FAR Part 141. Previously offered as AVED 2132.
Credit hours: 3
Contact hours: Contact: 3 Other: 3
Levels: Undergraduate
Schedule types: Independent Study
Department/School: Educ Found Leadersh & Aviation

AVED 2140 Commercial Maneuvers Flight Laboratory 1A

Prerequisites: AVED 2122 or AVED 2120.
Description: Professional Pilot Course emphasizing Commercial practical test maneuvers. Flight instruction conducted under Part 141. Offered for variable credit, 1-2 credit hours, maximum of 2 credit hours. May not be used for degree credit with AVED 2142.
Credit hours: 1-2
Contact hours: Contact: 1-2 Other: 1-2
Levels: Undergraduate
Schedule types: Independent Study
Department/School: Educ Found Leadersh & Aviation

AVED 2142 Commercial Maneuvers Flight Lab

Prerequisites: AVED 2122.
Description: Professional Pilot Course emphasizing Commercial practical test maneuvers. Flight instruction conducted under FAR Part 141.
Credit hours: 2
Contact hours: Contact: 2 Other: 2
Levels: Undergraduate
Schedule types: Independent Study
Department/School: Educ Found Leadersh & Aviation
Additional Fees: AVSED fee of \$350 applies.

AVED 2213 Theory of Instrument Flight

Prerequisites: AVED 1403.
Description: Instrument flight rules, the air traffic system and procedures, the elements of forecasting weather trends. Preparation for FAA instrument computer-based knowledge exam. Previously offered as AVED 2214.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Undergraduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

AVED 2313 Theory of Commercial Flight

Prerequisites: Passed Private Pilot Knowledge Exam.

Description: Advanced aircraft systems, aerodynamics, federal aviation regulations, airports and airspace, navigation, and performance. Preparation for FAA Commercial Pilot Written Examination.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 2513 Aviation Career Planning and Development

Description: Assessment of career interests and aviation job opportunities that match those interests. Development of an academic and career learning and development plan consistent with identified interests.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3113 History of Aviation

Description: History of aviation from its early developments to the present. Historic events and the role of government as they relate to the evolution of the regulatory infrastructure of the aviation industry. Previously offered as AVED 2113.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3231 Theory of Multi-Engine Flight

Prerequisites: Private Pilot Certificate.

Description: Aeronautical theory and information required for operating the multi-engine airplane safely, efficiently and within its specified limitations. Emphasis on aerodynamics and multi-engine emergencies.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3243 Human Factors in Aviation

Description: The study of people interacting with the aviation environment. Individual and group performance, equipment design, physical environment and procedure development.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3333 Advanced Aircraft Systems

Prerequisites: AVED 2313.

Description: Professional Pilot Course emphasizing multiengine operations, including Commercial certification with Multiengine Rating. Flight instruction conducted under FAR Part 141. Special fee required.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3341 Multi-Engine Flight Laboratory

Prerequisites: AVED 2142.

Description: Professional Pilot Course emphasizing multiengine operations, including Commercial certification with Multiengine Rating. Flight instruction conducted under FAR Part 141.

Credit hours: 1

Contact hours: Contact: 1 Other: 1

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 3433 Aviation/Aerospace Ethics

Description: Ethical decision-making as applied to the aviation and aerospace industry, an industry with narrow tolerance for error in terms of human life and economic impact. Awareness of aviation ethical issues and associated decision-making skills.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3443 Aviation Legal and Regulatory Issues

Description: Insight pertinent to federal governing bodies in addition to local and international laws forming the present structure of aviation law. Practices and pitfalls in aviation activities and a basic legal research capability.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3453 Aviation/Aerospace Security Issues

Description: Analysis of the legal and regulatory responses to changing threats to aerospace security. Review of technological solutions for airports and aircraft.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3463 Aerospace Maintenance and Safety

Description: Identification and management of the human errors encountered in all aspects of aircraft maintenance operations. Case studies of maintenance-related accidents: line, hangar, and overhaul maintenance. The role of quality control and quality assurance are also examined as tools in reducing maintenance error.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3473 OSHA for Aerospace Managers

Description: Occupational safety and health requirements within the aerospace industry. History of OSHA, OSHA regulations relative to aerospace organizations along with recent inspection results and published violations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3483 Airport Passenger and Baggage Screening

Description: The history of airport security, the laws and agencies tasked with aviation security and the passenger and baggage screening technologies currently in use or being tested in airports. The role of technology in the aviation layered security program will be discussed.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3493 Analysis of Aviation Security Countermeasures

Description: A comprehensive approach to identification and analysis of security countermeasures in the Aviation industry.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3513 Aviation/Aerospace Management Principles

Description: Managing the major elements of the aviation/aerospace industry, including aircraft manufacturing and air transportation system.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3523 Airport Planning and Management

Description: Overview of the major functions of airport management, including master planning. Study of the socio-economic effects of airports on the communities they serve.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3533 Aircraft Turbine Engine Operation

Description: Principles of physics and gas laws pertaining to turbine powered aircraft operation. Turbine power plant systems theory with emphasis on safe and efficient operation of turbine powered aircraft.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3543 Aerospace Organizational Communications

Description: Aerospace communication to aid aviation students in proper use of written and verbal skills needed in various aerospace leadership roles.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3563 Aviation Marketing

Description: Marketing aviation products for the major elements of the aviation industry.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3573 Aviation/Aerospace Finance

Description: Financing the major elements of the aerospace industry, including general aviation, aircraft manufacturing and airports.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3623 Airport Network Security

Description: Comprehensive evaluation of the airport network landscape to include evaluation and mitigation of potential threats to the overall airport environment.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3663 Aerospace and Air Carrier Industry

Description: Broad understanding of the air transportation industry and an in-depth knowledge of the organizational structures, managerial functions and operational aspects of today's major, national, and regional air carriers. Historical perspectives, regulators and associations, economic characteristics, labor relations and marketing of modern air carriers.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3773 Underrepresented Populations in Aviation and Space (D)

Description: This course will identify the current issues facing the aviation and aerospace industry, and why inclusiveness within the industry matters even more today, as well as in the future. Explore the numerous struggles that underrepresented populations overcame to achieve their successes; and examine the many contributions that underrepresented populations made to the U.S. aviation and aerospace industry.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

General Education and other Course Attributes: Diversity

AVED 3883 Space Flight

Description: A broad understanding and an in-depth knowledge of space flight and exploration of outer space. Emphasis will be placed on a thorough historical review and examination of the types of people and technological advancements involved in space exploration and flight.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3913 Planetary Sciences

Description: A grand tour of the classical planets, minor planets, moons, asteroids, comets, the Sun and more. The course will cover the physical sciences utilized within the greater field of planetary sciences (e.g. Earth sciences, chemistry, physics, astronomy, and biology) in order to aid students' learning of course material. Within the grand tour, focus will be placed on major scientific results of telescopic and spacecraft missions, as well as laboratory and field measurements.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3993 Aviation/Aerospace Supply Chain Management

Description: Management of aviation/aerospace supply chain processes and performance. Encompass the processes associated with the production of goods and services, including the movement of raw materials, inventory, and finished products. Introduce a variety of industry examples and cases related to aviation/aerospace domestic and global demand-driven supply chains to understand and evaluate the vital role of supply chain management.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4100 Specialized Studies in Aviation

Description: Independent studies, seminars, and training within selected areas of aviation. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 4103 Aerospace Distribution, Warehousing and Transportation

Description: Aerospace logistics concepts and the management of aerospace distribution activities ranging from top management planning to warehousing and shipping.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4113 Aviation Safety

Description: Flight safety including studies in human factors, weather, aircraft crashworthiness, accident investigation, and aviation safety programs. Elements of aviation safety and flight operations (private flying, flight instruction, and business flying) and commercial aviation.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4123 Aerospace Depot Maintenance

Description: Aerospace depot maintenance operational and budget issues related to Economic Order Quality, Materials Requirement Planning, Benefit Cost Analysis, repair expenditures, fleet flight hours, transport modules, handling, shipping and other activities.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4133 Principles of Flight Instruction

Description: Preparation for the FAA Fundamentals of Instructing and Flight Instructor Knowledge Exams, as well as preparation for the CFI Initial Practical Test.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4143 Government Operations and Interfaces in Aerospace Management

Description: Government and its impact on aerospace management decisions related to logistics, inventory management, production, and operations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4153 Aerospace Sustainment

Prerequisites: Senior standing.

Description: A capstone course requiring application of all elements of the supply-chain management process to an aerospace organizational problem or project.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4163 FAA and Aerospace Logistics Regulations and Requirements

Description: Government regulations and requirements and the impact of those requirements on the aerospace supply chain management processes using case scenarios related to logistics, aviation, operations, procurement and the environment.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4173 Aerospace Logistics Quality Programs

Description: Logistics quality programs, including TQM, Kaizen, Lean, Six Sigma, and ISO 9000 in aerospace organizations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4193 Aerospace Human Resource Management and Aerospace Workforce Acquisition

Description: Workforce planning techniques to strengthen knowledge retention practices within the aerospace industry.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4200 Internship in Aviation

Description: Individually supervised internship in aviation career areas. Directed field experience related to the participant's area of concentration. Offered for variable credit, 1-12 credit hours, maximum of 12 credit hours.

Credit hours: 1-12

Contact hours: Contact: 1-12 Other: 1-12

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 4223 Turbine Aircraft Transition

Prerequisites: AVED 3341, AVED 3333, AVED 4353 and AVED 4703.

Description: Fundamental flight and operating procedures of turbine engine aircraft.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4230 Flight Instructor Flight Laboratory 1A

Prerequisites: AVED 2142 or AVED 2140, and AVED 4133.

Description: Dual flight instruction to meet the requirements for the FAA flight instructor: airplane certificate. Flight instruction conducted under FAR Part 141. Offered for variable credit, 1-2 credit hours, maximum of 2 credit hours. May not be used for degree credit with AVED 4232. Special fee required.

Credit hours: 1-2

Contact hours: Contact: 1-2 Other: 1-2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 4232 Flight Instructor: Airplane Flight Laboratory

Prerequisites: AVED 2142, AVED 4133.

Description: Dual flight instruction to meet the requirements for the FAA flight instructor: airplane certificate. Flight instruction conducted under FAR Part 141. Previously offered as AVED 4231.

Credit hours: 2

Contact hours: Contact: 2 Other: 2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

Additional Fees: AVSED fee of \$350 applies.

AVED 4303 Aviation Weather

Prerequisites: GEOG 3033.

Description: Familiarization with weather products needed to enhance flight safety.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4331 Flight Instructor: Instrument Flight Laboratory

Prerequisites: AVED 4232.

Description: Dual flight instruction to meet the requirements of adding an instrument flight instructor rating to the flight instructor certificate. Flight instruction conducted under FAR Part 141.

Credit hours: 1

Contact hours: Contact: 1 Other: 1

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

Additional Fees: AVSED fee of \$260 applies.

AVED 4333 Advanced Aircraft Performance

Description: A study of advanced aircraft performance including appropriate physical laws, atmospheric properties and power plant technology.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4343 Geospatial Technologies for Aerospace Managers

Description: Using geographic information systems (GIS) and other geospatial technologies to effectively manage airports, including project management, maintenance, safety and security, noise and obstruction management, and environmental management.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4353 Cockpit Automation

Prerequisites: AVED 2133.

Description: A study of aircraft "glass cockpits", including performance management, navigation and guidance, automatic flight control, flight instrument displays, and crew advisory and warning.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4413 Aviation Terrorism and Asymmetrical Warfare

Description: Origins of modern terrorism and asymmetrical warfare as it related to current aviation security issues. A historical perspective to the headlines of today providing an understanding needed in making future security decisions.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4423 Aviation Security Organizations and Law

Description: Understanding how security systems and law are organized and managed. Problems facing security management, including recruiting, screening, and hiring of security personnel. Problems associated with 24/7 operations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4433 Airport Safety Inspections

Description: Safety requirements of U.S. general aviation airports. Elements of the 5010 airport inspection program, FAA advisory circulars, and other pertinent documents.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4513 Aviation Operations Management

Prerequisites: AVED 3513 and AVED 3573.

Description: Application of operational management theory and practices within the aviation/aerospace industries.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4523 Airport Certified Member Preparation

Prerequisites: AVED 3523.

Description: Course focus is to earn knowledge necessary to successfully complete the AAAC Certified Member (CM) designation examination. Comprehensive evaluation of airport management and leadership issues to include administration, air service development, construction, finance, legislative affairs, maintenance, marketing and communications, operations, planning, and security.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4571 FFA Airplane Single Engine Sea

Prerequisites: AVED 2313, FAA COMM ASEL.

Description: Course provides the knowledge and practical experience required to pass a COMMERCIAL Single Engine Sea (ASES) FAA practical examination to add the ASES rating to an existing COMMERCIAL Single Engine Land (ASEL) license. Requires flight instruction under FAA FAR Part 141.

Credit hours: 1

Contact hours: Contact: 1 Other: 1

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 4643 Aviation Navigation Global Positioning Systems

Description: Overview of the theory and operation of the GPS in the private and public sector.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4653 International Aerospace Issues (I)

Description: Fundamental knowledge, comprehension and abilities to apply, analyze, synthesize and evaluate international aerospace issues, including trends in security, safety, technology, and organizations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

General Education and other Course Attributes: International Dimension

AVED 4663 Aerospace Leadership

Description: Leadership theories and practices applicable to the aerospace environment and the types of leadership skills required for 21st Century aerospace organizational leaders.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4703 Crew Resource Management

Prerequisites: AVED 2133 and AVED 2142.

Description: Discovering how resource management applies to crew behavior in aviation. Special emphasis on decision-making, judgment, teamwork, stress management, situation awareness, leadership, and workload management.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4713 Unmanned Aircraft Pilot Laboratory

Prerequisites: AVED 1114.

Description: Aeronautical theory, information and piloting skills will be utilized for operating an unmanned aircraft safely, efficiently and within its specified limitations. Classroom and laboratory experiences are designed for the students to gain the necessary skills to operate an unmanned aircraft safely.

Credit hours: 3

Contact hours: Lab: 6 Contact: 6

Levels: Undergraduate

Schedule types: Lab

Department/School: Educ Found Leadersh & Aviation

AVED 4771 Flight Instructor: Multi-Engine Flight Laboratory

Prerequisites: AVED 4232.

Description: Dual flight instruction to meet the requirement for adding a multi-engine flight instructor rating to the flight instructor certificate. Flight instruction conducted under FAR Part 141. Special fee required.

Credit hours: 1

Contact hours: Contact: 1 Other: 1

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

Additional Fees: AVSED fee of \$260 applies.

AVED 4813 Air Transportation Compliance

Description: Regulatory requirements in the management of air transportation and logistics operations including the shipment of hazardous materials in domestic and international transport, U.S. Customs import/export compliance, and Transportation Safety Administration (TSA) requirements.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4883 Capstone Course in Aviation Management

Prerequisites: Aviation Management major with senior status.

Description: Applies knowledge and issues obtained in prior aviation courses.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4943 Basic Aircraft Accident Investigation

Description: A study of statutes, regulations and regulatory agency requirements that influence aircraft accident investigation.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4953 Corporate and General Aviation Management

Description: Study of management principles and practices of corporate and general aviation. Equipment acquisition, legal requirements, government regulations, flight operations, aircraft maintenance, management and investment decision-making.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4963 Airport Design

Description: Overview of airport planning and development parameters, airport design considerations, economic impact of airport development, and a global examination of airport expansion projects.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4983 Aerospace Industry Hazardous Materials or Dangerous Goods

Description: Regulatory requirements and compliance issues in managing aerospace industry hazardous materials and dangerous goods.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4990 Pilot Proficiency Flight

Description: Required for students entering the aviation education program who possess all FAA certificates/ratings required for the aviation sciences degree. Offered for variable credit, 1-2 credit hours, maximum of 4 credit hours.

Credit hours: 1-2

Contact hours: Contact: 1-2 Other: 1-2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 4993 Aviation Labor Relations

Description: Aviation industry laws, regulations, and procedures for management and organized labor from historical through current perspectives. Focus on economic, legal, political, and public policy factors in aviation.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5000 Master's Report or Thesis

Prerequisites: Consent of adviser.

Description: Students studying for a master's degree enroll in this course for a total of 3 credit hours if writing a report or 6 hours if writing a thesis. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 5020 Seminar in Aerospace Education

Prerequisites: Consent of instructor.

Description: Individual research problems in aerospace education. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 5053 Guided Reading and Research

Prerequisites: Consent of instructor.

Description: Guidance in reading and research required for the MS in aviation and space program.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5103 Aviation Career Development

Description: Aviation career development in private and public aviation organizations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5113 Aerospace Safety Programs

Prerequisites: AVED 4113.

Description: A detailed examination of risk management and accident prevention in the aerospace industry. Organization and operation of safety programs including OSHA requirements, performance measurements, cost analysis, and systems safety analysis.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5153 Capstone in Aerospace Research

Prerequisites: AVED 5053.

Description: The final culminating project intended to be an in-depth application of the knowledge and skills acquired from the MS Aerospace Education curriculum.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5200 Graduate Internship in Aviation and Space

Description: Directed field experiences in aerospace education for master's students. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 5203 Aeromedical Factors

Prerequisites: AVED 3243.

Description: The study of aeromedical factors that influence pilot performance. The study of life support equipment designed to increase aviation safety.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5303 Aviation and Space Quality Issues

Description: A study of the practice and research involved in implementing aviation and space quality issues.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5333 Aircraft Performance

Description: Operational flight performance issues, especially transition from propeller-driven to jet aircraft. Use of flight simulation software to determine optimal speeds for climb, descent, range and maximum endurance of a specific aircraft model.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5363 Aircraft Systems

Description: Flight management systems, data exchange busses, computerized flight control systems, airframe environmental systems, electrical, pressurization, fuel and icing. Earlier generation aircraft systems contrasted with modern aircraft systems.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5403 Passenger Screening Technology

Description: Understanding of the technologies currently in use or being tested in airports. Passenger screening technologies and their role in establishing a layered security program.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5413 Landside Security Technologies

Description: Technologies available for protecting the landside of the airport. Access control systems, blast protection and mitigation planning, perimeter security technologies and biometric technologies.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5423 Security Planning Audits and NIMS

Description: The management of a security program. Written security plans, security audits, emergency management, and the National Incident Management System.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5433 General Aviation and Cargo Security

Description: Overview of airport operations: regulatory history of air transportation, aviation forecasting, capacity and delay issues at airports, environmental issues, airport emergency procedures and aircraft rescue and fire-fighting, and airport system and master planning.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5443 International Aviation Security

Description: Civil aviation security structure required of all airports and airlines engaged in international civil aviation operations. Focuses on the requirements of the International Civil Aviation Organization, specifically ICAO Annex 17.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5453 Advanced Aviation Security

Prerequisites: Graduate standing.

Description: In-depth look at aviation security. Development of a greater understanding of problems associated with maintaining a secure aviation transportation industry. Familiarity with the history of attacks against aircraft, airports and other aviation facilities.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5463 Aerospace Risk Assessment

Description: The risks, threats, and vulnerabilities associated with aviation/aerospace assets, and associated decision-making processes. Risk management principles and utilizing cost-benefit analysis and other tools and methodologies applicable to aviation and aerospace challenges.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5473 Aerospace Education and Training Effectiveness

Description: Curriculum design and instructional effectiveness for aviation/aerospace educators and training professionals.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5543 Advanced Aerospace Communications

Description: Interdisciplinary area of study drawing from previous knowledge and experience in effective management and leadership communication to meet the unique demands of the field of aviation. A broad range of academic disciplines and technical experience guiding aviation professionals in the refinement of personal, team and organizational communications.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5553 Aerospace Proposal and Procurement

Description: Analysis of aerospace proposal writing and federal grant development including the basics of government acquisition and procurement.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5563 Aerospace Leadership and Management

Description: Introductory course on leadership and management issues in the highly volatile aerospace environment. Introduction to management and leadership theory of the past, and exploration of the aviation environment of the future.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5573 Aerospace Defense Acquisition

Description: Analysis of the Department of Defense (DoD) acquisition process, including the basics of acquisition management and the life cycle of a defense contract from inception to disposal. Phases of acquisition include: concept exploration, development, production, fielding and deployment.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5593 Influencing Public Policy in the Aerospace Industry

Description: The aerospace legislative process, researching draft legislation, tracking state and federal legislation, communicating with legislators identifying the fiscal impact and benefits.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5663 Issues in the Airline/Aerospace Industry

Description: The components, participants, activities, characteristics, scope and economic significance of the air carrier industry and its major segments. The effects of regulation, competition, marketing, manufacturing and environmental control.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5720 Current Issues in Aerospace Education

Prerequisites: Consent of instructor.

Description: Current issues in aerospace education. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 5773 Historical Significance of Aviation

Description: Humankind's attempt to conquer the skies from the earliest accomplishments in aviation to the aircraft of tomorrow. Profiles the way people, technology, and events have shaped the modern world of aviation.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5783 History of Human Space Flight

Description: A historical view of human space flight starting in the 1950s with the Space Race to the early 2010s when the Space Shuttle was retired. Topics span the start of the Space Race, JFK's charge to put a human on the Moon, the Mercury, Gemini, and Apollo programs, space stations (with a focus on the International Space Station), and the Space Shuttle program. Emphasis will be placed on an examination of the people and technological advancements involved in space flight.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5793 Future of Space Flight

Description: An examination of NASA's and other space agencies' plans for future space flight, including both human missions and robotic missions. Includes an overview of commercial space flight, its beginnings and current endeavors, as well as theoretical examination of the logistical issues regarding the colonization of the Moon, Mars, or other planetary bodies. Emphasis will be placed on an examination of the people and technological advancements needed for future space flights.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5813 Earth Observation Systems

Prerequisites: GEOG 4333.

Description: A study of systems orbiting earth that collect data on the land and atmosphere.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5823 Space Science

Description: A study of the sun, inner and outer planets, asteroid belt, space probe exploration, orbital mechanics and missions.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5850 Directed Readings in Aerospace Education

Prerequisites: Consent of instructor.

Description: Directed studies in aerospace education. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 5883 Aviation Economics

Description: The economic significance of the air carrier industry and its major segments. The effects of regulation, competition, schedules, marketing and environmental control.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5893 Aerospace Executive Decision Making

Description: Application of concepts and lessons of executive decision leadership within the context of the aerospace environment. Utilization of problem solving skills and leadership lessons of the 21st century aerospace leader.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5910 Practicum in Aerospace Education

Prerequisites: Consent of instructor.

Description: Directed observation and supervised clinical experiences in aerospace education. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 5953 Labor Relations in Aviation and Aerospace

Description: Labor laws, regulations, and labor-management relations in the U.S. aviation and aerospace industry, underlying the air carriers, public airport infrastructure, and related government employers.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5963 Airport Operations

Prerequisites: Graduate standing.

Description: Extensive overview of airport operations. Familiarity with the regulatory history of air transportation, airports, the Federal Aviation Administration, and the Transportation Security Agency. Introduction to a wide variety of organizational structures found at U.S. airports.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5973 Aerospace Law

Description: Study of the legal system as it relates to aerospace law and governance of the aviation industry. Previously offered as AVED 4973.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5993 Ethics in Aviation

Description: Learning how to protect vital interests and maintain ethical control in highly regulated environments.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6000 Doctoral Thesis

Description: Required of all candidates for the EdD in applied educational studies. Credit awarded upon completion of the thesis. Offered for variable credit, 1-15 credit hours, maximum of 15 credit hours.

Credit hours: 1-15

Contact hours: Contact: 1-15 Other: 1-15

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 6103 Doctoral Seminar in Aerospace Education

Description: Individual research problems in aerospace education.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6203 Aviation Physiology

Prerequisites: AVED 5203 or equivalent.

Description: The study of the complexities of pilot performance as it relates to human physiology, human factors and aviation safety.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6303 The Application of Qualitative Methods in Aviation Research

Description: An examination of the application of qualitative research methodologies and associated field work with an emphasis in aviation and aerospace.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6313 Administration of Aviation Institutions

Description: A study of the organization and administration of public and private aviation institutions. Study of the impact of economic and governmental system on these institutions.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6413 Development of Air and Space Flight

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6423 Certification of Airplanes

Description: A study of the practices and research involved in the certification of airplanes.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6443 Certification of Rotorcraft

Description: A study of the practices and research involved in the certification of rotorcraft.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6553 Foundations of Airline Executive Leadership

Description: History of airline leaders who had a significant impact on the U.S. air transportation industry.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6613 Aviation Executive Development

Description: A study of the styles of aviation executives in private and public aviation organizations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6773 Applied Aviation and Space Research

Prerequisites: Consent of instructor and approval of student's advisory committee.

Description: Action research topics in aviation and space identified by the aerospace industry with emphasis upon publications in aviation and space refereed journals and trade publications. Previously offered as AVED 6774.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6883 Doctoral Internship in Aviation and Space

Prerequisites: Consent and approval of student's advisory committee.

Description: Directed field experiences in aerospace education for doctoral students. Previously offered as AVED 6880.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6943 Aviation Regulatory Law

Description: A study of the practical application and research of the FAA regulatory process and associated case law.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6963 Advanced Aircraft Accident Investigation

Prerequisites: AVED 4943.

Description: Application and practice of the different statutes, regulations, and regulatory agency requirements that influence aircraft accident investigations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 5000 Thesis Or Report

Prerequisites: Consent of instructor.

Description: Master's students may earn up to two hours of credit for a report or six hours of credit for a thesis. Students working on a specialist's report may earn a maximum of 10 hours of credit. Previously offered as EAHE 5000. Offered for variable credit, 1-10 credit hours, maximum of 10 credit hours.

Credit hours: 1-10

Contact hours: Contact: 1-10 Other: 1-10

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EDLE 5253 The Principalship

Prerequisites: 5000-level course in school administration or equivalent.

Description: Strategies, techniques and solutions used by the principal in the administration and leadership of a public school. Previously offered as EDLE 6253.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 5323 School Finance

Description: Development of conceptual bases in economics of education, taxation, distribution systems, policy analysis; application to Oklahoma school finance; and introduction to budget development. Previously offered as EDLE 6323.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 5473 Supervision of Instruction

Description: Application of modern approaches to instructional supervision through practice in recording and analyzing teacher behavior in actual classroom settings. Clinical and group methods for improving instruction. Previously offered as EDLE 6473.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 5720 Education Workshop

Description: Analysis of organizational, administrative, and instructional problems by common schools and higher education personnel. Previously offered as EAHE 5720. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-8

Contact hours: Contact: 1-8 Other: 1-8

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EDLE 5723 Education Law

Description: Study of the legal framework of education (constitutional law, case law, and Oklahoma law) with emphases on church-state issues, tort liability, teachers' rights, and student rights.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 5800 Embedded Field Studies Internship

Description: Practicum experiences designed to relate ideas and concepts to problems encountered in educational settings by faculty and administrators.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EDLE 5813 Leadership Theory and Ethical Decision Making

Description: Developing understanding of leadership theory and issues related to decision-making in educational settings. Exploring leadership and decision-making within an ethical context. Previously offered as EAHE 5813.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 5883 Field Studies Internship I

Prerequisites: Consent of instructor.

Description: Directed internship experiences designed to relate ideas and concepts to problems encountered in education by faculty and administrators. Previously offered as EDLE 5880.

Credit hours: 3

Contact hours: Contact: 3 Other: 3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EDLE 5893 Field Studies Intern II

Prerequisites: Consent of instructor.

Description: Directed advance internship experiences designed to relate ideas and concepts to problems encountered in educational organizations by faculty and administrators.

Credit hours: 3

Contact hours: Contact: 3 Other: 3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

Additional Fees: EDLE 5893 fee of \$75 applies.

EDLE 5953 Developing Educational Organizations

Prerequisites: EDLE 5813.

Description: Understanding and critically analyzing conventional and novel approaches to the climate and governance of schools and higher education.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 6000 Doctoral Dissertation

Description: Required of all candidates for the Doctor of Education degree. Credit given upon completion of the thesis. Previously offered as EAHE 6000. Offered for variable credit, 1-15 credit hours, maximum of 15 credit hours.

Credit hours: 1-15

Contact hours: Contact: 1-15 Other: 1-15

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EDLE 6003 Educational Ideas

Description: Decision-making processes used in educational systems and use of modern technologies for curricular enhancement and professional development. Previously offered as EAHE 6003.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 6143 Resources for the Study of Educational Leadership

Description: Introduction to research traditions, tools and processes that are integral to the study of educational leadership.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 6243 Connecting Theory and Practice in Administering Schools

Description: Application of research findings and theoretical concepts to best practice in administering educational organizations. Previously offered as EAHE 6243.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 6343 Problem Solving in School Administration

Description: Identifying and analyzing administrative problems, individually and collectively, in school settings.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 6353 The Superintendency

Description: Integration of theory and practice through examination of roles and responsibilities of the superintendent. Particular emphasis on leadership, communications, and the changing nature of public education. Previously offered as EAHE 6353.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 6363 Special Topics in School Finance Policy

Prerequisites: Admission to the Graduate College and EDLE 5323 or equivalent.

Description: Investigation of problems in education finance policy within the interconnected concepts of liberty, equity, equality, adequacy and efficiency.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 6393 The Human Factor in Administering Schools

Description: Analysis and critique of current issues in school personnel administration such as recruitment, selection, promotion, morale, salary, staff relations and teacher assessment. Previously offered as EAHE 6393.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 6423 The Politics of Education

Description: Activities of schools as they relate to the political environment, e.g., voter behavior, change strategies and community power structures. Previously offered as EDLE 6420.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 6453 Special Topics in Education Law

Description: Analysis and critique of selected topics in school law relating to public school administration. Previously offered as EAHE 6453.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 6483 School Leadership, Culture and Ethics

Prerequisites: Admission to the School Administration doctoral program.

Description: Ethical dilemmas and leadership are explored. Personal ethics are studied in terms of integrity in leadership roles.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 6493 School Improvement/Reform

Prerequisites: Admission to the School Administration doctoral program.

Description: Focus on the theory and practice of school improvement/reform, especially addressing conditions of underachievement and performance gaps among diverse populations. Knowledge and skill related to understanding evaluating, and implementing school improvement/reform practices. Addresses Oklahoma licensure standards related to the provision of effective instructional practices.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 6603 Organizational Theory in Education

Description: Selected organizational typologies, conceptualizations and theoretical frameworks as they relate to organizational behavior and behavior of personnel in organizations. Previously offered as EAHE 6603.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 6633 School Leadership and Community Collaboration

Description: Promoting student success, school mission and goals through collaborating with faculty and community members, responding to diverse community interests and needs, and mobilizing community resources. Previously EDLE 5633.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 6650 Problems in Educational Administration

Description: Special administrative problem in common schools or higher education, e.g., school plant, school/community relations, administration and the instructional programs, attrition and finance. Previously offered as EAHE 6650. Offered for variable credit, 1-4 credit hours, maximum of 8 credit hours.

Credit hours: 1-4

Contact hours: Contact: 1-4 Other: 1-4

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EDLE 6710 Special Problems

Description: Assists administrators with either recurrent or unique problems arising in common schools or in higher education. Emphasizes evaluation and planning related especially to staff, programs and faculty needs. Previously offered as EAHE 6710. Offered for variable credit, 1-4 credit hours, maximum of 8 credit hours.

Credit hours: 1-4

Contact hours: Contact: 1-4 Other: 1-4

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EDLE 6850 Directed Reading

Description: Directed reading for students with graduate standing. Previously offered as EAHE 6850. Offered for variable credit, 1-4 credit hours, maximum of 6 credit hours.

Credit hours: 1-4

Contact hours: Contact: 1-4 Other: 1-4

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EDLE 6853 Research Traditions in Educational Leadership

Description: Educational research design (including literature review, elements of a research proposal, and major research paradigms) supporting the field of School Administration. May not be used for degree credit with HESA 6853.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 6870 Seminar

Description: Topical issues related to administration and/or higher education, including research techniques available to analyze such topics. Previously offered as EAHE 6870. Offered for variable credit, 1-3 credit hours, maximum of 9 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EDLE 6873 Leading Schools with Data

Prerequisites: Graduate standing.

Description: Practical application of decision-making from a systems perspective with a focus on identifying, collecting, organizing, and analyzing school district level data.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDLE 6883 Internship in Education I

Prerequisites: Consent of instructor.

Description: Directed internship experiences designed to relate ideas and concepts to problems encountered in education by faculty and administrators. Previously offered as EDLE 6880.

Credit hours: 3

Contact hours: Contact: 3 Other: 3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EDLE 6893 Internship in Education II

Prerequisites: Consent of instructor.

Description: Field experiences in a variety of educational work settings.

Credit hours: 3

Contact hours: Contact: 3 Other: 3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EDLE 6910 Practicum**Prerequisites:** Consent of instructor.**Description:** Required of all candidates for the Specialist in Education degree. Designed to help the student carry out an acceptable field study or research problem. Credit given upon completion of the written report. Offered for variable credit, 1-5 credit hours, maximum of 9 credit hours.**Credit hours:** 1-5**Contact hours:** Contact: 1-5 Other: 1-5**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Educ Found Leadersh & Aviation**EDTC 3123 Applications of Educational Technologies****Description:** Introduction to the design and development of instruction using educational media and technology in the PK-12 classroom. Materials development, contemporary applications of computers and other electronic systems to instruction. Integration of instructional design, instructional media, and instructional computing. May not be used for degree credit with EDTC 4113. Previously offered as CIED 3122.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**EDTC 4103 Advanced Computing Applications in Education****Description:** In-depth exploration of advanced technology use in teaching and learning environments. Examination of current issues of technology use in instructional settings. May not be used for degree credit with EDTC 5103.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**EDTC 4110 Special Topics in Educational Technology****Description:** Exploration of contemporary problems or issues in educational technology. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.**Credit hours:** 1-3**Contact hours:** Lecture: 1-3 Contact: 1-3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**EDTC 4113 Applications of Media and Technology****Description:** Introduction to the application of media and technology to formal and informal learning situations. Intended for non-professional education majors. May not be used for degree credit with EDTC 3123. Previously offered as CIED 4113.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**EDTC 4223 Introduction to Assistive Technologies****Description:** Introduction to assistive technologies and the application of assistive technologies in formal and informal learning environments.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**EDTC 4503 Facilitating Online Learning****Description:** Students will apply knowledge of pedagogy, instructional design, learning theory, standards for online teaching, online community building and teaching with technology by developing a proposal for an online course in an area of their choosing. May not be used for degree credit with EDTC 5503.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**EDTC 4753 Introduction to Instructional Design****Description:** Introduction to the systematic design of instruction. Topics covered: Analysis, design, development, implementation, and evaluation of instructional materials in a variety of educational settings. Current research, trends and issues in instructional design will be addressed. May not be used for degree credit with EDTC 5753.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**EDTC 4773 Instructional Systems Project Management****Description:** Explore essential elements of successful instructional systems project management by defining a project, identifying essential components, developing the project schedule and budget, and managing project quality and risks. Produce complete design documents for an instructional system, including budget, justification, implementation schedule, and evaluation plan.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**EDTC 5000 Master's Report or Thesis****Prerequisites:** Consent of instructor.**Description:** Students studying for a master's degree enroll in this course for a total of 2 credit hours if they write a report or 6 hours if they write a thesis. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.**Credit hours:** 1-6**Contact hours:** Contact: 1-6 Other: 1-6**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Educ Found Leadersh & Aviation**EDTC 5053 Learning in a Digital Age****Description:** Foundational understanding of digital learning including history, definitions, common assumptions, cultural competence, ethical issues, standards, methods, and models to maximize digital learners' experience in educational and corporate settings.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation

EDTC 5103 Advanced Computing Applications in Education

Description: In-depth exploration of advanced technology use in teaching and learning environments. Examination of current issues of technology use in instructional settings. Previously offered as CIED 5103.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 5113 Digital Media Production for Instruction

Description: Introduction to the production of digital media for instruction. Topics covered: Instructional design for digital media, message design, use of graphics, multimedia development tools. Current research, trends, tools and issues in media production will also be addressed. Previously offered as CIED 5113.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 5123 Academic Writing in the Learning Sciences

Description: Introduction to the structure and organization of academic writing appropriate for a Creative Component, project, thesis, or doctoral dissertation. Students will be expected to prepare a proposal for their special topic.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 5153 Computer-Based Instruction Development

Description: Examinations of curriculum strategies, related research issues, and techniques for developing computer-based instruction. Students will develop and evaluate computer-based instruction with case studies. Previously offered as CIED 5153.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 5203 Foundations of Educational Technologies

Description: A general introduction to the field of Educational Technology. Define, describe, and critically evaluate the foundations, issues and careers in educational technology.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 5303 Digital Games and Simulations in the Classroom

Description: Introduces students to the philosophies, theories, processes, and practices of integrating digital games and simulations into the classroom.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 5403 Creativity and Innovation in Educational Technology

Description: In-depth examination of a variety of innovation technologies and engagement in pedagogies and technologies associated with creativity, innovation and invention.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 5503 Facilitating Online Learning

Description: Apply knowledge of pedagogy, standards for online teaching, online community building, and teaching with technology to design and facilitate online learning environments.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 5703 Advanced Virtual and Augmented Reality for Social Change

Description: Explores evidence-based design/research informed design through the use and application of Virtual Reality (VR) and Augmented Reality (AR) technology using a multidisciplinary approach to solve current societal problems by applying social science practices with innovative technology. Learn how to develop and apply 3D content in VR/AR. Turn your creative ideas into useful applications. This course is open to all graduate students. No prior coding or design experience is required. Same course as DM 5083.

Credit hours: 3

Contact hours: Lab: 6 Contact: 6

Levels: Graduate

Schedule types: Lab

Department/School: Educ Found Leadersh & Aviation

EDTC 5720 Educ Workshop

Description: For teachers, principals, superintendents and supervisors who have definite problems in instruction or administration. Students must register for the full number of credit hours for which the workshop is scheduled for a particular term. Offered for variable credit, 1-8 credit hours, maximum of 8 credit hours.

Credit hours: 1-8

Contact hours: Contact: 1-8 Other: 1-8

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EDTC 5753 Introduction to Instructional Design

Description: Introduction to the systematic design of instruction. Topics covered: Analysis, design, development, implementation, and evaluation of instructional materials in a variety of educational settings. Current research, trends and issues in instructional design will be addressed. Previously offered as CIED 5753.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 5773 Instructional Systems Management

Description: Principles of management relevant to instructional systems, including, but not limited to: project, resource, quality, change, financial, information technology, human resource, program evaluation, product, knowledge and performance management. Previously offered as CIED 5773.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 5783 Learning and Teaching with Mobile Devices

Description: Exploring the potential of learning with mobile devices in formal education settings and factors to consider when designing an effective and innovative mobile learning environment.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 5793 Design-Based Research

Description: Design-Based Research seeks to contribute to theory-building about learning and the design of learning environments. Course provides an examination of the history of this research approach along with related current literature, commentary and research.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 5850 Directed Study

Prerequisites: Consent of instructor.

Description: Directed study for master's level students. Offered for variable credit, 1-3 credit hours, maximum of 3 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EDTC 6000 Doctoral Dissertation

Description: Required of all candidates to the Doctor of Education degree. Credit is given upon completion of the thesis. Offered for variable credit, 1-15 credit hours, maximum of 15 credit hours.

Credit hours: 1-15

Contact hours: Contact: 1-15 Other: 1-15

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EDTC 6153 Advanced Computer-Based Instructional Development

Prerequisites: EDTC 5153 or consent of instructor.

Description: Design of user-friendly instructional interfaces and computer-based learning management systems.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 6283 Performance Improvement Technology

Description: Overview of performance improvement, as defined within the field of Educational Technology. Training and non-training interventions to improve performance in learning situations. Sample topics may include needs assessment, motivation systems, compensation systems, job aids, or electronic performance support systems.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 6333 Human Computer Interaction

Prerequisites: EDTC 5153 or consent of instructor.

Description: Human cognitive architecture, information processing, and design of effective educational, computer-based interfaces.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 6423 Trends and Issues in Educational Technology

Description: Selected problems, issues and trends in educational technology.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 6553 Media and Learning in Educational Technology

Description: Exploration of topics from media studies relevant to educational technology, especially online learning. Reading of classic works in media studies in tandem with related contemporary works addressing new developments in educational technology, online learning, online gaming, and social media for learning.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 6613 Instructional Systems Design

Description: Overview of theoretical foundations of the systematic design of instruction and their applications in design practice including analyzing, defining, sequencing, developing, and validating instructional components. Current research, theory, and future directions in design theory and practice will be addressed. Course previously offered as EPSY 6613 and ABSE 6613.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 6793 Advanced Design-Based Research

Description: Exploration of current DBR literature, research and research implementations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EDTC 6850 Directed Reading

Prerequisites: Consent of instructor.

Description: Directed reading for students with advanced graduate standing to enhance students' understanding in areas where they wish additional knowledge. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EDTC 6880 Internship in Education

Prerequisites: Consent of instructor.

Description: Directed off campus experiences designed to relate ideas and concepts to problems encountered in the management of the school program. Offered for variable credit, 1-8 credit hours, maximum of 8 credit hours.

Credit hours: 1-8

Contact hours: Contact: 1-8 Other: 1-8

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EDTC 6910 Practicum

Prerequisites: Consent of instructor.

Description: Helps the student carry out an acceptable research problem (practicum) in a local school situation. Credit given upon completion of the written report. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EPSY 1003 Learning to Learn

Description: Learning effective strategies to succeed through online individualized assessment, positive attitude development, habit change, development and self-efficacy and self-regulation. Learning tools include goal setting, developing information skills, questioning, transformational learning, presentation and information use skills. Analyzing class materials, problem solving, creativity, teacher analysis, reflection, developing classroom motivation and appropriate classroom behavior to lead to classroom success.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 1013 Emotional Skills in Learning Success

Description: Striving for academic excellence through self awareness and growth in areas of social and emotional development. Interpersonal and intrapersonal skills, leadership skills, and self-management skills in the context of emotional intelligence theories.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 2513 Foundations of Ethical Leadership

Prerequisites: 24 hours in good standing; admission into the UGLC or consent of instructor.

Description: Introduces students to a variety of theoretical views of ethics and leadership studies through the identification of contemporary ethical challenges and the development of foundational leadership skills to meet those challenges. Same course as HESA 2513.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 3063 Critical Thinking, Problem Solving, and Creative Processes

Description: Learning theory in developing strategies for promoting critical thinking, problem solving, and creativity.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 3110 Educational Psychology Seminar

Description: Problems, trends, contemporary topics, and pertinent issues in educational psychology. Concentrated study of selected areas not usually addressed in the undergraduate curriculum. Offered for variable credit, 1-3 credit hours, maximum of 3 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EPSY 3113 Psychological Foundations of Childhood

Description: The child from conception to puberty with focus on educational implications of development in cognitive, affective and psychomotor domains. Previously offered as ABSE 3113.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 3213 Psychology of Adolescence

Description: The adolescent from pubescence to adulthood with focus on educational implications of development in cognitive, affective and psychomotor domain. Course previously offered as ABSE 3213.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 3413 Child and Adolescent Development

Description: The person from conception through adolescence with focus on education implications of development in cognitive, affective, social, and physical domains. Course previously offered as ABSE 3413.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 3533 Motivating Learners

Description: Current practices in learner motivation, school age through adult. Developing positive attitudes and building community in classrooms to stimulate motivation of all learners.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 4063 Exploration of the Creative Experience

Description: The creative experience in art (visual to performing), articulation (oratory to literature), thought (philosophy to psychology), business (practices to products), leisure (procreation to recreation). Western and Eastern viewpoints. Personal creative development fostered by modeling and by investigation of proven techniques. A wide range of creative endeavor with an experiential approach. Future-oriented applications. Course previously offered as ABSE 4063.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 4223 Psychological Foundations of Learning and Instruction

Description: Instructional psychology focusing on the study of teaching and learning theory as part of an instructional program to deal with individual, cultural, and environmental differences. Case studies and group discussion emphasizing motivation, planning, evaluation, classroom problems and management.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 4503 Ethical Leadership for the Common Good

Prerequisites: EPSY 2513 or HESA 2513.

Description: Builds on foundational model of ethical theory and leadership studies through application of ethical theory and leadership skills to specific contexts and evaluation of their results. Same course as HESA 4513.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 4533 Competency Motivation

Description: Development of competence through the application of research strategies in achievement motivation. Examines intellectual ability, motives, goals, attributions, competence perceptions and values as they relate to developmental issues, demographics, contextual influences, culture, and self-regulation.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 4743 Learning, Motivation, and Social Justice

Description: Foundational principles of learning, motivation, and global identity; critical analysis of contemporary cultures; and application of learning in addressing global issues of social justice.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5000 Master's Thesis

Prerequisites: Consent of advisory committee chairperson.

Description: Report of research conducted by a student in the master's program in school and educational psychology. Credit given and grade assigned upon completion and acceptance of the thesis. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EPSY 5001 Colloquium: Educational Psychology

Description: Discussion of issues related to graduate study in educational psychology and related fields.

Credit hours: 1

Contact hours: Contact: 1 Other: 1

Levels: Graduate

Schedule types: Discussion

Department/School: Educ Found Leadersh & Aviation

EPSY 5103 Human Development in Psychology

Description: Introduction to basic research and theories of cognitive, emotional and social development. Applications to educational and family settings. Course previously offered as ABSE 5103.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5123 Academic Writing in the Learning Sciences

Description: Introduction to the structure and organization of academic writing appropriate for a Creative Component, project, thesis, or doctoral dissertation. Students will be expected to prepare a proposal for their special topic.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5320 Seminar in Educational Psychology

Description: In-depth exploration of contemporary topics in educational psychology. Offered for variable credit, 3-9 credit hours, maximum of 9 credit hours.

Credit hours: 3-9

Contact hours: Contact: 3-9 Other: 3-9

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EPSY 5403 Issues in Adolescent Development

Description: Current issues in adolescent development in an educational context and culture, including self, family, peers, school and work relationships. Gender differences within culture, race and class examined. Current dilemmas explored using critical theory and action research.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5463 Psychology of Learning

Description: Evaluation of, and application to, education, psychology, and other learning contexts of research-based, contemporary psychological theories of human learning. Course previously offered as ABSE 5463.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5473 Psychology of Adult Learning

Description: Analysis of the psychological foundation of adult learning both in and out of learning programs across the lifespan. Differentiates among adults of all ages in terms of practice and performance in a variety of settings, including classroom, community, and work environments. Examines the intellectual, social, cultural, emotional, motivational, and performance components of the psychology of adult learning.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5553 Motivation in Educational Contexts

Description: An overview of empirically informed theories of motivation from a psychological perspective with emphasis on contextual influences in and outside the classroom. Topics include beliefs about ability and intelligence, goals, casual attributions, the value of academic tasks, and psychological needs.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5603 Developmental Issues in Instruction

Prerequisites: Three hours in developmental psychology, educational psychology or consent of instructor.

Description: Developmental issues in instruction at all levels from early childhood through adulthood. Specific impacts of developmental stages on the acquisition and retention of cognitive, affective and psychomotor development at various levels and contexts will be examined and applications to instruction will be provided.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5663 Creativity for Teachers

Description: Theoretical origins of creativity and their concomitant applications in the learning environment. Blocks to creative thinking, imagination, imagery, creativity testing, developing ideas and innovations, creative problem solving and teaching techniques and methods to maximize creative potential in all kinds and types of students. Course previously offered as ABSE 5663.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5713 Transpersonal Human Development

Description: Human development in terms of individual consciousness, focusing on the implications of such extraordinary states of consciousness as those associated with hallucinogenic drugs and mystical religious experience. Integration of psychological and religious interpretations of development. Applications to practical problems in education and psychology. Course previously offered as ABSE 5713.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5720 Educational and School Psychology Workshop

Description: Workshop on various topics related to educational and school psychology. Offered for variable credit, 1-9 credit hours, maximum of 9 credit hours.

Credit hours: 1-9

Contact hours: Contact: 1-9 Other: 1-9

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EPSY 5773 Individual Intellectual Assessment

Description: Intensive study of various intelligence and achievement batteries, including the Wechsler scales and the Woodcock Johnson Tests of Achievement. Emphasis and practice in administration, scoring, interpretation. Further emphasis on issues related to report writing, non-discriminatory assessment, and the history of intelligence testing.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5963 Developing Resources to Support Educational Programs

Description: Development, management and evaluation of programs in intra- and extra-class settings. Program types include parent, volunteer, mentor, tutor, group sponsors in technology, business involvement, curricular enhancement and service learning. Developing community and business interest through public relations, financial development, grantsmanship or resource information sources. Developing Internet resources to support learners. Course previously offered as EPSY 5962.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5983 Instructional Effectiveness in Higher Education**Prerequisites:** Graduate standing or consent of instructor.**Description:** For teaching assistants in all areas. The many aspects of teaching in higher education. Both theory, e.g., traditional instructional design and practical applications, e.g., how to create a lecture. Issues related to instructional design, development of classroom climate, understanding and assessment of students, classroom practices, materials creation for teaching and development of support systems.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**EPSY 6000 Doctoral Dissertation****Prerequisites:** Consent of advisory committee chairperson.**Description:** Report of research conducted by a student in the doctoral program in educational school psychology. Credit given and grade assigned upon completion and acceptance of the doctoral thesis. Offered for variable credit, 1-25 credit hours, maximum of 25 credit hours.**Credit hours:** 1-25**Contact hours:** Contact: 1-25 Other: 1-25**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Educ Found Leadersh & Aviation**EPSY 6001 Colloquium II: The Job Search in Educational Psychology and Related Fields****Description:** Discussion of issues related to the job search process in educational psychology and related fields.**Credit hours:** 1**Contact hours:** Contact: 1 Other: 1**Levels:** Graduate**Schedule types:** Discussion**Department/School:** Educ Found Leadersh & Aviation**EPSY 6043 Adult Development****Description:** Theory and research concerning human development during the adult years. Practical applications for serving adult populations in education and education-related settings. Course previously offered as ABSE 6043.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**EPSY 6110 Seminar in School Psychology****Description:** An assessment of psychological techniques applied to problems encountered in the internship. Course previously offered as ABSE 6110. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.**Credit hours:** 1-3**Contact hours:** Contact: 1-3 Other: 1-3**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Educ Found Leadersh & Aviation**EPSY 6153 Advanced Research in Educational Psychology****Description:** Research in educational psychology in areas such as recent trends in the field, exploration of research designs in Educational Psychology, writing and dissemination of research, ethics and collaboration, and development of skills to be competent consumers of the literature.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**EPSY 6163 Emotion and Cognition****Description:** The relationship between emotion and cognition as it relates to knowing and learning. History, wisdom and the interdependence of affect and cognition, the effects of mood on memory, emotion in feminist epistemology, the role of feeling in the writing process, intuition, and narrative thought. Exploration of potential research. Course previously offered as ABSE 6163.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**EPSY 6213 Advanced Educational Psychology****Prerequisites:** Three hours in developmental psychology or consent of instructor.**Description:** Learning and its effect upon coping and adjustment. How learning, environmental and personality factors interact to change human behavior. Course previously offered as EPSY 5213.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**EPSY 6323 Psychological Consultation****Prerequisites:** Admission to graduate program in the SAHEP or psychology program.**Description:** Models and strategies for the delivery of special services in the schools and other agencies that focus on serving the mental health needs of children, adolescents and adults. The use of consultation as a problem solving alternative to the assessment/label approach. Same course as CPSY 6323, students can receive credit in only one of the courses. Course previously offered as ABSE 6323.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**EPSY 6443 Theories and Problems in Educational Psychology****Prerequisites:** Admission to the doctoral program in educational psychology or consent of instructor.**Description:** Theoretical foundations and nature of the problems studied in educational psychology; current issues and historical overview.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation

EPSY 6460 Internship in Educational Psychology**Prerequisites:** Consent of instructor.**Description:** May be repeated for credit when work assignment varies. Required of all teaching assistants in educational psychology during the first semester of each new teaching assignment. Includes cooperative planning and evaluation. Course previously offered as ABSE 6460. Offered for variable credit, 1-9 credit hours, maximum of 9 credit hours.**Credit hours:** 1-9**Contact hours:** Contact: 1-9 Other: 1-9**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Educ Found Leadersh & Aviation**EPSY 6533 Human Motivation****Description:** A theoretically-oriented approach to the concept of motivation; essential precursors to human behavior and applications to the solution of real and hypothetical problems. Course previously offered as ABSE 6533.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**EPSY 6850 Directed Readings in Educational and School Psychology****Prerequisites:** Consent of instructor.**Description:** Directed reading for students with advanced graduate standing in educational and school psychology. Course previously offered as ABSE 6850. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.**Credit hours:** 1-6**Contact hours:** Contact: 1-6 Other: 1-6**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Educ Found Leadersh & Aviation**EPSY 6880 Internship in Education****Prerequisites:** Admission to advanced graduate program and consent of area coordinator.**Description:** Directed off-campus experiences designed to relate ideas and concepts to problems encountered in the management of the school program. Course previously offered as ABSE 6880. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.**Credit hours:** 1-6**Contact hours:** Contact: 1-6 Other: 1-6**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Educ Found Leadersh & Aviation**HESA 1113 Orientation in Student Athletics****Description:** To assist students to better understand and comply with the academic and athletic demands on student-athletes at a NCAA Division I university, including NCAA compliance issues. Previously offered as SDEV 1113.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**HESA 1512 President's Leadership Council I****Prerequisites:** Selection to President's Leadership Council.**Description:** Ethical leadership concepts, theories, and competencies, introduced through the study of leadership, civic engagement, and ethics. May not be used for degree credit with HESA 3013.**Credit hours:** 2**Contact hours:** Lecture: 2 Contact: 2**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**HESA 1521 President's Leadership Council II****Prerequisites:** Selection to President's Leadership Council.**Description:** Observe, analyze, and participate in leadership experiences and civic engagement activities. May not be used for degree credit with HESA 3013.**Credit hours:** 1**Contact hours:** Lecture: 1 Contact: 1**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**HESA 2191 Residential Learning: Philosophies for Student Success****Description:** Examines leadership and builds personal competencies using the lens of personal identity combined with the three-pillar student affairs philosophy of student leadership, community living, and student learning.**Credit hours:** 1**Contact hours:** Lecture: 1 Contact: 1**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**HESA 2513 Foundations of Ethical Leadership****Prerequisites:** 24 hours in good standing; admission into the UGLC or consent of instructor.**Description:** Introduces students to a variety of theoretical views of ethics and leadership studies through the identification of contemporary ethical challenges and the development of foundational leadership skills to meet those challenges. Same course as EPSY 2513. Previously offered as EDLE 2513.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**HESA 3013 Leadership Concepts****Prerequisites:** 12 hours completed course work.**Description:** Increases undergraduate student competence through the study of leadership concepts. Stresses communications, decision-making, leadership styles and theories and group dynamics. Attempts integration of theoretical concept with reality of application within the university community. Previously offered as SDEV 3013 and ABSE 3013.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation

HESA 3091 Student Development Theory for Orientation Leaders

Prerequisites: Consent of instructor.

Description: Theories of student development. Topics include helping skills, student leadership community building, communication skills, and multicultural sensitivity. Application of theory to university orientation programs. Previously offered as SDEV 3091.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 3092 Student Development Training for Resident Assistant

Description: Theories of student development. Topics include helping skills, community building, communication skills, and multicultural sensitivity. Application of theory to living groups. Previously offered as SDEV 3092 and ABSE 3092.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 3113 Civic Leadership

Prerequisites: HESA 3013 or permission from instructor; and HESA 2513.

Description: Exploration of opportunities for citizens to act as leaders in the community where they live and work. Identifying/practicing leadership skills, habits and dispositions useful in working with local non-governmental organizations, municipal employees and elected officials to solve public problems.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 3613 International Perspectives on Ethics and Leadership

Description: Faculty-led international travel course focused on applying leadership and ethics theories in culturally diverse environments. Each class travels to a different international destination and includes the history of the region. Requires pre-trip and post-trip meetings and assignments.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 3910 Current Issues in Leadership

Description: Problems, trends, contemporary topics, and pertinent issues in leadership and/or student leadership development. Students will undertake concentrated study in selected areas. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Lecture: 1-3 Contact: 1-3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 4513 Ethical Leadership for the Common Good

Prerequisites: HESA 2513 or EPSY 2513.

Description: Builds on foundational knowledge of ethical theory and leadership studies through application of ethical theory and leadership skills to specific contexts and evaluation of their results. Same course as EPSY 4503. Previously offered as EDLE 4513.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 4910 Leadership in Practice

Prerequisites: HESA 2513 or HESA 3013.

Description: The art and practice of leadership in community settings. Typically taking in the final year of coursework in the undergraduate minor in Leadership. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Lecture: 1-3 Contact: 1-3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 5000 Master's Thesis

Prerequisites: Consent of instructor.

Description: Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

HESA 5113 Civic Leadership and Community Engagement

Description: Focuses on the role of community-oriented people and institutions as leaders in their communities. Entities receiving particular attention include education, public health and health care, and non-governmental agencies/organizations working to make their communities more equitable.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 5173 Introduction to Student Affairs

Description: History, philosophy, and goals of student affairs units in colleges and universities; emphasis on practitioner roles and responsibilities. Previously offered as SDEV 5173.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 5213 Student Development Theory

Description: Examination of theories describing patterns of growth and development during the college years. Implications for the design of education practice on the college campus. Previously offered as SDEV 5213.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 5223 Career Development for College Students

Description: In-depth exploration of issues and contemporary theory related to the topic of career development for college students. Previously offered as SDEV 5223.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 5233 Advanced Student Development Theory

Prerequisites: HESA 5213.

Description: Focus is on contemporary and emerging theories of traditionally aged college student development from cognitive, spiritual, gender, racial identity, and student success families. Previously offered as SDEV 5233.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 5320 Seminar in Student Development

Prerequisites: Consent of instructor.

Description: In-depth exploration of contemporary problems in student development and student affairs administration. Previously offered as SDEV 5320. Offered for variable credit, 3-6 credit hours, maximum of 6 credit hours.

Credit hours: 3-6

Contact hours: Lecture: 3-6 Contact: 3-6

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 5333 Introduction to Hidden Student Populations

Description: Introduction and exploration of hidden student populations across the secondary and postsecondary systems. Consideration of theory, research, and related practitioner concepts, as well as leadership and policy considerations. Previously offered as SDEV 5333.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 5340 Hidden Student Populations

Prerequisites: HESA 5333.

Description: Collection of six-week, one-hour courses, each of which provides in-depth study of a selected hidden student population. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Lecture: 1-3 Contact: 1-3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 5343 Assessment Techniques for Higher Education and Student Affairs Professionals

Description: General orientation to assessment for professionals in higher education and student affairs. Applied assessment concepts and practices in higher education.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 5433 Practicum in Hidden Student Populations

Prerequisites: HESA 5333 and admission to the graduate certificate in hidden student populations.

Description: Practicum opportunities serving hidden student population(s) under supervision of, or concert with, college or university service units and/or other appropriate on- and off-campus settings. Course is the culminating experience in the graduate certificate in hidden student populations. Previously offered as SDEV 5433.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 5463 Legal Issues in Student Affairs

Prerequisites: HESA 5173 or HESA 6173.

Description: Legal issues confronted by entry-level student affairs practitioners, how to recognize these issues, and how to act within the parameters of the law. Previously offered as SDEV 5463.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 5653 Research to Practice in Higher Education and Student Affairs

Description: Addresses the research-to-practice-to-research cycle for higher education professionals. Focuses on developing skills and knowledge for understanding, critiquing, and applying research to practice, as well as the role of practitioners in identifying additional areas of needed research.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 5720 HESA Creative Component

Prerequisites: Instructor approval.
Description: For approved students to complete the creative component. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.
Credit hours: 1-6
Contact hours: Contact: 1-6 Other: 1-6
Levels: Graduate
Schedule types: Independent Study
Department/School: Educ Found Leadersh & Aviation

HESA 5733 Environmental Theory and Student Affairs

Prerequisites: Consent of instructor.
Description: Examination of campus environmental theory providing an understanding of campus environments approach to student affairs practice. Previously offered as SDEV 5733.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

HESA 5813 Leadership and Development of Higher Education Organizations

Description: Leadership theory and development of higher education institutions.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

HESA 5903 Capstone in Higher Education and Student Affairs

Description: Refine analytical frameworks and hone skills for responding to administrative challenges and opportunities in U.S. institutions of higher education. The course also provides an accountability structure to complete the creative component and professional portfolio requirements.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

HESA 5953 Organizational Development for Higher Education

Description: Scholar-practitioner approaches to understanding and developing higher education organizations.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

HESA 5973 Foundations of Higher Education

Description: Overview of the historical background and philosophical foundations of American higher education. Previously offered as EDLE 5973.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

HESA 5983 Administrative Issues in Higher Education

Description: Overview of the organization and administration operations and analyses of social, political and legal influences on colleges and universities. Previously offered as EDLE 5983.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

HESA 6000 Doctoral Dissertation

Prerequisites: Consent of instructor.
Description: Required of all candidates for doctorate in Educational Leadership and Policy Studies. Offered for variable credit, 1-9 credit hours, maximum of 15 credit hours.
Credit hours: 1-9
Contact hours: Contact: 1-9 Other: 1-9
Levels: Graduate
Schedule types: Independent Study
Department/School: Educ Found Leadersh & Aviation

HESA 6123 College Student Sexuality

Description: Exploration of historical and contemporary knowledge in the areas of college student sexuality, postsecondary sexual health education, gender diverse identities, and sexual identity development. Consideration of the construction of collegiate identities over time, and examination of how institutions of higher learning have influenced, regulated, or intersected with student sexualities, identities, and education throughout history and into present day.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

HESA 6163 International Issues in Higher Education

Description: Examines current international issues in higher education.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

HESA 6173 Administrative Issues in Student Affairs

Description: Develops an understanding of the history, philosophy, student life, critical issues and administration of student personnel work in higher education. Previously offered as SDEV 6173.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

HESA 6213 Higher Education Student Personnel Services

Prerequisites: HESA 6173 or consent of instructor.
Description: Higher education student personnel services such as: admissions, orientation, student activities, financial aids, housing, and counseling. Previously offered as SDEV 6213.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

HESA 6233 Critical Issues in Higher Education and Student Affairs

Description: Issues that have shaped and are shaping the practice of higher education and student affairs administration in American society. Previously offered as EDLE 6233.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 6243 Internship in Higher Education and Student Affairs I

Prerequisites: Consent of instructor.

Description: Work and study opportunities under supervision in higher education and student affairs functional areas and/or college or university administrative units, and other appropriate work settings. Previously offered as HESA 6220.

Credit hours: 3

Contact hours: Contact: 3 Other: 3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

HESA 6253 Internship in Higher Education and Student Affairs II

Prerequisites: Consent of instructor and HESA 6243.

Description: Work and study opportunities under supervision in higher education and student affairs functional areas and/or college or university administrative units, and other appropriate work settings. This course represents a second internship that follows HESA 6243.

Credit hours: 3

Contact hours: Contact: 3 Other: 3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

HESA 6463 Higher Education Law

Description: National and state constitutional provisions, laws, and court cases concerning higher education. Considerable legal research required. Previously offered as EDLE 6463.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 6553 Public Policy and Higher Education

Description: Examines the relationships between government and higher education in the United States, focusing on the roles and impacts of policy arenas beyond the local college or university.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 6573 Institutional Research and Policy Analysis

Description: Introduction to the processes and procedures of institutional research and policy analysis, as they are utilized within the context of American higher education.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 6583 The Impact of College on Students and Society

Description: The psychological and sociological impact that attending four-year colleges and universities has on undergraduates from their freshman year until they graduate.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 6603 Organizational Theory and Administration of the Higher Education Organization

Description: Selected theories in organizational structure, culture, politics and complexity. Functions and principles of administering higher education organizations considering internal, external and contemporary forces.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 6683 The U.S. Two-Year/Community College

Description: The U.S. two-year/community college including historical and philosophical development, contemporary mission, curricula, students and the learning process, faculty and instruction, administration and governance, and funding. Principles, practices and problems of two year/community colleges in the U.S. Previously offered as EDLE 6683.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 6703 Finance in Higher Education

Description: Problems and prospects of financing American education, with in-depth discussion of selected topics, e.g., social capital, federal aid, faculty salaries and state support. Previously offered as EDLE 6703.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 6710 Special Problems in Higher Education and Student Affairs

Description: Focused study of recurrent or unique problem(s) in higher education and student affairs. Offered for variable credit, 1-4 credit hours, maximum of 8 credit hours.

Credit hours: 1-4

Contact hours: Contact: 1-4 Other: 1-4

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

HESA 6713 Effective Teaching in College and Universities

Description: Relevant research and practice about effective college teaching, role of faculty in higher education settings, and development of teaching strategies and lessons for application in college classrooms. Previously offered as EDLE 6713.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 6733 Planning and Educational Change

Description: Organizational and environmental parameters, sources of change, barriers to change, and strategies for planning and implementing organizational change. Previously offered as EDLE 6733.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 6753 Historical Development of Higher Education

Description: History and development of higher education, studies of objectives and functions of institutional types and of students and faculty. Previously offered as EDLE 6753.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 6803 Administration in Higher Education

Description: Functions and principles of administration in higher education from historical and contemporary points of view. Both internal and external forces acting on the institution treated. Previously offered as EDLE 6803.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 6823 Educational Leadership

Description: Leadership and the implications of leadership across contexts, cultures and time. Previously offered as EDLE 6823.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 6833 College and University Presidency

Description: The role and function of the presidency. For those who anticipate a career in college and university administration or a related management position. Previously offered as EDLE 6833.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 6843 The Academic Department

Description: Organization and administration in higher education emphasizing an analysis of the academic department and its leader, the department head. Previously offered as EDLE 6843.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 6850 Directed Readings in Higher Education and Student Affairs

Prerequisites: Consent of instructor.

Description: Directed reading for students with advanced graduate standing. Offered for variable credit, 1-6 credit hours, maximum of 9 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

HESA 6853 Research Traditions in Higher Education and Student Affairs

Description: Exploration of advanced integrated research strategies and the development of designs and methods supporting the field of higher education and student affairs administration. Previously offered as EDLE 6853.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 6863 University and College Campus Culture

Description: This course examines the concept of institutional and collegiate culture as a lens to understanding higher education institutions and their various stakeholders. Previously offered as EDLE 6863.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 6870 Seminar in Higher Education and Student Affairs

Description: Topical issues related to higher education and student affairs. Offered for variable credit, 1-3 credit hours, maximum of 9 credit hours.

Credit hours: 1-3

Contact hours: Lecture: 1-3 Contact: 1-3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

HESA 6903 Dissertation Proposal Writing

Description: Assists doctoral candidates in the Higher Education and Student Affairs program with the development of Chapters One through Three of their dissertation proposals.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

LBSC 1011 Library and Internet Information Competencies

Description: Introduction to the organization, retrieval and evaluation of information found in research libraries and on the Internet. Development of information-seeking competencies using both print resources and electronic databases.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

LBSC 5013 Library Media Center in the Schools

Description: Effective utilization of the centralized school media center for the teaching-learning process. Course previously offered as LBSC 3050.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

LBSC 5113 Selection and Organization of Informational and Educational Resources

Description: Selection, evaluation, organization and use of informational and educational resources.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

LBSC 5413 Organization of Information

Description: Basic principles of the organization of information in schools. Information and knowledge organization techniques that exist or are emerging and focuses on standards and tools that are used in educational environments. Course previously offered as LBSC 4414.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

LBSC 5613 Library Networks and Databases

Description: Introduction to the organization, retrieval and evaluation of information found in research libraries and on the Internet. Development of information-seeking competencies using both print resources and electronic databases.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

LBSC 5823 Administration of School Library Media and Technology Programs

Description: Vision of, planning, organizing, policy making, staffing, budgeting, decision-making and evaluating a standards-based school library media or school technology program.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

REMS 5000 Master's Thesis

Prerequisites: Consent of instructor.

Description: Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

REMS 5013 Research Design and Methodology

Description: An introduction to the concepts of research design, methodology, sampling techniques, and internal/external validity and the scientific method in educational problem solving. Critical analysis of educational research studies and the writing of proposals. Previously offered as ABSE 5013.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

REMS 5320 Seminar in Research, Evaluation, Measurement and Statistics

Prerequisites: Consent of instructor.

Description: In-depth exploration of contemporary problems of research, evaluation, measurement, and statistics. Previously offered as ABSE 5320. Offered for variable credit, 3-6 credit hours, maximum of 6 credit hours.

Credit hours: 3-6

Contact hours: Contact: 3-6 Other: 3-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

REMS 5330 Practicum in REMS

Description: Apply skills and concepts of educational research, evaluation, measurement and statistics (REMS) and gain professional experience in a mentored applied setting. Offered for variable credit, 1-3 credit hours, maximum of 3 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

REMS 5373 Educational Measurements

Description: Appropriate applications of tests in the schools. Development of teacher-made tests, selection of standardized tests, interpretation of test results, understanding of the statistics reported in testing literature, uses of test results, and recent developments in educational measurement. Previously offered as ABSE 5373.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

REMS 5953 Statistical Methods in Education

Description: Statistical methods needed by conductors and consumers of research in education and the behavioral sciences. Introduction to interpretation and application of descriptive and inferential statistics. Previously offered as ABSE 5953.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

REMS 5963 Computer Applications in Nonparametric Data Analyses

Description: Presents popular nonparametric statistical methods as applied to educational and behavioral research. Emphasis on conceptual, rather than mathematical development, application, use of computer for data analysis, and substantive interpretation.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

REMS 6000 Doctoral Dissertation

Prerequisites: Consent of instructor.

Description: Required of all candidates for doctorate in applied behavioral studies. Credit given upon completion and acceptance of dissertation. Offered for variable credit, 1-25 credit hours, maximum of 25 credit hours.

Credit hours: 1-25

Contact hours: Contact: 1-25 Other: 1-25

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

REMS 6003 Analyses of Variance

Prerequisites: REMS 5013 and REMS 5953 and admission to a doctoral level program or consent of instructor.

Description: A thorough examination of analysis of variance procedures as they relate to principles of experimental design in education and behavioral sciences.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

REMS 6013 Multiple Regression Analysis in Behavioral Studies

Prerequisites: REMS 6003 or consent of instructor.

Description: Applications of multiple regression as a general data analysis strategy for experimental and non-experimental research in behavioral sciences. Previously offered as ABSE 6013.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

REMS 6023 Psychometric Theory

Prerequisites: REMS 6013 or consent of instructor.

Description: Theoretical basis for applying psychometric concepts to educational and psychological measurement. The Classical True Score model and applications to instrument development and design of studies for evaluating instrument quality. Previously offered as ABSE 6023.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

REMS 6033 Factor Analysis in Behavioral Research

Prerequisites: REMS 6013 or equivalent.

Description: In-depth analysis of principal components and factor analysis methods, including maximum likelihood methods. Confirmatory factor analysis methods are also introduced.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

REMS 6320 Doctoral Seminar in REMS

Prerequisites: Permission of instructor.

Description: Theory and applications of selected advanced research and evaluation methods. Previously offered as REMS 6323. Offered for variable credit, 1-3 credit hours, maximum of 9 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

REMS 6373 Program Evaluation

Prerequisites: REMS 5013 and admission to a doctoral level program or consent of instructor.

Description: History, contexts, purposes and approaches of evaluating programs in a variety of settings. Emphasis on logic models and evaluation planning, design, data collection, analysis, reporting, and use of results. Applications include writing an evaluation plan for a real-world program. Previously offered as ABSE 6373.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

REMS 6383 Program Evaluation II

Prerequisites: REMS 6373.

Description: Builds upon students' knowledge, understanding and application of program evaluation approaches and techniques. Emphasis on practical application of knowledge and standards by conducting a program evaluation for an existing program.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

REMS 6663 Applied Multivariate Research in Behavioral Studies

Prerequisites: REMS 6013 or consent of instructor.

Description: An overview and analysis of multivariate procedures commonly applied to educational and behavioral research. Emphasis on conceptual design and application of these procedures. Previously offered as ABSE 6663.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

REMS 6673 Item Response Theory

Prerequisites: REMS 6003 and REMS 6023 or consent of instructor.

Description: Concepts, theory, and application of item response theory (IRT) in educational and psychological fields with computer applications for data analysis.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

REMS 6683 Multilevel Modeling Methods in Education

Prerequisites: REMS 5953, REMS 6003, REMS 6013 or consent of instructor.

Description: Multilevel modeling analyses relevant to research in educational and related sciences. Emphasis on practical, hands-on development, analysis, and interpretation of multilevel models.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

REMS 6693 Structural Equation Modeling for Behavioral and Educational Research

Prerequisites: REMS 6003, REMS 6013, REMS 6033, and REMS 6663 or permission of instructor.

Description: Concepts, theory, and application of SEM in behavioral research with computer applications for data analysis.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

REMS 6850 Directed Reading

Prerequisites: Consent of instructor.

Description: Directed reading for students with advanced graduate standing. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

SCFD 2001 Religious Diversity & Education (D)

Description: Explores philosophical questions relating to the role of religion in education in culturally diverse democracies, relevant school law and policy, and instructional and curricular challenges faced by teachers and school leaders.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

General Education and other Course Attributes: Diversity

SCFD 2331 Cineculture: International Issues (IS)

Description: Using documentary film, examines international issues relating to broader topics of race/ethnicity, gender, class, sexuality, (dis)ability, etc., through scholarship from the field of social foundations of education (history, philosophy, sociology, and anthropology).

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

General Education and other Course Attributes: International Dimension, Social & Behavioral Sciences

SCFD 3223 Role of Teacher in American Schools (D)

Description: An introduction for those students wishing to pursue the teaching profession. An overview of teaching and policy in American schools and background in history, theory, and philosophy of education. Topics to be addressed include: diversity in schools; school governance; funding and organization; ethics and professionalism; curriculum; legal issues; pedagogy and current issues in education. Previously offered as CIED 3223 and CIED 2113.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

General Education and other Course Attributes: Diversity

SCFD 4123 History of Education (S)

Description: The development of major educational ideas and programs with emphasis on the growth of public education in the United States from the Colonial period to the present. Previously offered as CIED 4123.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

General Education and other Course Attributes: Social & Behavioral Sciences

SCFD 4320 Special Topics in Social Foundations

Description: Focused exploration of a contemporary problem or issue in social foundations. Offered for variable credit, 1-3 credit hours, maximum of 3 credit hours.

Credit hours: 1-3

Contact hours: Lecture: 1-3 Contact: 1-3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

SCFD 4913 International Issues and the Role of the School

Description: International issues that shape educational perspectives and practices locally and globally. Consideration of major issues in education, such as the effects of globalization, the purpose of and right to an education, gender, indigenous knowledge, and global citizenship. Previously offered as CIED 4913.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

SCFD 5000 Master's Report or Thesis

Description: Students studying for a master's degree enroll in this course for a total of 2 credit hours if they write a report, or 6 hours if they write a thesis. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

SCFD 5023 The Comparative Approach: Theory, Method, and Practice

Description: Provides necessary analytical and practical skills needed for the application of comparative method and its usefulness for research within the Social Sciences.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

SCFD 5123 History of Education

Prerequisites: Graduate standing.

Description: History of elementary, secondary, and higher education with emphasis on Western society and the American schools. Discussion of historiography and historical methods with research emphasis on the impact of institutional development in a pluralistic society. Previously offered as SCFD 5823 and SCFD 6823.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

SCFD 5223 Role of Teacher in American Schools

Prerequisites: Graduate level standing.

Description: An introduction for those students wishing to pursue the teaching profession. An overview of teaching and policy in American schools and background in history, theory, and philosophy of education.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

SCFD 5713 Educational Philosophy

Description: Advanced study of key philosophers in Western history whose ideas have greatly influenced educational theories and practices. Contemporary philosophical debates of educational issues.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

SCFD 5720 Education Workshop

Description: For teachers, principals, superintendents, and supervisors who have definite problems in instruction or administration. Students must register for the full number of credit hours for which the workshop is scheduled for a particular term. Offered for variable credit, 1-8 credit hours, maximum of 8 credit hours.

Credit hours: 1-8

Contact hours: Contact: 1-8 Other: 1-8

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

SCFD 5850 Directed Study

Description: Directed study for master's level students. Offered for variable credit, 1-3 credit hours, maximum of 3 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

SCFD 5873 Culture, Society and Education

Description: Cultural assumptions, constructions and social practices in childhood and education in a variety of societies. Children's family, community and school lives. Anthropological and comparative perspective.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

SCFD 5883 Educational Sociology

Description: The manner in which social forces and institutions influence education and the educational system in the United States. Previously offered as CIED 5883.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

SCFD 5913 Introduction to Qualitative Inquiry

Description: Examination of the major approaches and fieldwork techniques of qualitative research as well as the challenges associated with conducting this form of inquiry.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

SCFD 5923 Popular Culture and Education

Description: Investigation and analysis of the ways popular culture socializes and educates young people in social and school norms. Considers connections among popular culture, youth identity, relationships, resistance and activism.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

SCFD 5990 Problems and Issues in Social Foundations

Description: In-depth exploration of a contemporary problem or issue in the social foundations of education. Offered for variable credit, 1-3 credit hours, maximum of 3 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

SCFD 5993 Urban Education

Description: Examines the historical, political, economic and sociocultural contexts of urban education as it pertains to students, teachers, administrators, and community members. Previously offered as SCFD 5998.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

SCFD 6000 Doctoral Dissertation

Description: Required of all candidates for the Doctor of Philosophy degree. Credit is given upon completion of the dissertation. Offered for variable credit, 1-25 credit hours, maximum of 25 credit hours.

Credit hours: 1-25

Contact hours: Contact: 1-25 Other: 1-25

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

SCFD 6023 Comparative Education

Description: A systematic investigation of educational institutions in various nations for the purpose of an enlarged, critical view of American education. Researching specific transnational educational theories. Previously offered as SCFD 5023.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

SCFD 6113 Theoretical Foundations of Inquiry

Description: Exploration of the history and philosophical assumptions undergirding theories, methods and issues of ethics and rigor associated with both qualitative and quantitative research in education and related fields. An in-depth overview of research paradigms through readings and discussions. Foundational doctoral-level research course. Previously offered as EDLE 6853.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

SCFD 6123 Qualitative Research I

Prerequisites: SCFD 6113 or consent of instructor.

Description: The traditions, philosophies, and techniques of qualitative research, including participant observation, interviewing and document analysis. Practice in qualitative techniques and in preliminary data analysis.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

SCFD 6163 Ethnography

Prerequisites: SCFD 5913 or SCFD 6123, or other graduate level qualitative methods course.

Description: Theoretical and historical grounding of ethnography as a methodology, exposure to diverse ethnographic approaches such as autoethnography, critical, visual and feminist ethnographies, and opportunities to conduct a small scale ethnography project.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

SCFD 6173 Visual Methodologies

Prerequisites: SCFD 5913 or SCFD 6123, or other graduate level qualitative methods course.

Description: Practical guidance, theoretical orientation, and ethical considerations in the creation and interpretation of visual culture and its use with different qualitative methodologies.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

SCFD 6183 Narrative Research Methodologies

Prerequisites: SCFD 5913 or SCFD 6123, or other graduate level qualitative methods course.

Description: Theoretical grounding, research design, and practice in qualitative narrative research methodologies such as narrative inquiry, auto/biography and life history.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

SCFD 6190 Qualitative Research: Selected Methods

Prerequisites: Honors Program participation, junior standing.

Description: Study of select qualitative methods to get a "hands on" feel for the method. Methods include classic and new approaches such as arts-based, biography, case study, discourse analysis, ethnography, grounded theory, historical social science, phenomenology, writing and representation. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

SCFD 6193 Qualitative Research II

Prerequisites: SCFD 6123, SCFD 6133 or consent of instructor.
Description: Various approaches to qualitative data analysis, including the use of computer applications. Additional attention to issues of writing, representation, reflexivity, and reciprocity. Practice in analytic techniques and writing research.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

SCFD 6443 Ethics and Moral Education

Description: Interdisciplinary perspective of traditional and contemporary ethical theories, focusing on application to professional practice and moral education. Moral development, the moral life, feminist ethics, and character education.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

SCFD 6501 Curriculum and Social Foundations Doctoral Seminar I

Description: Orientation to doctoral study primarily for students in the PhD program in Curriculum and Social Foundations.
Credit hours: 1
Contact hours: Lecture: 1 Contact: 1
Levels: Graduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

SCFD 6511 Curriculum and Social Foundations Doctoral Seminar II

Description: Orientation to the professoriate primarily for students in the PhD program in Curriculum and Social Foundations.
Credit hours: 1
Contact hours: Lecture: 1 Contact: 1
Levels: Graduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

SCFD 6630 Topics in Philosophy Education

Description: Consideration of topic or topics (e.g. childhood and modern subjectivity) that are of great concern to the field of philosophy of education. Offered for variable credit, 3-6 credit hours, maximum of 6 credit hours.
Credit hours: 3-6
Contact hours: Lecture: 3-6 Contact: 3-6
Levels: Graduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

SCFD 6850 Directed Reading

Description: Directed reading for students with advanced graduate standing to enhance students' understanding in areas where they wish additional knowledge. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.
Credit hours: 1-6
Contact hours: Contact: 1-6 Other: 1-6
Levels: Graduate
Schedule types: Independent Study
Department/School: Educ Found Leadersh & Aviation

SCFD 6853 Anthropology of Education

Description: Understanding and critically reflecting on educational issues from a cultural anthropological perspective. Developing the knowledge and skills needed to understand cultural influences on teaching and learning.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

SCFD 6880 Internship in Education

Description: Directed off campus experiences designed to relate ideas and concepts to problems encountered in the management of the school program. Offered for variable credit, 1-8 credit hours, maximum of 8 credit hours.
Credit hours: 1-8
Contact hours: Contact: 1-8 Other: 1-8
Levels: Graduate
Schedule types: Independent Study
Department/School: Educ Found Leadersh & Aviation

SCFD 6883 Transforming Pedagogies

Description: Contemporary pedagogical theories and school reform initiatives, including origins, purposes, underlying philosophical assumptions, cultural contexts, and implications for schooling.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

SCFD 6910 Practicum

Description: The student carries out an acceptable research problem (practicum) in a local school situation. Credit given upon completion of the written report. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.
Credit hours: 1-6
Contact hours: Contact: 1-6 Other: 1-6
Levels: Graduate
Schedule types: Independent Study
Department/School: Educ Found Leadersh & Aviation

SCFD 6983 Diversity and Equity Issues in Education

Description: Many social, historical and cultural constructions of "difference" and the impact in personal and professional relationships in education and related human service fields. Categories of race, class, and gender, but may also include ethnicity, sexual orientation, and special needs.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Educ Found Leadersh & Aviation

SCFD 6990 Seminar in Social Foundations

Description: In-depth seminar focusing on a contemporary problem or issue in the social foundations of education. Offered for variable credit, 1-3 credit hours, maximum of 9 credit hours.
Credit hours: 1-3
Contact hours: Contact: 1-3 Other: 1-3
Levels: Graduate
Schedule types: Independent Study
Department/School: Educ Found Leadersh & Aviation

Undergraduate Programs

- Aerospace Administration and Operations: Aerospace Security, BS (p. 2067)
- Aerospace Administration and Operations: Aviation Management, BS (p. 2070)
- Aerospace Administration and Operations: Professional Pilot, BS (p. 2073)
- Aerospace Administration and Operations: Technical Service Management, BS (p. 2075)

Graduate Programs Aviation and Space (AVED)

Timm Bliss, EdD—Professor and Program Coordinator for Graduate Studies

MS in Aviation and Space

The Master of Science in the Aviation and Space degree emphasizes aviation/aerospace management and leadership, legal and regulatory issues, aviation economics, airport operations, aerospace executive decision making, and additional content regarding the aviation/aerospace industry and related government programs and missions. Students participating in this program come from a variety of academic and/or professional backgrounds including aviation, military, and government. The scope of this degree program is designed to prepare professional leaders for positions in the aviation/aerospace industry. To be considered for admission to the master's program, students must be admitted to both the OSU graduate college and the AVED program. Applicants are required to provide a statement of personal goals and objectives, two letters of recommendation addressing the applicant's abilities, interest, motivation, etc., and a copy of a current resume/Curriculum vitae. All MS students must complete coursework from research, core requirements, program emphasis, and elective courses to total 33 hours. Master's students must also complete a Creative Component for committee approval.

EdD in Applied Educational Studies/Aviation

The Doctor of Education (EdD) in Applied Educational Studies with the Aviation and Space Specialization emphasizes aviation leadership and executive development, administration of aviation institutions, risk assessment, influencing public policy in the aerospace industry, international aviation issues, and applied aviation and space research. The Space portion emphasizes the development of air and space flight; the earth's air, land and water systems; and the solar systems to include the sun, planets, and probes. Aviation and Space Program seeks doctoral candidates with strong intellects, proper educational preparation, breadth and depth of Aviation and Space experiences and the capacity for disciplined investigations. The Aviation and Space program provides advanced courses in the specific field of aviation and space for successful practice in the aerospace industry. Either the MAT or GRE test must be taken within five years prior to application to the program. All are required to submit a statement of personal goals and objectives, two letters of recommendation addressing the applicant's experiences, abilities, interest, motivation, etc., and a current resumé/curriculum vitae. Coursework must be completed from the professional core, program emphasis, field experiences and research in addition to 10 hours of doctoral dissertation, for a total of 60 hours of coursework beyond the Master's degree. The EdD degree requires a dissertation that is research-based in the student's field of specialization.

Basic principles are used to emphasize the practical application of research.

The mission of the Aviation and Space graduate program has three essential components:

1. Cultivate exemplary undergraduate and graduate instruction through a professional atmosphere in which students learn, develop, promote integrity and contribute to the broader aerospace community.
2. Engage in applied aerospace research and scholarly initiatives that benefit industry, general aviation, government and the public.
3. Provide leadership, expertise, and professional development opportunities for aviation and aerospace professionals and the aerospace industry, and to promote a greater understanding of aerospace among the general public

Additional information can be found at the <https://education.okstate.edu/aado/index.html> (<http://flyosu.okstate.edu/>) website.

Educational Leadership (School Administration) (EDLE)

Ed Harris, PhD—Professor and Program Coordinator (School Administration)

MS in Educational Leadership/School Administration

MS in Educational Leadership with a specialization in School Administration: To be considered for admission to the MS program in School Administration, applicants are expected to have an earned baccalaureate degree with at least a 3.00 GPA (on a 4.00 scale), a minimum two years of teaching experience, and career goals that match the program. Applicants must provide three appropriate recommendations, transcripts, and required essays. Applicants may be asked to complete an interview with program faculty. Applications for the MS in School Administration are accepted on a rolling basis; an applicant's file will be reviewed when all materials have been received and notification of the admission decision will follow shortly thereafter.

Graduate Certificate in Building Level Leadership

The Graduate Certificate in Building Level Leadership is intended for individuals seeking principal certification. This certificate documents partial fulfillment of state licensure requirements. To be considered for admission to the Graduate Certificate in Building Level Leadership, applicants are expected to have an earned master's degree with at least a 3.00 GPA (on a 4.00 scale) or plan of study in place for fulfillment of a master's degree, a minimum two years of teaching experience, and career goals that match the program. Applicants must provide three appropriate recommendations, transcripts, and required essays. Applicants may be asked to complete an interview with program faculty. Applications for the Graduate Certificate in Building Level Leadership are accepted on a rolling basis; an applicant's file will be reviewed when all materials have been received and notification of the admission decision will follow shortly thereafter.

Graduate Certificate in District Level Leadership

The Graduate Certificate in District Level Leadership is intended for individuals seeking superintendent certification. This certificate documents partial fulfillment of state licensure requirements. To be considered for admission to the Graduate Certificate in District Level Leadership, applicants are expected to have an earned master's degree

or doctorate with at least a 3.00 GPA (on a 4.00 scale) or plan of study in place for fulfillment of a master's degree or doctoral degree, a minimum two years of teaching experience, and career goals that match the program. Applicants must provide three appropriate recommendations, transcripts, and required essays. Applicants may be asked to complete an interview with program faculty. Applications for the Graduate Certificate in District Level Leadership are accepted on a rolling basis; an applicant's file will be reviewed when all materials have been received and notification of the admission decision will follow shortly thereafter.

Graduate Certificate in Workforce and Adult Education

The Graduate Certificate in Workforce and Adult Education is designed to provide focused preparation for educational leadership in all areas of workforce development. The Workforce and Adult Education Graduate Certificate is designed to be a short term, 12-hour, stand-alone certificate for degreed professionals working to acquire the necessary skill set needed for training in a variety of settings. This certificate aligns with the direction of industry and educational institutions toward a more focused approach to training and building skill sets as seen by the increase in alternative pathways to industry credentials and specialized instruction.

EdD in Educational Leadership with a Specialization in School Administration

To be considered for admission to the EdD program in School Administration, applicants must possess an earned master's degree with a minimum 3.00 GPA (on a 4.00 scale) and career goals consistent with SA program goals. The online application must include a career objectives statement, master's transcripts, a current vita or resume, a description of relevant work experience, samples of scholarly work, a critical issues essay, three letters of recommendation, and a recent MAT or GRE score. Students recently admitted to the EdD program have an average MAT score of 422 or GRE scores of Verbal 157 (560) and Quantitative 150 (630). Review of applications for doctoral programs will begin after March 15, the deadline for receipt of all application materials. Notification of decisions will follow soon thereafter.

PhD in Educational Leadership and Policy Studies/Educational Administration

Applicants for PhD program in Educational Administration must provide a current academic vita/resume, transcripts, a career objective essay, a critical issue essay, two examples of written work, three letters of recommendation and GRE (Graduate Record Exam) scores. The expected minimum scores are Verbal - 153, Quantitative - 149, and Writing - 4.5. GRE scores must not be over five years old at the time of application review. Additionally, program faculty may request an interview with the applicant. The PhD requires a one-year residency or comparable experience of at least nine hours for two semesters during coursework completion. Review of applications for PhD students are on a rolling basis. For fall admission, applications are due by March 15. Notification of decisions will follow soon thereafter.

EdS in Education/Educational Administration

The Educational Specialist degree in educational administration at Oklahoma State University – College of Education and Human Sciences is a 36-credit-hour, post-master's program that provides advanced graduate work for school leadership and administration. The focus is to prepare individuals for higher levels of educational administrative responsibility, typically in specialized positions in building and central office administration. Specific courses applied to the doctoral

program are determined in consultation with the academic advisor and the School Administration Program Coordinator.

Application Deadline

Applications may be submitted at any time. Admissions are made on a rolling basis; students should receive notification of admission status within 4-6 weeks after all application materials are received. Admission review is initiated when applicants have applied to the Graduate College and their completed admission folders have been sent to College of Education and Human Sciences for faculty review.

Minimum Background Requirements

EdS Applicants must have:

- A Master's from a regionally accredited college or university with a 3.0 GPA,
- GRE or MAT scores – A test score, no older than 5 years, from the Graduate Record Exam (GRE) or the Miller Analogies Test (MAT) is equally accepted.
- Approval of the admissions committee
- TOEFL or IELTS (if required to establish English proficiency)

Documents Required to be Submitted for Admission Review

- OSU Graduate application, including transcripts
- Typewritten goals statement (about 500 words) consistent with mission of school leadership
- Writing sample
- Current Resume (include a list of three references with contact information)
- Three letters of reference

Interview

The program faculty may request an interview with applicants as a requirement for admission.

Educational Technology (EDTC)

Susan Stansberry, PhD— Professor and Program Coordinator

The mission of Oklahoma State University's Educational Technology program is to facilitate the growth of scholars and educational technology professionals through rigorous programs of study that provide exceptional hands-on, collaborative and innovative learning, research and service experiences and are highly regarded at the international, national, state and university levels. The program website, edtech.okstate.edu (<http://edtech.okstate.edu/>), offers greater detail.

MS in Educational Technology - Options: Educational Technology and School Library Media

The MS in Educational Technology is for students interested in furthering their knowledge, skills and opportunities in the area of educational technology and school library media. This degree will enhance their marketability and, in the case of the School Library Media option, provide credentials necessary for recommendation for this particular area of teacher certification. In addition to the core focus on educational technology, candidates pursuing School Library Media certification will also be immersed in the areas of information literacy, curriculum leadership and program administration, meeting ALA accreditation standards through CAEP. To be considered for admission to the master's program, applicants should have an earned baccalaureate degree with at least a 3.00 GPA (on a 4.00 scale), a professional goals statement and three letters of recommendation providing information related to

past academic ability, potential for graduate study and writing ability. Applications will be reviewed upon receipt of all materials.

Graduate Certificate in School Library Media Certification

This certificate is for those who already hold a master's degree and initial teaching certificate and want to add-on School Library Media advanced certificate in the State of Oklahoma.

Graduate Certificate in Online Teaching

The Graduate Certificate in Online Teaching offers students the opportunity to add pedagogical and technological skills to their existing content knowledge within a model online learning environment and emerge prepared to design, develop, deliver and sustain online learning in an educational institution. This certificate is often used as a cognate area for PhD programs across campus. Applications are reviewed as received, but all cohorts begin in the fall semester. Applications must be submitted by July 1.

PhD in Education/Learning, Design and Technology

For those seeking a doctoral-level degree emphasizing educational technology, we offer the PhD in Education with an option in Learning, Design and Technology. The focus of the program is on the core areas of the field: design, development, utilization, production, and evaluation of instructional systems, human computer interaction and technology applications to support learning and teaching. The doctoral program emphasizes research using educational technology in applied settings. The PhD degree in Learning, Design and Technology option prepares future researchers for a variety of professional positions. Graduates are typically employed as university faculty, educational technologists in universities, community colleges, and schools or as training managers or instructional designer/developers in corporate settings. The PhD in Education degree requires a minimum of 69 credit hours beyond the master's degree. Applicants must apply to the OSU Graduate College and include a recent score from the Graduate Record Exam or the Miller Analogies Test, a Statement of Goals and Objectives, references and examples of scholarly writing. An interview may be requested.

The student association for this program is the Educational Media and Technology Student Association. The purpose of this group is to engage undergraduate and graduate students interested in this field in activities that will serve to enhance their academic experience through special speakers, service projects and social activities.

The Educational Technology faculty is committed to involving students in a variety of experiences that will enhance their professional careers. Students help facilitate the College's Emerging Technologies and Creativity Lab (<http://edtech.okstate.edu/techplayground/>). Faculty work with students to present papers at national conferences and to submit manuscripts to professional journals. Students participate in Educational Technology courses, grant projects, and service and outreach to educational groups. Graduate assistantships in teaching and research are often available. Each student has the opportunity to engage in rich internship and practicum experiences designed with the individual learner's goals in mind.

Educational Psychology (EPSY)

Mike S. Yough, PhD—Assistant Professor and Coordinator

MS in Educational Psychology

A master's degree in educational psychology is available as an option within the MS in educational psychology. Educational psychology emphasizes the application of psychological theory and research in the field of education. Every educational psychology master's student takes basic courses in educational psychology and research. For more information, see the website <https://go.okstate.edu/graduate-academics/programs/masters/educational-psychology-ms.html>. We have an option application for the MS degree in educational psychology.

PhD in Educational Psychology

The PhD in Educational Psychology includes areas of study in learning motivation cognition, instructional psychology, and human development. The programs prepare students for the role of teacher and researcher in educational and non-educational settings such as higher education, business, government, and communities.

The educational psychology PhD program is designed to provide students with maximum opportunity to individualize their programs according to their own interests, needs and professional goals. Applications for the PhD in Educational Psychology are due by February 1 for the following fall enrollment. For more information, see the website <https://go.okstate.edu/graduate-academics/programs/doctoral/educational-psychology-phd.html>.

Research, Evaluation, Measurement and Statistics (REMS)

Jam Khojasteh, PhD—Associate Professor and Program Coordinator

The Research, Evaluation, Measurement and Statistics program offers MS and PhD degrees and three graduate certificates (see website). The MS program prepares students to function as staff members in research and evaluation units in school districts, governmental agencies, and private corporations and foundations. Graduates of the doctoral program are prepared to serve as college or university professors, directors of research and evaluation for public schools and universities, researchers for funded projects, state department of education consultants, and professional employees for test publishers and local, state and federal government agencies.

MS in Research, Evaluation, Measurement and Statistics

The MS degree requires a minimum of 36 credit hours. There are three options: either 36 hours of coursework plus a creative component; 32 hours of coursework plus a report (four thesis hours); or 30 hours of coursework plus a thesis (six thesis hours). The student's advisory committee may recommend additional coursework or thesis hours. Required courses include six hours in educational psychology and 24 hours in research and evaluation including a practicum. Students taking a non-thesis option must take additional courses from an approved list of electives. Master's students must take two qualifying examinations that cover the program core and the area of professional specialization.

PhD in Research, Evaluation, Measurement and Statistics

The PhD degree requires a university determined minimum of 60 hours beyond the master's degree or a minimum of 90 semester hours beyond the bachelor's degree. The typical doctoral student completes nine hours of common core coursework in educational psychology and 15 hours of common core coursework in integrated and extended inquiry; 18 hours of professional course hours (e.g., psychometric theory, applied multivariate

research), a minimum of nine hours in a cognate area defined by the student and committee chair (e.g., mathematical statistics, institutional research, student development), and at least 15 dissertation hours. Students also select two applied experiences from a list of suggested experiences with the assistance and approval of the committee chair. PhD students must take two qualifying examinations that cover the program and core and the area of professional specialization.

Graduate Certificate in Program Evaluation

The Graduate Certificate in Program Evaluation is designed for students seeking to become more knowledgeable in program evaluation skills. The certificate enables students to have a critical understanding of key program evaluation techniques, including how to plan and design evaluations and logic models. Students will also gain practice in carrying out an actual program evaluation as a result of completing this certificate.

Graduate Certificate in Educational & Psychological Measurement

The Graduate Certificate in Educational and Psychological Measurement is designed for students seeking to develop skills necessary for conducting research studies that involve some type of knowledge test, personality assessment and other psychological survey. The certificate enables students to have an understanding of key statistical techniques and tools for analyzing data gathered from tests and surveys. Coursework is designed to prepare students to critically evaluate the instruments they use in order to properly use them to measure or score respondents.

Graduate Certificate in Statistical Methods & Analyses in Education & Behavioral Sciences

The Graduate Certificate in Statistical Methods and Analyses in Education and Behavioral Sciences is designed for students seeking to strengthen skills for conducting research studies that involve data analysis, quantitative reasoning, use of data and knowledge of statistical methods. The certificate enables students to have a critical understanding of key statistical methods and analyses. Many graduate students use statistical procedures in their own research and gather data for these theses, dissertations or other projects. The coursework compiled within this graduate certificate is designed to prepare students to critically evaluate statistical methods used and conduct the appropriate analyses given their data, hypotheses and research questions.

Higher Education and Student Affairs (HESA)

Kerri S. Kearney, MBA, EdD—Associate Professor and Program Coordinator

MS in Educational Leadership/Higher Education

To be considered for admission to the Master's program with an option in Higher Education, applicants are expected to have an earned baccalaureate degree with at least a 3.00 cumulative GPA (on a 4.00 scale) and career goals that match program learning objectives. Through the OSU Graduate College's online application, applicants must provide a career objective and personal goals essay, current academic vita or resume, and appropriate recommendations. Applicants may also submit an academic writing sample. Applicants may be asked to complete an interview with program faculty. Applications to all HESA Master's programs are accepted on a rolling basis however, for fullest

consideration for graduate assistantships, please submit all materials by February 1. An applicant's file will be reviewed when all materials have been uploaded through the online application system. Notification of the admission decision will follow before the beginning of the next semester.

MS in Educational Leadership/College Student Development

To be considered for admission to the Master's program with an option in College Student Development, applicants are expected to have an earned baccalaureate degree with at least a 3.00 cumulative GPA (on a 4.00 scale) and career goals that match program learning objectives. Applicants must provide a career objective and personal goals, essay, current resume or academic vita and appropriate recommendations. Applicants may also submit an academic writing sample. Applicants may be asked to complete an interview with program faculty. Applications to all HESA Master's programs are accepted on a rolling basis; however, for fullest consideration for graduate assistantships, please submit all materials by February 1. An applicant's file will be reviewed when all materials have been uploaded to the online application system. Notification of the admission decision will follow before the beginning of the next semester.

PhD in Educational Leadership and Policy Studies/Higher Education

Through the OSU Graduate College's online application, applicants for the PhD program in Higher Education must provide a current academic vita/ resume, a career objective essay, three letters of recommendation, two examples of written work, and either GRE (Graduate Record Exam) or MAT (Miller Analogies Test) scores, GMAT (Graduate Management Admission Test) or LSAT (Law School Admission Test). Exam scores must not be over five years old at the time of application review. Additionally, the program faculty may request an interview with applicants. The PhD requires a research/professional experience completed simultaneously with coursework. All application material must be received by March 15; review of applications will begin soon thereafter. Notification of decisions will follow.

More information about the Higher Education program, course requirements, other pertinent information, and an electronic copy of the application packet, can be found at <http://education.okstate.edu/hesa> (<http://education.okstate.edu/hesa/>).

Applications for all degree programs can be found on the college Graduate Studies website at <https://education.okstate.edu/departments-programs/graduate-degrees.html>.

Social Foundations (SCFD)

Guoping Zhao, PhD—Professor and Program Coordinator

Social foundations of education is an interdisciplinary study of schooling and other forms of education. Ever since it began during the 1930s at Teachers College of Columbia University, social foundations has brought together scholars who situate education in historical, philosophical, economic and social contexts. Using the tools of the humanities and the social sciences, social foundations scholars ask perennial questions, such as: What is the purpose of schooling in a democracy? What knowledge and values should be taught and to whose benefit? How are issues of race, ethnicity, social class, gender and ability manifested in schools?

Drawing from history, philosophy, sociology, anthropology, international studies and other disciplines to teach their courses, faculty in the social

foundations program area ask that educators reflect critically on the social and cultural dynamics in educational settings and how policy and practices might be improved. Students from other human service professions and other disciplines are invited to make similar use of the content of these courses for their professional practice.

MA in Social Foundations of Education

The MA in Social Foundations of Education is designed for those who are interested in increasing their knowledge base in history, philosophy, sociology, and anthropology of education and their research skills and critical and creative thinking skills. The degree will enhance current practitioners' and leaders' marketability and their capacity to earn professional development credits and pay raises. It will also prepare those who wish to continue on to earn a Ph.D. or another terminal degree in education and related fields. The curriculum is geared toward providing students with a strong foundation in theory and research, bridging together community service and outreach.

To be considered for admission to the MA program, applicants are expected to have an earned bachelor's degree with minimum GPA averages of 3.00 on a 4.00 scale. Rolling admission until July 1 for Fall admission and December 1 for Spring admission. For international applicants, see the Graduate College requirement at: <https://gradcollege.okstate.edu/prospective-students/application-process.html>.

PhD in Education/Social Foundation

The mission of the PhD in education with social foundations option is to educate scholars who have the abilities to discover, integrate and apply knowledge about the culture in which the institutions called school reside, as well as the culture the institution creates. In the broadest sense, social foundations option is intended to educate scholars so they can disseminate new knowledge to educational, governmental, social economic and other scholarly communities interested in the advancement of the educational enterprise at the national and international levels.

To be considered for admission to the PhD program, applicants are expected to have an earned master's degree with minimum GPA averages of 3.50 on a 4.00 scale, and have career goals that match the program. Applicants must provide appropriate recommendations (three), present either a Graduate Record Exam (GRE) or Miller Analogy Test (MAT) score. Preferred GRE scores are: Verbal-151, Quantitative-150, and Analytic Writing-4.5. For the MAT, a raw score of 400 is expected. A recent scholarly writing sample is also expected. For students with little or no background in education, additional leveling courses may be required.

Certificates

- Instructional Design, UCRT (p. 2078)
- Learning and Motivation, UCRT (p. 2080)

Minors

- Aerospace Administration and Operations: Aerospace Security (AAAS), Minor (p. 2066)
- Aerospace Administration and Operations: Aviation Management (AAAM), Minor (p. 2069)
- Aerospace Administration and Operations: Professional Pilot (AAPP), Minor (p. 2072)
- Creativity Studies (CRST), Minor (p. 2077)
- Learning and Motivation (LEMO), Minor (p. 2079)

Faculty

Chad Depperschmidt, EdD—Associate Professor and School Head
Professors: Timm Bliss, EdD; Katherine Curry, EdD; Kerri Kearney, EdD; Mwarumba Mwavita, PhD; Susan Stansberry, PhD; Guoping Zhao, PhD
Associate Professors: Tutaleni Asino, PhD; Lucy Bailey, PhD; Denise Blum, PhD; Ki Lynn Cole, PhD; Jam Khojasteh, PhD; Jon Loffi, EdD; Tami Moore, PhD; Mary Jo Self, EdD; Penny Thompson, PhD; Jane Vogler-Cragun, PhD; Steven Wanger, PhD; Chia-chen Yang, PhD; Mike Yough, PhD
Assistant Professors: Olajumoke 'Beulah' Adigun, PhD; Mallory Casebolt, PhD; Ashlyn Fiegenger, PhD; Kathryn Gardner-Vandy, EdD; Amber Manning-Ouellette, PhD; Don Murray, PhD; Jentre Olsen, PhD
Teaching Assistant Professor: Jake Durham, EdD
Visiting Assistant Professors: Toby Brown, PhD; Lisa Will, PhD
Lecturer: LaVoe Quintel, MBA
Manager, Aviation: Lance Fortney, MS
Chief Flight Instructors: Mark Uhlman, EdD; Jared Dunlap

Aerospace Administration and Operations: Aerospace Security (AAAS), Minor

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Academic Programs and Student Services, 101 Nancy Randolph Davis, 405-744-5053

Minimum Overall Grade Point Average: 2.50 with no grade below "C."

Total Hours: 24

Code	Title	Hours
Minor Requirements		
AVED 3453	Aviation/Aerospace Security Issues	3
AVED 3483	Airport Passenger and Baggage Screening	3
AVED 3663	Aerospace and Air Carrier Industry	3
AVED 4413	Aviation Terrorism and Asymmetrical Warfare	3
AVED 4423	Aviation Security Organizations and Law	3
AVED 4943	Basic Aircraft Accident Investigation	3
Select 6 hours of the following:		6
AVED 3443	Aviation Legal and Regulatory Issues	
AVED 3523	Airport Planning and Management	
AVED 4113	Aviation Safety	
AVED 4663	Aerospace Leadership	
Total Hours		24

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.
- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (<https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf>).

Aerospace Administration and Operations: Aerospace Security, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH or STAT course designated (A)		3
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
Courses designated (N) with one (L)		7
<i>Social & Behavioral Sciences (S)</i>		
Course designated (S)		3
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		9
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
Select at least one Diversity (D) course		
Select at least one International Dimension (I) course		
College/Departmental Requirements		
EDHS 1112	First Year Seminar	2
Select 18 hours		18
Recommended Courses:		
ACCT 2003	Survey of Accounting	
AVED 1114	Theory of Flight	
AVED 4100	Specialized Studies in Aviation	
AVED 4200	Internship in Aviation	
REL 1103	Introduction to World Religions (HI)	
SOC 3223	Social Psychology (S)	
Hours Subtotal		20

Major Requirements

Minimum GPA 2.50 with a minimum grade of "C" in each course		
AVED 3113	History of Aviation	3
AVED 3433	Aviation/Aerospace Ethics	3
AVED 3443	Aviation Legal and Regulatory Issues	3
AVED 3453	Aviation/Aerospace Security Issues	3
AVED 3483	Airport Passenger and Baggage Screening	3
AVED 3493	Analysis of Aviation Security Countermeasures	3
AVED 3513	Aviation/Aerospace Management Principles	3
AVED 3523	Airport Planning and Management	3
AVED 3543	Aerospace Organizational Communications	3
AVED 3573	Aviation/Aerospace Finance	3
AVED 3623	Airport Network Security	3
AVED 3663	Aerospace and Air Carrier Industry	3
AVED 3883	Space Flight	3
AVED 4413	Aviation Terrorism and Asymmetrical Warfare	3
AVED 4423	Aviation Security Organizations and Law	3
AVED 4653	International Aerospace Issues (I)	3
AVED 4663	Aerospace Leadership	3
AVED 4943	Basic Aircraft Accident Investigation	3
AVED 4953	Corporate and General Aviation Management	3
AVED 4993	Aviation Labor Relations	3
Hours Subtotal		60
Total Hours		120

Other Requirements

- 40 hours of upper-division coursework.
- A 2.50 GPA is required in the Major Requirements with no grade below a "C".

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to

enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
MATH or STAT course designated (A)		3
Course Designated "H, DH or HI"		3
EDHS 1112	First Year Seminar	2
Hours		14
Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
POLS 1113	American Government	3
Course designated (S), (DS), or (IS)		3
Course designated (A), (H), (N), or (S)		3
Course designated (N, L)		4
Hours		16
Sophomore		
Fall		
AVED 3113	History of Aviation	3
Course designated (A), (H), (N) or (S)		6
Choose 6 hours of elective - (D) or (I) requirement if not already satisfied (LEIS courses do not count)		6
Hours		15
Spring		
AVED 3453	Aviation/Aerospace Security Issues	3
AVED 3433	Aviation/Aerospace Ethics	3
Course designated (H), (DH), or (HI)		3
Choose 6 hours of elective (LEIS courses do not count)		6
Hours		15
Junior		
Fall		
AVED 3663	Aerospace and Air Carrier Industry	3
AVED 3513	Aviation/Aerospace Management Principles	3
AVED 3543	Aerospace Organizational Communications	3
AVED 3483	Airport Passenger and Baggage Screening	3
Course designated (N)		3
Hours		15
Spring		
AVED 4993	Aviation Labor Relations	3
AVED 3493	Analysis of Aviation Security Countermeasures	3
AVED 3523	Airport Planning and Management	3
AVED 3573	Aviation/Aerospace Finance	3
AVED 3883	Space Flight	3
Hours		15
Senior		
Fall		
AVED 4423	Aviation Security Organizations and Law	3
AVED 4663	Aerospace Leadership	3
AVED 4943	Basic Aircraft Accident Investigation	3
AVED 3443	Aviation Legal and Regulatory Issues	3
Choose 3 hours of electives (LEIS courses do not count)		3
Hours		15
Spring		
AVED 3623	Airport Network Security	3
AVED 4653	International Aerospace Issues (I)	3

AVED 4953	Corporate and General Aviation Management	3
AVED 4413	Aviation Terrorism and Asymmetrical Warfare	3
Choose 3 hours of electives (LEIS courses do not count)		3
Hours		15
Total Hours		120

Aerospace Administration and Operations: Aviation Management (AAAM), Minor

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Academic Programs and Student Services, 101 Human Sciences,
405-744-5053

Minimum Overall Grade Point Average: 2.50 with no grade below "C."

Total Hours: 27

Code	Title	Hours
Minor Requirements		
AVED 3113	History of Aviation	3
AVED 3433	Aviation/Aerospace Ethics	3
AVED 3513	Aviation/Aerospace Management Principles	3
AVED 3523	Airport Planning and Management	3
AVED 3543	Aerospace Organizational Communications	3
AVED 3663	Aerospace and Air Carrier Industry	3
AVED 4113	Aviation Safety	3
AVED 4663	Aerospace Leadership	3
AVED 4953	Corporate and General Aviation Management	3
Total Hours		27

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.
- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (<https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf>).

Aerospace Administration and Operations: Aviation Management, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH or STAT course designated (A)		3
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
Courses designated (N) with one (L)		7
<i>Social & Behavioral Sciences (S)</i>		
Select one course designated (S)		3
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		9
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
Select at least one Diversity (D) course		
Select at least one International Dimension (I) course		
College/Departmental Requirements		
EDHS 1112	First Year Seminar	2
Select 18 hours		18
Recommended Courses:		
ACCT 2003	Survey of Accounting	
ACCT 2203	Managerial Accounting	
AVED 4100	Specialized Studies in Aviation	
AVED 4200	Internship in Aviation	

ECON 2003	Microeconomic Principles for Business	
ECON 2103	Introduction to Microeconomics (S)	
ECON 2203	Introduction to Macroeconomics	
Hours Subtotal		20
Major Requirements		
Minimum GPA 2.50 with a minimum grade of "C" in each course		
AVED 3113	History of Aviation	3
AVED 3433	Aviation/Aerospace Ethics	3
AVED 3443	Aviation Legal and Regulatory Issues	3
AVED 3453	Aviation/Aerospace Security Issues	3
AVED 3513	Aviation/Aerospace Management Principles	3
AVED 3523	Airport Planning and Management	3
AVED 3543	Aerospace Organizational Communications	3
AVED 3563	Aviation Marketing	3
AVED 3573	Aviation/Aerospace Finance	3
AVED 3663	Aerospace and Air Carrier Industry	3
AVED 3883	Space Flight	3
AVED 4113	Aviation Safety	3
AVED 4173	Aerospace Logistics Quality Programs	3
AVED 4523	Airport Certified Member Preparation	3
AVED 4653	International Aerospace Issues (I)	3
AVED 4663	Aerospace Leadership	3
AVED 4883	Capstone Course in Aviation Management	3
AVED 4943	Basic Aircraft Accident Investigation	3
AVED 4953	Corporate and General Aviation Management	3
AVED 4993	Aviation Labor Relations	3
Hours Subtotal		60
Total Hours		120

Other Requirements

- 40 hours of upper-division coursework.
- A 2.50 GPA is required in the Major Requirements with no grade below a "C".

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an example of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
EDHS 1112	First Year Seminar	2
MATH or STAT course designated (A)		3
Course designated (H), (DH), or (HI)		3
Hours		14
Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
POLS 1113	American Government	3
Course designated (H), (DH) or (HI)		3
Course designated (A), (H), (N) or (S)		3
Course designated (N, L)		4
Hours		16
Sophomore		
Fall		
AVED 3113	History of Aviation	3
Course designated (S), (DS), or (IS)		3
Course designated (A), (H), (N) or (S)		3
6 hours of electives - choose (D) or (I) course if (D) or (I) requirement not already satisfied, LEIS courses do not count		6
Hours		15
Spring		
AVED 3433	Aviation/Aerospace Ethics	3
Course designated (N)		3
Course designated (A), (H), (N) or (S)		3
6 hours of electives - LEIS courses do not count		6
Hours		15
Junior		
Fall		
AVED 3513	Aviation/Aerospace Management Principles	3
AVED 3543	Aerospace Organizational Communications	3
AVED 3443	Aviation Legal and Regulatory Issues	3
AVED 3563	Aviation Marketing	3
3 hours of electives - LEIS courses do not count		3
Hours		15
Spring		
AVED 4113	Aviation Safety	3
AVED 3523	Airport Planning and Management	3
AVED 3573	Aviation/Aerospace Finance	3
AVED 3883	Space Flight	3
AVED 4173	Aerospace Logistics Quality Programs	3
Hours		15
Senior		
Fall		
AVED 3453	Aviation/Aerospace Security Issues	3
AVED 4523	Airport Certified Member Preparation	3
AVED 4663	Aerospace Leadership	3
AVED 4943	Basic Aircraft Accident Investigation	3

AVED 4993	Aviation Labor Relations	3
Hours		15
Spring		
AVED 3663	Aerospace and Air Carrier Industry	3
AVED 4653	International Aerospace Issues (I)	3
AVED 4953	Corporate and General Aviation Management	3
AVED 4883	Capstone Course in Aviation Management	3
3 hours of electives - LEIS courses do not count		3
Hours		15
Total Hours		120

Aerospace Administration and Operations: Professional Pilot (AAPP), Minor

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Academic Programs and Student Services, 101 Nancy Randolph Davis, 405-744-5053

Minimum Overall Grade Point Average: 2.50 with no grade below "C."

Total Hours: 26

Code	Title	Hours
Minor Requirements		
AVED 1114	Theory of Flight	4
AVED 1222	Private Flight Laboratory I	2
AVED 1232	Private Flight Laboratory II	2
AVED 1403	Advanced Theory of Flight	3
AVED 2122	Intermediate Flight Lab	2
AVED 2133	Instrument Flight Laboratory	3
AVED 2142	Commercial Maneuvers Flight Lab	2
AVED 2213	Theory of Instrument Flight	3
AVED 2313	Theory of Commercial Flight	3
AVED 3231	Theory of Multi-Engine Flight	1
AVED 3341	Multi-Engine Flight Laboratory	1
Total Hours		26

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.
- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (<https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf>).

Aerospace Administration and Operations: Professional Pilot, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 121

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH 1513	College Algebra (A) (or higher MATH or STAT (A) course)	3
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
GEOG 3033	Meteorology (N)	3
PHYS 1114	College Physics I (LN)	4
Or higher level PHYS		
<i>Social & Behavioral Sciences (S)</i>		
Course designated (S)		3
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		9
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
Select at least one Diversity (D) course		
Select at least one International Dimension (I) course		
College/Departmental Requirements		
EDHS 1112	First Year Seminar	2
Select 6 hours of electives		6
Recommended Courses (2 hours each below):		
AVED 4100	Specialized Studies in Aviation	
AVED 4200	Internship in Aviation	
Hours Subtotal		8

Major Requirements		
Minimum GPA 2.50 with a minimum grade of "C" in each course		
AVED 1114	Theory of Flight	4
AVED 1222	Private Flight Laboratory I	2
or AVED 1210	Private Flight Laboratory 1A	
AVED 1232	Private Flight Laboratory II	2
or AVED 1230	Private Flight Laboratory 2A	
AVED 1403	Advanced Theory of Flight	3
AVED 2122	Intermediate Flight Lab	2
or AVED 2120	Intermediate Flight Laboratory 1A	
AVED 2133	Instrument Flight Laboratory	3
or AVED 2130	Instrument Flight Laboratory 1A	
AVED 2142	Commercial Maneuvers Flight Lab	2
or AVED 2140	Commercial Maneuvers Flight Laboratory 1A	
AVED 2213	Theory of Instrument Flight	3
AVED 2313	Theory of Commercial Flight	3
AVED 3113	History of Aviation	3
AVED 3231	Theory of Multi-Engine Flight	1
AVED 3243	Human Factors in Aviation	3
AVED 3333	Advanced Aircraft Systems	3
AVED 3341	Multi-Engine Flight Laboratory	1
AVED 3433	Aviation/Aerospace Ethics	3
AVED 3443	Aviation Legal and Regulatory Issues	3
AVED 3453	Aviation/Aerospace Security Issues	3
AVED 3533	Aircraft Turbine Engine Operation	3
AVED 3663	Aerospace and Air Carrier Industry	3
AVED 4113	Aviation Safety	3
AVED 4133	Principles of Flight Instruction	3
AVED 4232	Flight Instructor: Airplane Flight Laboratory	2
or AVED 4230	Flight Instructor Flight Laboratory 1A	
AVED 4303	Aviation Weather	3
AVED 4353	Cockpit Automation	3
AVED 4653	International Aerospace Issues (I)	3
AVED 4703	Crew Resource Management	3
AVED 4993	Aviation Labor Relations	3
Hours Subtotal		73
Total Hours		121

Other Requirements

- 40 hours of upper-division coursework.
- A 2.50 GPA is required in the Major Requirements with no grade below a "C".

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as

these changes do not result in semester credit hours being added or do not delay graduation.

- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
AVED 1114	Theory of Flight	4
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
Course Designated "S, DS, or IS"		3
EDHS 1112	First Year Seminar	2
AVED 1222	Private Flight Laboratory I	2
Hours		17
Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
AVED 1403	Advanced Theory of Flight	3
POLS 1113	American Government	3
MATH 1513	College Algebra (A)	3
AVED 1232	Private Flight Laboratory II	2
Hours		14
Sophomore		
Fall		
AVED 3113	History of Aviation	3
AVED 2213	Theory of Instrument Flight	3
PHYS 1114	College Physics I (LN) (or higher level PHYS)	4
Course Designated "H, DH or HI"		3
AVED 2133	Instrument Flight Laboratory	3
Hours		16
Spring		
AVED 2313	Theory of Commercial Flight	3
AVED 3453	Aviation/Aerospace Security Issues	3
GEOG 3033	Meteorology (N)	3
Course Designated "A, H, N or S"		3
3 Hours of Elective (Choose "D" or "I" course if "D" or "I" requirement not already satisfied - LEIS courses do not count)		3
AVED 2122	Intermediate Flight Lab	2
Hours		17
Junior		
Fall		
AVED 3231	Theory of Multi-Engine Flight	1
AVED 3243	Human Factors in Aviation	3
AVED 3443	Aviation Legal and Regulatory Issues	3
AVED 4303	Aviation Weather	3
Course Designated "H, DH or HI"		3

AVED 2142	Commercial Maneuvers Flight Lab	2
Hours		15
Spring		
AVED 3533	Aircraft Turbine Engine Operation	3
AVED 4133	Principles of Flight Instruction	3
Course Designated "A, H, N or S"		3
3 Hours of Elective (LEIS courses do not count)		3
AVED 3341	Multi-Engine Flight Laboratory	1
Hours		13
Senior		
Fall		
AVED 4113	Aviation Safety	3
AVED 4653	International Aerospace Issues (I)	3
AVED 4993	Aviation Labor Relations	3
Course designated "A, H, N, or S"		3
AVED 3333	Advanced Aircraft Systems	3
AVED 4232	Flight Instructor: Airplane Flight Laboratory	2
Hours		17
Spring		
AVED 3433	Aviation/Aerospace Ethics	3
AVED 4703	Crew Resource Management	3
AVED 3663	Aerospace and Air Carrier Industry	3
AVED 4353	Cockpit Automation	3
Hours		12
Total Hours		121

Aerospace Administration and Operations: Technical Service Management, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH or STAT course designated (A)		3
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
Courses designated (N) with one (L)		7
<i>Social & Behavioral Sciences (S)</i>		
Course designated (S)		3
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		9
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
Select at least one Diversity (D) course		
Select at least one International Dimension (I) course		
College/Departmental Requirements		
Some or all may need to be upper-division		
EDHS 1112	First Year Seminar	2
Select 15 hours		15
Recommended Courses:		
AVED 1114	Theory of Flight	
AVED 1210	Private Flight Laboratory 1A	
or AVED 1222	Private Flight Laboratory I	

AVED 4100	Specialized Studies in Aviation (3 hours)	
AVED 4200	Internship in Aviation (variable hours)	
Hours Subtotal		17
Major Requirements		
Minimum GPA 2.50 with a minimum grade of "C" in each course		
AVED 3113	History of Aviation	3
AVED 3433	Aviation/Aerospace Ethics	3
AVED 3443	Aviation Legal and Regulatory Issues	3
AVED 3453	Aviation/Aerospace Security Issues	3
AVED 3513	Aviation/Aerospace Management Principles	3
or AVED 3333	Advanced Aircraft Systems	
AVED 3543	Aerospace Organizational Communications	3
or AVED 3243	Human Factors in Aviation	
AVED 3573	Aviation/Aerospace Finance	3
or AVED 3533	Aircraft Turbine Engine Operation	
AVED 3663	Aerospace and Air Carrier Industry	3
AVED 4113	Aviation Safety	3
AVED 4653	International Aerospace Issues (I)	3
AVED 4663	Aerospace Leadership	3
or AVED 4303	Aviation Weather	
AVED 4953	Corporate and General Aviation Management	3
or AVED 4353	Cockpit Automation	
AVED 4993	Aviation Labor Relations	3
Select 24 hours of coursework in Aviation Science		24
Hours Subtotal		63
Total Hours		120

Other Requirements

- 40 hours of upper-division coursework.
- A 2.50 GPA is required in the Major Requirements with no grade below a "C".

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an example of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to

enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
EDHS 1112	First Year Seminar	2
MATH or STAT course designated (A)		3
Course designated (H), (DH) or (HI)		3
Hours		14
Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
POLS 1113	American Government	3
Course designated (H), (DH) or (HI)		3
Course designated (A), (H), (N) or (S)		3
Course designated (N, L)		4
Hours		16
Sophomore		
Fall		
AVED 3113	History of Aviation	3
Course designated (A), (H), (N) or (S)		3
Aviation Applied Science Elective course		6
3 hours of electives - choose (D) or (I) course if (D) or (I) requirement not already satisfied; LEIS courses do not count		3
Hours		15
Spring		
AVED 3453	Aviation/Aerospace Security Issues	3
Course designated (N)		3
Course designated (A), (H), (N) or (S)		3
6 hours of electives - LEIS courses do not count		6
Hours		15
Junior		
Fall		
AVED 3333 or AVED 3513	Advanced Aircraft Systems or Aviation/Aerospace Management Principles	3
AVED 3543 or AVED 3243	Aerospace Organizational Communications or Human Factors in Aviation	3
Aviation Applied Science Elective course		6
3 hours of electives - LEIS courses do not count		3
Hours		15
Spring		
AVED 3433	Aviation/Aerospace Ethics	3
AVED 3443	Aviation Legal and Regulatory Issues	3
AVED 3533 or AVED 3573	Aircraft Turbine Engine Operation or Aviation/Aerospace Finance	3
Course designated (S), (DS), or (IS)		3
Aviation Applied Science Elective course		3
Hours		15
Senior		
Fall		
AVED 4113	Aviation Safety	3
AVED 4993	Aviation Labor Relations	3
AVED 4303 or AVED 4663	Aviation Weather or Aerospace Leadership	3
Aviation Applied Science Elective course		6
Hours		15

Spring		
AVED 3663	Aerospace and Air Carrier Industry	3
AVED 4353 or AVED 4953	Cockpit Automation or Corporate and General Aviation Management	3
AVED 4653	International Aerospace Issues (I)	3
3 hours of electives - LEIS courses do not count		3
Aviation Applied Science Elective course		3
Hours		15
Total Hours		120

Creativity Studies (CRST), Minor

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Academic Programs and Student Services, 101 Nancy Randolph Davis,
405-744-5053

Minimum Overall Grade Point Average: 2.50 with no grade below "C."

Total Hours: 18

Code	Title	Hours
Minor Requirements		
EPSY 3063	Critical Thinking, Problem Solving, and Creative Processes	3
EPSY 4063	Exploration of the Creative Experience	3
EEE 4663	Imagination in Entrepreneurship	3
Select 3 courses (9 hours), no more than two courses in any department, of the following:		9
AMST 3550	The Arts and American Society	
DM 2003	Problem Solving Strategies	
EEE 4010	Special Topics in Entrepreneurship	
EEE 4113	Dilemmas and Debates in Entrepreneurship	
EEE 4503	Designing, Prototyping, Testing	
HDFS 2233	Development of Creative Expression, Play and Motor Skills in Early Childhood	
PHIL 4113	Philosophy and the Arts (H)	
Total Hours		18

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.
- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (<https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf>).

Instructional Design, UCRT

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Total hours: 16

Code	Title	Hours
Required courses		
EDTC 4753	Introduction to Instructional Design	3
EDTC 4103	Advanced Computing Applications in Education	3
EDTC 4503	Facilitating Online Learning	3
EDTC 4773	Instructional Systems Project Management	3
Four hours from:		4
EDTC 4110	Special Topics in Educational Technology	
Total Hours		16

Learning and Motivation (LEMO), Minor

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Academic Programs and Student Services, 101 Nancy Randolph Davis,
405-744-5053

Minimum Overall Grade Point Average: 3.0 with no grade below "C."

Total Hours: 18

Code	Title	Hours
Minor Requirements		
EPSY 3533	Motivating Learners	3
EPSY 4223	Psychological Foundations of Learning and Instruction	3
Select one of the following:		3
EPSY 3113	Psychological Foundations of Childhood	
EPSY 3213	Psychology of Adolescence	
EPSY 3413	Child and Adolescent Development	
Select 9 hours from the following:		9
CPSY 4443	Cultural Diversity in Professional Life (D)	
EPSY 3063	Critical Thinking, Problem Solving, and Creative Processes	
EPSY 4063	Exploration of the Creative Experience	
EPSY 4533	Competency Motivation	
SPED 3202	Educating Exceptional Learners (D)	
EPSY 4743	Learning, Motivation, and Social Justice (Course effective Fall 2019)	
Total Hours		18

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.
- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (<https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf>).

Learning and Motivation, UCRT

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Total Hours: 18

Code	Title	Hours
Required Courses		
EPSY 4223	Psychological Foundations of Learning and Instruction	3
EPSY 3533	Motivating Learners	3
CPSY 4443	Cultural Diversity in Professional Life (D)	3
Select three hours from the following:		3
EPSY 3113	Psychological Foundations of Childhood	
EPSY 3213	Psychology of Adolescence	
EPSY 3413	Child and Adolescent Development	
Select six hours from the following:		6
EPSY 3063	Critical Thinking, Problem Solving, and Creative Processes	
EPSY 4063	Exploration of the Creative Experience	
EPSY 4533	Competency Motivation	
EPSY 4743	Learning, Motivation, and Social Justice	
Total Hours		18

School of Kinesiology, Applied Health and Recreation

Dr. Bert Jacobson, EdD—School Head, Regents Professor, Seretean Endowed Professor

The School of Kinesiology, Applied Health and Recreation (KAHR) offers undergraduate and graduate programs in Applied Exercise Science, Recreation and Athletic Management, Recreational Therapy, Health and Human Performance, and Leisure Studies. These programs provide excellence in graduate and undergraduate education through current academic relevance and proven standards. Candidates are encouraged to engage in scholarly inquiry and research productivity to benefit the people of Oklahoma and beyond. Areas of service extend through involvement with the university, community, state and nation. The commonality in programs within KAHR provides unique opportunities for program interaction and collaboration for both faculty and students.

Course Prefixes

Course prefixes in KAHR include HHP (Health and Human Performance); RMRT (Recreation and Athletic Management and Recreational Therapy); RM (Recreation and Athletic Management); RT (Recreational Therapy); and LEIS (Leisure Studies).

Applied Exercise Science

Jason Defreitas, PhD—Associate Professor and HHP Coordinator

The program in Applied Exercise Science at OSU prepares students through coursework such as biomechanics, exercise physiology, exercise psychology, exercise testing, sports nutrition, cardiac rehabilitation, strength and conditioning, and overall fitness for both healthy individuals and those with special needs. The Degree offers two options: Pre-Professional and Strength and Conditioning. The Pre-Professional concentration is designed for undergraduates interested in careers in Clinical Exercise Physiology, Cardiac/Stroke Rehabilitation, Physical Therapy, Occupational Therapy, Athletic Training, and graduate school. The Strength and Conditioning concentration is designed for students interested in careers in Strength and Conditioning, Personal Training, Fitness Instructor, Coaching, Fitness Facility Management, etc. The Strength and Conditioning concentration is recognized by the National Strength and Conditioning Association (NSCA) for our emphasis in strength and conditioning. The NSCA Education Recognition Program (ERP) recognizes and distinguishes schools with standardized, approved strength and conditioning or personal training curricula in undergraduate and graduate settings designed to prepare students for the NSCA-Certified Personal Trainer® (NSCA-CPT®) and NSCA Certified Strength and Conditioning Specialist® (CSCS®) certifications. This degree would also serve to prepare the student not only for the NSCA-CPT and CSCS, but for professional certification examinations, such as Certified Special Population Specialist (CSPS), Certified Physical Therapist (CPT), Certified Health Fitness Specialist (HFS), Certified Exercise Physiologists (EP-C), etc.

Recreation and Athletic Management and Recreational Therapy

Tim Passmore, EdD, CTRS/L, FDRT—Professor and Program Coordinator

The program in Recreation Management and Recreational Therapy Program prepares students at the undergraduate and graduate levels

for careers in recreation management and recreational therapy. The undergraduate program in Recreational Therapy is accredited through the Committee on Accreditation of Recreational Therapy Education by the Commission on Accreditation of Allied Health Programs. Students completing the Recreational Therapy program are eligible to sit for the National Council for Therapeutic Recreation Certification (CTRS) and apply for Medical Licensure in the State of Oklahoma through the Oklahoma Medical Licensure Board. Recreational Therapy prepares students to work in a variety of settings including hospitals, rehabilitation centers, day programs, institutions and within the community. Recreational Therapy is a valued part of the health care and human services. Individuals with illness, disabilities or limitations are helped to restore, enhance or maintain their health, independence and well-being through recreational therapy.

Those students completing the Recreation and Athletic Management program are eligible to sit for the Certified Park and Recreation Professional. Recreation Management prepares students for employment in a variety of settings such as municipal, commercial, and corporate recreation; state and national park services; YMCAs and YWCAs; and armed services recreation. Recreation Management is a growing field and is a multi-billion dollar industry. Non-majors may complete a 21-credit minor in Recreation Management.

Sport & Coaching Science

Program Area Faculty: Jay Dawes, PhD

The Sport & Coaching Science degree prepares students at the undergraduate level for careers in athletic coaching and ancillary fields. The curriculum prepares professionals for certification via various sports organizations relevant to their specific sport of interest (e.g., United States Tennis Association, National Football League, United States Volleyball Association), or prepares them to successfully achieve other sport and exercise-based certifications such as personal training. The degree will also prepare students for the many graduate programs available nationwide in coaching science and education.

The Sport & Coaching Science Program prepares students for work and further study in a variety of settings including: professional, collegiate, or secondary school sport organizations; elite training facilities; athletic league officiating; small businesses (e.g., karate, cheer, gymnastics); sport psychology; athletic training; strength and conditioning; and sports management.

Programs/Areas of Emphasis Degrees

Degrees offered through KAHR programs include Bachelor of Science (BS), Graduate Certificate (GCRT), Master of Science (MS) and Doctor of Philosophy (PhD).

Applied Exercise Science

- Applied Exercise Science
 - Pre-Professional - BS
 - Strength and Conditioning - BS
 - Sport and Coaching Science - BS

Health and Human Performance

- Health and Human Performance - MS
- Health, Leisure and Human Performance - PhD
- Leisure Studies - MS

Recreation and Athletic Management and Recreational Therapy

- Recreation and Athletic Management - BS
- Recreational Therapy - BS

Courses

HHP 1703 Introduction to Exercise Science

Description: An introductory course of the general history, theories, principles, nature and scope of Exercise Science. This includes foundations and sub-disciplines, an understanding of essential skills, and career opportunities.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 1753 Introduction to Physical Education

Description: The nature, scope and significance of physical education. Historical and philosophical foundations, major sub-disciplines and their interrelationships, and career opportunities. Previously offered as PE 1753.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 1823 Pedagogy of Non-Traditional Activities, Rhythm, and Movement

Prerequisites: HHP and RMRT majors and minors only.

Description: Introduction of activities typically taught to supplement individual or team sports in addition to basic fundamentals and methods of movement skills for rhythms including social, creative, developmental, and multicultural dance and activities. Content includes teaching strategies, assessments, skills analysis, skill components, concepts, terms, safety issues, selection of developmentally appropriate activities, and scope and sequencing of skill components by grade level.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 1843 Pedagogy of Individual Activities

Prerequisites: HHP and RMRT majors and minors only.

Description: Introduction of activities typically taught as individual sports and activities. Teaching strategies, skill components, terms, safety issues, and selection of developmentally appropriate individual activities, scope and sequencing of skill components, assessment, lesson structure, and writing performance objectives. Previously offered as HHP 1842.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 2222 Introduction to Health Aspects of Gerontology

Description: An introductory course of the physical and physiological aspects of aging combined with common pathology and intervention.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 2553 Basic Athletic Injury Management

Prerequisites: HHP 2654.

Description: Identification of emergency medical situations and application of basic care for injury occurring in school and athletic setting.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 2602 First Aid

Description: A competency- and performance-based first aid course. Course previously offered as HLTH 2602.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 2654 Applied Anatomy

Prerequisites: BIOL 1114 or (BIOL 1113 and BIOL 1111).

Description: Action and location of individual muscles and muscle groups. Anatomy as applied to a living person. Common anatomical injuries and diseases will be presented with each joint structure. Lab sections will be structured around specific content area for students' discipline. Course previously offered as HHP 2653 and HLTH 2653.

Credit hours: 4

Contact hours: Lecture: 3 Lab: 2 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Kinesiology, Appl Health, Rec

HHP 2802 Medical Terminology for the Health Professions

Description: Basic knowledge and understanding of medical language and terminology used in allied health and health professions.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 3010 Health and Human Performance Workshop

Description: Concentrated study of selected areas of health and human performance, including problems in instruction and administration not usually addressed in the undergraduate curriculum. Course previously offered as HPEL 3010. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

HHP 3114 Physiology of Exercise

Prerequisites: MATH 1513.

Description: A study of the various bodily systems, including major organs and tissues, and how they respond to acute and chronic exercise of varying intensity, duration and frequency. Course previously offered as PE 3114.

Credit hours: 4

Contact hours: Lecture: 3 Lab: 2 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Kinesiology, Appl Health, Rec

HHP 3123 Principles of Personal Training

Description: To develop an understanding of the basic skills and competencies in personal training and evaluation and prepare for the National Strength and Conditioning Association (NSCA) personal trainer certification exam. A detailed study of personal training inclusive of musculoskeletal and cardiorespiratory anatomy, resistance training, aerobic exercises, nutrition, health appraisal, fitness testing, flexibility, and plyometric training. The role of the personal trainer will also be addressed.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 3133 Sport Supplements For Human Performance

Description: To develop an understanding of the proper selection and administration of sport supplements, risk factors involved in consuming supplements, and discussion of how specific supplements may or may not affect performance.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 3233 General Medical Concepts

Prerequisites: HHP 2654, HHP 2664, and ZOO 3204, CHEM 1314, HHP 3673.

Description: Specific pathologies, medical conditions, and possible avenues for treatment of non-orthopedic conditions. Based in current medical research, theory and practical outcomes.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 3333 Ethics in Sports Administration and Coaching

Description: Exploration of the ethical, legal, and professional dilemmas that occur in athletic administration and coaching.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 3433 Early Laboratory Clinical Experiences in Physical Education

Prerequisites: HHP 1753 or consent of the instructor.

Description: The initial pre-professional clinical experience for schools, kindergarten through grade twelve, with primary duties including assisting in physical education classes. Required for full admission to Professional Education. Graded on a pass-fail basis. Previously offered as HHP 3431.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Kinesiology, Appl Health, Rec

HHP 3443 Psychosocial Aspects of Sport and Coaching

Description: Examination of the psychological aspects of sport that impact the performances of coaches and athletes.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 3553 Theory and Practice of Coaching

Description: The purpose of the course is to introduce and analyze the essential concepts and knowledge concerned with coaching in sports and related areas. This course provides a platform from which deeper knowledge in specific sub disciplines can be acquired through class specialization.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 3663 Biomechanics

Prerequisites: HHP 2654.

Description: The study of anatomical mechanical phenomena underlying human motion. Application of biomechanical concepts to a wide variety of exercise, fundamental movement, sport and physical activity. Course previously offered as PE 3663.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 3753 Methods in Teaching Elementary Physical Education

Prerequisites: HHP 1753, and HHP 1833, and HHP 1843, and HHP 3433.

Description: Instructional styles, implementation of behavioral goals and objectives through unit and lesson preparation, teaching methods and classroom management. Course previously offered as PE 3753.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 3773 Methods in Teaching Secondary Physical Education

Prerequisites: HHP 1753, and HHP 1833, and HHP 1843, and HHP 3433.

Description: Instructional styles, implementation of behavioral goals and objectives through unit and lesson preparation, teaching methods and classroom management. Course previously offered as PE 3773.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 3883 Coaching Internship

Description: Experience working with individual athletes, teams, coaches, and others in a practical setting.

Credit hours: 3

Contact hours: Contact: 3 Other: 3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

HHP 3924 Therapeutic Exercise

Prerequisites: HHP 3802.

Description: Scientific methods used in therapeutic exercise and rehabilitation of injuries. Investigation of mechanisms of injury, anatomical structures involved and methodological approach in designing rehabilitative programs. Course previously offered as HHP 3923, HHP 4923, and HLTH 4922.

Credit hours: 4

Contact hours: Lecture: 3 Lab: 2 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Kinesiology, Appl Health, Rec

HHP 3933 Tactical Strength and Conditioning

Prerequisites: Exercise Science major, or consent of instructor

Description: Theoretical and practical knowledge necessary to design safe and effective strength and conditioning programs for improving human performance for the Tactical Athlete (i.e., law enforcement, firefighters, and military personnel). Emphasis will be placed on the fundamental principles underlying the prescription of aerobic and anaerobic fitness and performance regimes to enhance occupational performance.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 3993 Building and Sustaining a Successful Sports Program

Description: Students learn skills and knowledge necessary to build a successful and sustainable sports program.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 4010 Directed Study

Prerequisites: Written approval by department head.

Description: Supervised readings, research or independent study of trends and issues related to the area of health, physical education or leisure services. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

HHP 4013 Motor Control and Learning

Prerequisites: BIOL 3204 or HHP 3114.

Description: An in-depth study of the neural control of movement, motor learning and performance. Particular emphasis will be placed on the neural and physiological basis of human movement, motor learning theory, and the development of motor abilities.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 4063 Neuroanatomy

Description: Comprehensive overview of the normal structure and function of the nervous system and its divisions under conditions of normal health as well as disease. Designed for neuroscientists, pre-medical, and health professions students. An introduction to clinically-oriented neurological assessment will be provided.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 4083 Physiology of Aging

Description: This course will focus on how key physiological systems, such as musculoskeletal, neuromuscular, and sensory organs, develop and function throughout different phases of the human lifespan. Additionally, pathophysiologies associated with physical performance and age-related declines of these systems will be discussed at length.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 4124 Principles of Strength and Conditioning

Description: Designing and implementing safe and effective strength training and conditioning programs and apply exercise prescription principles for training, injury prevention, and reconditioning. This course is also designed to prepare students for the National Strength and Conditioning Association (NSCA) Certified Strength and Conditioning Specialist (CSCS) exam. Previously offered as HHP 4123.

Credit hours: 4

Contact hours: Lecture: 3 Lab: 2 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Kinesiology, Appl Health, Rec

HHP 4243 Research Methods in Athletic Training**Prerequisites:** STAT 2013.**Description:** Interactive study of importance and process of conducting ethical research in athletic training and the healthcare professions. Emphasis placed on research design, ethics, collection of data, and the dissemination of results.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**HHP 4443 International Perspectives of Coaching****Prerequisites:** Permission of the Instructor.**Description:** Students will acquire experiential coaching opportunities in an international environment, and will design and deliver coaching across a variety of sports and across multiple age groups.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**HHP 4451 Athletic Training Practicum V****Prerequisites:** Successful completion of HHP 3461.**Description:** Directed observation in supervised advanced laboratory and clinical experiences in athletic training.**Credit hours:** 1**Contact hours:** Lab: 2 Contact: 2**Levels:** Undergraduate**Schedule types:** Lab**Department/School:** Kinesiology, Appl Health, Rec**HHP 4461 Athletic Training Practicum VI****Prerequisites:** Successful completion of HHP 3233, HHP 4451.**Description:** Directed observation in supervised advanced laboratory and clinical experiences in athletic training.**Credit hours:** 1**Contact hours:** Lab: 2 Contact: 2**Levels:** Undergraduate**Schedule types:** Lab**Department/School:** Kinesiology, Appl Health, Rec**HHP 4480 Internship in Health and Human Performance****Prerequisites:** Last semester senior standing with cumulative GPA of 2.50.**Description:** Supervised experience in school (physical education and health), community worksite or athletic training settings in order to qualify or prepare for appropriate teaching and professional certification. Course previously offered as PE 4480. Offered for variable credit, 1-12 credit hours, maximum of 12 credit hours.**Credit hours:** 1-12**Contact hours:** Contact: 1-12 Other: 1-12**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Kinesiology, Appl Health, Rec**HHP 4643 School Health and Safety for Physical Educators****Description:** Health and safety content for which physical educators are held responsible.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**HHP 4723 Assessment in Physical Education****Prerequisites:** Full admission to professional education.**Description:** Evaluation techniques commonly used by physical educators and health professionals to measure knowledge, attitudes, sport skill proficiency and physical fitness. Course previously offered as PE 4723.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**HHP 4733 Organization, Administration and Curriculum in Physical Education and Athletics****Prerequisites:** HHP 3753, HHP 3773 or concurrent enrollment; full admission to professional education.**Description:** Curricular design and management of physical education (P-12) and athletic programs. Course previously offered as PE 4733.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**HHP 4773 Principles of Exercise Testing and Prescription****Prerequisites:** HHP 3114.**Description:** Study of principles of exercise testing including submaximal and maximal tests, exercise and basic electrocardiography, and guidelines for recommending exercise as related to health promotion and exercise science. Course previously offered as HLTH 4773.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**HHP 4793 Adapted Physical Education****Prerequisites:** HHP 3753, HHP 3773, full admission to Professional Education.**Description:** Cognitive and psychomotor characteristics of disabling conditions, needs and challenges of educating the exceptional learner in the regular physical education program. Course previously offered as PE 4793.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**HHP 4933 Administration and Organization of Athletic Training Programs****Prerequisites:** HHP 4451.**Description:** The administration and organization of athletic training programs including planning and implementation, certification procedures, code of professional practice, safety standards and resource management. Course previously offered as HLTH 4933.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec

HHP 4970 Internship AES: Pre-Professional**Prerequisites:** HHP 3114 & HHP 4773**Description:** The internship program for Applied Exercise Science (AES) at Oklahoma State University is intended for students to observe and gain practical experience in a professional environment in which they plan to work as a career. The internship experience consists of securing a placement such as a hospital setting, rehabilitation clinic, commercial fitness site, athletic trainer, athletic strength and conditioning department, or similar areas. Evaluation of the internship experience rests on the supervising faculty and internship supervisor. Graded pass/fail.**Credit hours:** 1-5**Contact hours:** Contact: 1-5 Other: 1-5**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Kinesiology, Appl Health, Rec**HHP 4980 Internship in AES: Strength and Conditioning****Prerequisites:** HHP 3114 & HHP 4124**Description:** The internship program for Applied Exercise Science (AES) at Oklahoma State University is intended for students to observe and gain practical experience in a professional environment in which they plan to work as a career. The internship experience consists of securing a placement such as a, hospital setting, rehabilitation clinic, commercial fitness site, athletic trainer, athletic strength and conditioning department, or similar areas. Evaluation of the intern experience rests on the supervising faculty and the internship supervisor. Graded pass/fail.**Credit hours:** 1-5**Contact hours:** Contact: 1-5 Other: 1-5**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Kinesiology, Appl Health, Rec**HHP 5000 Master's Thesis****Description:** Independent research required of candidates for master's degree. Credit awarded upon completion of thesis. Course previously offered as HPEL 5000. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.**Credit hours:** 1-6**Contact hours:** Contact: 1-6 Other: 1-6**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Kinesiology, Appl Health, Rec**HHP 5010 Seminar****Description:** Selected topics from the profession not covered in other courses. Presentation and critique of research proposals and results. Course previously offered as HPEL 5010. Offered for variable credit, 1-2 credit hours, maximum of 4 credit hours.**Credit hours:** 1-2**Contact hours:** Contact: 1-2 Other: 1-2**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Kinesiology, Appl Health, Rec**HHP 5020 Health and Human Performance Workshop****Description:** Workshop in selected areas of health and human performance. Course previously offered as HPEL 5020. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.**Credit hours:** 1-3**Contact hours:** Lecture: 1-3 Contact: 1-3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**HHP 5030 Field Problems in Health and Human Performance****Description:** Individual investigations of issues in the areas of health and human performance. Course previously offered as HPEL 5030. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.**Credit hours:** 1-3**Contact hours:** Contact: 1-3 Other: 1-3**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Kinesiology, Appl Health, Rec**HHP 5033 Advanced Techniques in Orthopedic Assessment****Description:** Knowledge in evaluating various upper and lower extremity orthopedic injuries.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**HHP 5053 Research Design in Leisure, Health and Human Performance****Prerequisites:** PSYC 5303 or STAT 5013.**Description:** Research design with applicability toward leisure, health and human performance. Conceptual understanding of theory, tools and processes involved in designing research. Course previously offered as LEIS 5053.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**HHP 5063 Neuroanatomy****Description:** Comprehensive overview of the normal structure and function of the nervous system and its divisions under conditions of normal health as well as disease. Designed for neuroscientists, pre-medical, and health professions students. An introduction to clinically-oriented neurological assessment will be provided.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**HHP 5073 Psychological Aspects of Sport****Description:** Psychological foundations of sport emphasizing performance enhancement by athletes through psychological training techniques. Course previously offered as HPEL 5073.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**HHP 5083 Physiology of Aging****Description:** This course will focus on how key physiological systems, such as musculoskeletal, neuromuscular, and sensory organs, develop and function throughout different phases of the human lifespan.

Additionally, pathophysiology associated with physical performance and age-related declines of these systems will be discussed at length.

Credit hours: 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec

HHP 5523 Current Readings in Health

Description: Contemporary research, literature, projections and views as applied to total health and well-being. Course previously offered as HPEL 5523.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 5603 Principles of Performance Enhancement

Prerequisites: HHP 2654, HHP 3114, ZOO 3204.

Description: Theoretical foundation of specific tenets of exercise and performance enhancement. Upon successful course completion students will be eligible to sit for the National Academy of Sports Medicine (NASM) examination for NASM Performance Enhancement Specialist certification.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 5703 Principles of Corrective Exercise

Description: A scientific approach to corrective exercise program design and implementation.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 5733 Motor Learning

Description: Research in psychology and physical education relevant to the understanding of the nature and basis of motor skill learning. Course previously offered as HPEL 5733.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 5823 Applied Neuromuscular Physiology

Prerequisites: HHP 2654.

Description: Structure and behavior of the human body, especially as it pertains to movement. Particular emphasis will be placed on neuroanatomy, the muscular system, and the neurophysiological basis of human movement. An introduction to clinical motor-related disorders will also be provided. Course previously offered as HPEL 5823.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 5843 Applied Biomechanics

Prerequisites: HHP 5823

Description: Instruction and hands-on experience in the applied techniques to measure human movement and performance.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

Additional Fees: HPE/CPSY Consummable Mat fee of \$10 applies.

HHP 5853 Clin Ex Test & Prescript

Prerequisites: HHP 3114.

Description: An in-depth study of the principles and application of clinical exercise testing including submaximal and maximal tests, oxygen consumption, and electrocardiography. Guidelines to prescribing individualized exercise plans will also be covered. Special attention will be paid to clinical variables and special populations. Course previously offered as HPEL 5853.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

Additional Fees: HPE/CPSY Consummable Mat fee of \$15 applies.

HHP 5873 Human Bioenergetics

Prerequisites: HHP 3114.

Description: Human energy production, utilization and storage in response to exercise. Course previously offered as HPEL 5873.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 5923 Readings in Neurophysiology

Prerequisites: HHP 5823: Applied Neuromuscular Anatomy and Neurophysiology.

Description: Establishes a foundation in neurophysiology, particularly relating to the neural control of human movement. Developed through examining original research, especially the seminal articles from this field with special emphasis on areas of contention and controversy.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 6000 Doctoral Dissertation

Description: Exploration and presentation of selected topics and research in health and human performance. Course previously offered as HPEL 6000. Offered for variable credit, 1-25 credit hours, maximum of 25 credit hours.

Credit hours: 1-25

Contact hours: Contact: 1-25 Other: 1-25

Levels: Graduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

HHP 6010 Independent Study in Health and Human Performance

Prerequisites: Consent of instructor.

Description: Supervised readings, research or independent study of trends and issues related to the areas of health and human performance. Course previously offered as HPEL 6010. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

HHP 6020 Research Colloquium

Description: Exploration and presentation of selected topics and research in health and human performance. Course previously offered as HPEL 6020. Offered for variable credit, 1-3 credit hours, maximum of 3 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

HHP 6063 Grant Writing in Kinesiology, Applied Health, and Recreation

Prerequisites: Consent of instructor.

Description: Develop competitive grant writing skills, budget preparation, identification and selection of funding opportunities, and understanding the review and awards process. Course Previously offered as HHP 6060.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

HHP 6083 Biomedical Signal Acquisition

Description: Writing custom software for use in a laboratory setting using LabVIEW. Intended for any lab-based science degree programs in which signals are acquired and analyzed, especially BIOMEDICAL SIGNALS. Acquiring data, interfacing with laboratory equipment, and analyzing and organizing data, with self-designed custom software program. No prior computer programming knowledge required.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

LEIS 1232 Beginning Golf

Description: Theory and practice of basic skills, rules, terminology and etiquette.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

General Education and other Course Attributes: Leisure Performance Activity

LEIS 1242 Beginning Tennis and Racquetball

Description: Theory and practice of tennis and racquetball; basic skills, rules, terminology, and game strategy for singles and doubles play. No credit for students with credit in LEIS 1252.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

General Education and other Course Attributes: Leisure Performance Activity

LEIS 1252 Beginning Tennis

Description: Theory and practice of basic skills, rules, terminology and game strategy for singles and doubles play. No credit for students with credit in LEIS 1242.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

General Education and other Course Attributes: Leisure Performance Activity

LEIS 1322 Bowling

Description: Theory and practice of approaches, deliveries, releases and mechanical principles involved in aiming and follow through.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

General Education and other Course Attributes: Leisure Performance Activity

LEIS 1342 Physical Fitness

Description: Theory and practice of aerobic and weight training activities with learning experiences designed to promote physical fitness.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

General Education and other Course Attributes: Leisure Performance Activity

LEIS 1352 Weight Training

Description: Improvement of muscular strength and endurance in the major muscle groups of the body through progressive resistive exercise. Fundamental anatomy, physiology, mechanical principles, methods and techniques as applied to weight training programs.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

General Education and other Course Attributes: Leisure Performance Activity

LEIS 1362 Self Defense

Description: Theory and practice of self defense; scientific principles of gravity and body control over opposing forces, and principles of contest judo.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

General Education and other Course Attributes: Leisure Performance Activity

LEIS 2112 Rock Climbing

Description: Theory and practice in the basics of technical rock climbing, bouldering and spelunking.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

General Education and other Course Attributes: Leisure Performance Activity

LEIS 2122 Backpacking and Hiking

Description: Theory and practice of outdoor skills and leadership techniques for executing and evaluating a wilderness activity.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

General Education and other Course Attributes: Leisure Performance Activity

LEIS 2322 Recreational Dance

Description: Theory and practice of traditional social dances and a variety of "free style" dance forms.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

General Education and other Course Attributes: Leisure Performance Activity

LEIS 6043 Ethical Issues in Health, Leisure, and Human Performance

Prerequisites: Admission to the Graduate College.

Description: A survey of ethical issues with specific emphasis on health, leisure, and human performance in higher education.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 2403 Recreation and Society (I)

Description: Exploration of the influence of recreation and leisure culture internationally to understand how society's view impacts individuals, families & communities, simultaneously. Students will engage multiple resources (readings, meetings, site visits, multidisciplinary discussions, critical reflections through written & video production) on the ways recreation and leisure practices are internationally influenced by economic, political & social drivers. Prev. offered as RMTR 2403 & RMRT 2403.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

General Education and other Course Attributes: International Dimension

RM 2413 Introduction to Recreation Management

Description: The nature, scope and significance of recreation and leisure. Delivery systems for recreation, major program areas, and the interrelationship of special agencies and institutions serving the recreation needs of society. Introducing the history, philosophies, and theories related to Recreation Management. Previously offered as RMTR 2413 and RMRT 2413.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 2463 Recreation Management and Recreational Therapy Laboratory

Description: Lecture, discussion and experiential learning of recreation and recreational therapy activities. Adapted activities, small and large group games, sports, arts and crafts, music, dance, drama, outdoor, aquatics, wellness, and cultural activities are included. Students also learn to determine what activities to select for various target populations. Previously offered as RMTR 2463 and RMRT 2463.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Kinesiology, Appl Health, Rec

RM 2473 Foundation of Recreation Management Leadership

Description: Introduction to the principles and practical applications of group leadership techniques, problem solving, supervision of personnel and participants in recreation services and settings. Previously offered as RMTR 2473 and RMRT 2473.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 3010 Workshop in Recreation Management

Prerequisites: Instructor Permission.

Description: Intensive training program on a specialized topic in Recreation Services. Previously offered as RMTR 3010 and RMRT 3010. Offered for variable credit, 1-3 credit hours, maximum of 9 credit hours.

Credit hours: 1-9

Contact hours: Contact: 1-9 Other: 1-9

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

RM 3212 Lifeguard Training

Description: Theory and practice of water safety and rescue skills essential for lifeguards. May obtain American Red Cross Lifeguard Training Certification. Previously offered as RMTR 3212 and RMRT 3212.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 3313 Camp Operations and Programs

Description: Operations and programming for day and resident camps. Includes all camp settings and camper populations. Previously offered as RMTR 3313 and RMRT 3313.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 3463 Recreation Program and Event Planning

Prerequisites: RM 2413 and RM 2463.

Description: Emphasis on planning, organization, supervision, promotion and evaluation of recreation programs and special events. Previously offered as RMTR 3463 and RMRT 3463.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 3483 Jr. Internship in Recreation Management

Prerequisites: RM 2413 and RM 2463.

Description: Supervised practical experience with leadership responsibilities for planning, leading, and evaluating recreation activities and programs. Graded on pass-fail basis. Previously offered as RMRT 3483.

Credit hours: 3

Contact hours: Contact: 3 Other: 3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

RM 4010 Directed Studies in Recreation Management

Prerequisites: Consent of instructor.

Description: Supervised readings, research or study of trends and issues related to Recreation Management. Previously offered as RMTR 4010. Offered for variable credit, 1-9 credit hours, maximum of 9 credit hours.

Credit hours: 1-9

Contact hours: Contact: 1-9 Other: 1-9

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

RM 4013 Recreation and a Technologically Advanced Society

Prerequisites: RM 2413 and RM 2463.

Description: Investigate the recreational needs of modern society locally and globally. Consider new methods of recreation participation and communicating recreation information to target populations and devise strategies to implement these methods. Utilize modern tools to incorporate recreation activities into participants' lives. Previously offered as RMRT 4013. May not be used for degree credit with LEIS 5013 or RMRT 5013.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 4023 Recreation Specialization and Serious Leisure

Prerequisites: RM 2413 and RM 2463.

Description: The Serious Leisure Theory focuses on leisure participation in which a person is highly concentrated on one pursuit. This course investigates the details of the theory, how this theory can be observed in participants, and how to facilitate recreation and leisure programs to fulfill the needs of those engaged in Serious Leisure pursuits. Previously offered as RMRT 4023. May not be used for degree credit with LEIS 5033 or RMRT 5033.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 4213 Water Safety Instructorship

Description: Methods of teaching swimming and aquatic safety with practical application of knowledge, principles and analysis of skills. May obtain American Red Cross Water Safety Instructor's Certification (WSI). Previously offered as RMTR 4213 and RMRT 4213.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 4433 Evaluation in Recreation Management Services

Description: Methods, techniques and application of the evaluation process related to a wide variety of recreation management functions: participant, programs, personnel, facilities and organization. Previously offered as RMTR 4433 and RMRT 4433.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 4453 Outdoor Education and Interpretation

Description: Development of a holistic approach to teaching and learning in the outdoors. Learning in, about, and for, the out-of-doors as a process for acquiring skills with which to enjoy outdoor pursuits. Previously offered as RMTR 4453 and RMRT 4453. May not be used for degree credit with LEIS 5603 or RMRT 5603.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 4463 Areas and Facilities in Recreation Management

Prerequisites: RM 3463 or consent of instructor.

Description: Planning, design and development of areas and facilities in recreation service delivery systems. Previously offered as RMTR 4463 an RMRT 4463. May not be used for degree credit with LEIS 5703 or RMRT 5703.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 4473 Recreation in the Natural Environment

Description: Theory and practical application of outdoor recreation concepts with emphasis on philosophies, principles, policies, economics, trends and problems. Previously offered as RMTR 4473 and RMRT 4473. May not be used for degree credit with LEIS 5403 or RMRT 5403.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 4481 Senior Seminar in Recreation Management

Prerequisites: RMRT major and completion of a minimum of 15 hours of Recreation Management core or Instructor Permission.

Description: Culmination of course work in Recreation Management. Examine professional practices and philosophies. Previously offered as RMTR 4481 and RMRT 4481.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 4493 Administration of Recreation Services

Description: Decision-making, problem solving, personnel policies, legal issues, fiscal policies and budget procedures related to the delivery of recreation services. Previously offered as RMTR 4493 and RMRT 4493.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 4513 Recreation and Leisure Education

Prerequisites: RM 2463 and RM 3463.

Description: Models of recreation and leisure education discussed and practices in conjunction with enhancing student's ability with basic skills in facilitating optimal recreation pursuits. Previously offered as RMTR 4513 and RMRT 4513. May not be used for degree credit with LEIS 5513 or RMRT 5513.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 4553 Tourism in Recreation Settings

Description: Theory and foundations of the philosophy, principles and practices that associate tourism with recreation agencies and settings. Previously offered as RMTR 4553 and RMRT 4553. May not be used for degree credit with LEIS 5553 or RMRT 5553.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 4563 Entrepreneurial Recreation Management

Prerequisites: RM 3463 or consent of instructor.

Description: Introduction to the scope, characteristics and management aspects of the commercial recreation industry from an entrepreneurial perspective. Previously offered as RMTR 4563 and RMRT 4563. May not be used for degree credit with LEIS 5563 or RMRT 5563.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 4680 Internship in Recreation Management

Prerequisites: Last semester senior year with cumulative GPA of 2.5, RM 4481 and co-requisite of RM 4683.

Description: Supervised field work experience in Recreation Management. Graded on a pass-fail basis. Must be taken concurrently with RMRT 4683. Previously offered as RMTR 4680 and RMRT 4680. Offered for variable credit, 1-9 credit hours, maximum of 9 credit hours.

Credit hours: 1-9

Contact hours: Contact: 1-9 Other: 1-9

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

RM 4683 Administrative Documentation in Internship for Recreation Management

Prerequisites: Last semester senior year with cumulative GPA of 2.5, RM 4481 and co-requisite of RM 4680.

Description: Assignment based course that complements RM 4680 Internship in Recreation Management. Must be taken concurrently with RM 4680. Previously offered as RMTR 4683 and RMRT 4683.

Credit hours: 3

Contact hours: Contact: 3 Other: 3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

RM 4713 Campus Recreation, Intramurals, and Sport

Description: Program operations, industry standards, and current issues surrounding these areas of the recreation industry. May not be used for degree credit with LEIS 5713 or RMRT 5713. Previously offered as RMRT 4713.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RM 4943 Grant Writing and Nonprofit Management

Prerequisites: RM 2413 and RM 2463 or consent of instructor.

Description: Methods and techniques used in grant writing as well as the establishment of a nonprofit agency. Previously offered as RMTR 4943 and RMRT 4943. May not be used for degree credit with LEIS 5943 or RMRT 5943.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 2433 Introduction to Recreational Therapy

Description: Theory and application of recreational therapy with emphasis on types of illnesses and disabilities, delivery systems, programming services. Previously offered as RMTR 2433.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 3431 Recreation Management Practicum I

Prerequisites: RMRT 2413.

Description: Supervised practical experience with leadership responsibilities for planning, conducting and evaluating activities and programs. Graded on a pass-fail basis. Previously offered as RMTR 3431.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 3432 Recreation Management Practicum II

Description: Supervised practical experience with leadership responsibilities for planning, conducting and evaluating activities and programs. Previously offered as RMTR 3432. Graded on a pass-fail basis.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 4843 Recreational Therapy & Healthcare Administration

Description: Facilitation techniques, leadership, and interventions for the various diagnostic groupings, treatment settings, and individuals seeking assistance from a recreational therapist.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 5000 Master's Thesis

Prerequisites: Consent of major professor.

Description: Research in Recreation Management and/or Recreational Therapy for master's degree. Previously offered as LEIS 5000. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

RMRT 5010 Directed Study in Recreation Management

Prerequisites: Permission of Instructor.

Description: Directed study within recreation management. Previously offered as LEIS 5010. Offered for variable credit, 1-3 credit hours, maximum of 20 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

RMRT 5013 Recreation and a Technologically Advanced Society

Description: Investigate the recreational needs of modern society locally and globally. Consider new methods of recreation participation and communicating recreation information to target populations and devise strategies to implement these methods. Utilize modern tools to incorporate recreation activities into participants' lives. May not be used for degree credit with RMRT 4013 or RM 4013. Previously offered as LEIS 5013.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 5020 Workshop in Recreation Management

Prerequisites: Consent of instructor.

Description: Advanced instruction on specialized topic areas in recreation management. Previously offered as LEIS 5020. Offered for variable credit, 1-6 credit hours, maximum of 20 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

RMRT 5023 Legal Aspects of Recreation Management, Health, Physical Education, and Leisure Services

Description: The application and interpretation of the law as it applies to teachers, coaches and administrators of recreation management, health, physical education, and leisure services programs. Course previously offered as HHP 5023 and LEIS 5023.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 5030 Field Problems in Recreation Management

Prerequisites: Consent of instructor.

Description: Applied research within the practice of recreation management. Previously offered as LEIS 5030. Offered for variable credit, 1-6 credit hours, maximum of 20 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

RMRT 5033 Recreation Specialization and Serious Leisure

Description: The Serious Leisure Theory focuses on leisure participation in which a persons is highly concentrated on one pursuit. This course investigates the details of the theory, how this theory can be observed in participants, and how to facilitate recreation and leisure programs to fulfill the needs of those engaged in Serious Leisure pursuits. May not be used for degree credit with RMRT 4023 or RM 4023. Previously offered as LEIS 5033.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 5073 Recreational Therapy and Geriatrics**Prerequisites:** LEIS 2433 or consent of instructor.**Description:** Role of Recreational Therapists (RT) working with geriatric population. Topics include terminology, etiology, prognosis, assessment, and program development in RT. Previously offered as LEIS 5073.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**RMRT 5110 Directed Studies in Recreational Management****Prerequisites:** Consent of Instructor.**Description:** Supervised readings, research or study of trends and issues related to Recreation Management. Offered for variable credit, 1-9 credit hours, maximum of 9 credit hours.**Credit hours:** 1-9**Contact hours:** Contact: 1-9 Other: 1-9**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Kinesiology, Appl Health, Rec**RMRT 5113 Graduate Internship in Recreation Management****Prerequisites:** Graduate student status.**Description:** Supervised practical experience with leadership responsibilities for planning, leading, and evaluating activities and programs. Previously offered as LEIS 5113.**Credit hours:** 3**Contact hours:** Contact: 3 Other: 3**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Kinesiology, Appl Health, Rec**RMRT 5120 Workshop in Recreational Therapy****Prerequisites:** Consent of Instructor.**Description:** Advanced instruction on specialized topic areas in recreational therapy. Offered for variable credit, 1-6 hours per semester for a maximum of 20 credit hours.**Credit hours:** 1-6**Contact hours:** Contact: 1-6 Other: 1-6**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Kinesiology, Appl Health, Rec**RMRT 5130 Field Problems in Recreational Therapy****Description:** Applied research within the practice of recreational therapy. Offered for variable credit, 1-6 credit hours, maximum of 20 credit hours.**Credit hours:** 1-6**Contact hours:** Contact: 1-6 Other: 1-6**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Kinesiology, Appl Health, Rec**RMRT 5231 Formal Report in RMRT****Prerequisites:** Consent of instructor.**Description:** Applied research utilized in the creation of a formal report as a culminating product of a master's program.**Credit hours:** 1**Contact hours:** Contact: 1 Other: 1**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Kinesiology, Appl Health, Rec**RMRT 5403 Outdoor Recreation****Prerequisites:** Graduate Student Standing.**Description:** Theory and practical application of outdoor recreation concepts with emphasis on programs, pursuits, philosophies, principles, policies, economics, trends and problems. Course previously offered as HPEL 5403 and LEIS 5403. May not be used for degree credit with RMTR 4473, RMRT 4473 or RM 4473.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**RMRT 5413 Organization and Administration of Recreation and Leisure Services****Prerequisites:** Graduate Student Standing.**Description:** Systematic approach to problem solving and decision making for structure, personnel management, financing, and program development for recreation and leisure service delivery systems. Course previously offered as HPEL 5413 and LEIS 5413.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**RMRT 5423 Supervision of Recreation Management People and Programs****Prerequisites:** Graduate standing.**Description:** Administrative supervision and leadership in Recreation Management delivery systems. An examination of theories and practices as related to personnel, participants, and facility resources. Previously offered as LEIS 5423.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**RMRT 5433 Current Issues in Recreation Management****Description:** Current issues related to the recreation management services profession. Investigation, discussion and analysis of contemporary issues. Previously offered as HPEL 5443 and LEIS 5433.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**RMRT 5443 Social Foundations of Recreation Management****Prerequisites:** Graduate standing.**Description:** Social, psychological, philosophical and historical foundations of recreation and recreation management. The impact of social forces on recreation and leisure throughout history. Course previously offered as HPEL 5443 and LEIS 5443.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec

**RMRT 5453 Recreation Management and Recreational Therapy
Experiential Learning Lab**

Description: Lecture, discussion, and experiential lab investigating human behaviors, thoughts, attitudes, and practices related to recreation. The understanding of the complexity of providing recreation and recreational therapy services to a variety of target populations. Previously offered as LEIS 5453.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Graduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Kinesiology, Appl Health, Rec

RMRT 5463 Issues in Recreational Therapy

Prerequisites: LEIS 2433 or professional experience in recreational therapy.

Description: Current issues in recreational therapy with emphasis on accreditation, certification, licensure, quality assurance and ethics. Previously offered as LEIS 5463.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 5473 Recreation and Aging

Description: Overview of the recreation needs and services for older adults, with emphasis upon the delivery system and recreation activities. Course previously offered as HPEL 5473 and LEIS 5473.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 5483 Recreational Therapy for Persons with Physical Disabilities

Prerequisites: LEIS 2433 or professional experience in recreational therapy.

Description: The role of recreational therapy in the treatment and rehabilitation of individuals with physical disabilities. Emphasis on terminology, prognosis, etiology or specific disabilities, program development, assessment. Previously offered as LEIS 5483 and HPEL 5483.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 5493 Recreational Therapy in Mental Health and Intellectual Disabilities

Prerequisites: LEIS 2433 or professional experience in recreational therapy.

Description: The role of recreational therapists (RT) in mental health or intellectual disabilities with emphasis upon client prognosis and methodologies of treatment programs. Previously offered as LEIS 5493 & HPEL 5493.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 5513 Recreation and Leisure Education

Description: Models of recreation leisure education discussed and practices in conjunction with enhancing student's ability with basic skills of recreation and leisure counseling to facilitate optimal recreation and leisure pursuits. May not be used for degree credit with RMTR 4513, RMRT 4513 or RM 4513. Previously offered as LEIS 5513.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 5553 Tourism in Recreation Settings

Description: Theory and foundations of the philosophy, principles and practices that associate tourism with recreation agencies and settings. May not be used for degree credit with RMTR 4553, RMRT 4553 or RM 4553. Previously offered as LEIS 5553.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 5563 Entrepreneur Recreation Management

Description: Introduction to the scope, characteristics and management aspects of the commercial recreation industry from an entrepreneurial perspective. May not be used for degree credit with RMTR 4563, RMRT 4563 or RM 4563. Previously offered as LEIS 5563.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 5603 Outdoor Education

Description: Development of a holistic approach to teaching and learning in the outdoors. Learning in, about, and for, the out-of-doors as a process for acquiring skills with which to enjoy outdoor pursuits. May not be used for degree credit with RMTR 4453, RMRT 4453 or RM 4453. Previously offered as LEIS 5603.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 5703 Areas and Facilities in Recreation Management Services

Description: Planning, design and development of areas and facilities in recreation management service delivery systems. May not be used for degree credit with RMTR 4463, RMRT 4463 or RM 4463. Previously offered as LEIS 5703.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 5713 Campus Recreation, Intramurals, and Sport

Description: Program operations, industry standards, and current issues surrounding these areas of the recreation industry. May not be used for degree credit with RMRT 4713 or RM 4713. Previously offered as LEIS 5713.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 5933 Advanced Methods in Recreational Therapy

Description: Theoretical and practical examination of contemporary implementation procedures used in recreational therapy practice. May not be used for degree credit with RMRT 4933 or RT 4933. Previously offered as LEIS 5933.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 5943 Grant Writing and Nonprofit Management

Description: Methods and techniques used in grant writing as well as the establishment of a nonprofit agency. Previously offered as LEIS 5943. May not be used for degree credit with RMTR 4943, RMRT 4943 or RM 4943.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 6000 Doctoral Dissertation in Recreation Management and/or Recreational Therapy

Description: Required of all candidates for the Doctor of Philosophy degree in Recreation Management. Credit is given upon completion of the dissertation. Previously offered as LEIS 6000. Offered for variable credit, 1-9 credit hours, maximum of 25 credit hours.

Credit hours: 1-9

Contact hours: Contact: 1-9 Other: 1-9

Levels: Graduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

RMRT 6010 Independent Study in Recreation Management

Prerequisites: Consent of instructor.

Description: Supervised readings, research or study of trends and issues related to recreation management studies. Offered for variable credit, 1-3 credit hours, maximum of 20 credit hours. Previously offered as LEIS 6010.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

RMRT 6013 Ethical and Professional Issues in RMRT Higher Education

Description: Introduction to higher education issues relevant to professional preparation in recreation management and recreational therapy curricula, including roles of the educator, curriculum development, implementation and management, instructional strategies and accreditation. Previously offered as LEIS 6013.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 6020 Recreation Management Research Colloquium

Prerequisites: Graduate student standing.

Description: Exploration and presentation of selected topics and research in recreation management studies. Previously offered as LEIS 3020.

Offered for variable credit, 1-3 credit hours, maximum of 20 credit hours.

Previously offered as LEIS 6020.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

RMRT 6023 Special Topics in Recreation

Prerequisites: Admission to the Graduate College.

Description: Special topics related to recreation, recreational therapy and leisure services. Investigation, discussion and analysis of contemporary topics. Previously offered as LEIS 6023.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 6110 Independent Study in Recreational Therapy

Prerequisites: Consent of Instructor.

Description: Supervised readings, research or study of trends and issues related to recreational therapy studies. Offered for variable credit, 1-3 credit hours, maximum of 20 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

RMRT 6120 Recreational Therapy Research Colloquium

Prerequisites: Consent of instructor

Description: Exploration and presentation of selected topics and research in recreational therapy studies. Offered for variable credit, 1-3 credit hours, maximum of 20 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

RMRT 6453 Recreation Management and Recreational Therapy Behavior

Description: The advanced study of recreation and human behavior. Research related to the understanding of how and why humans engage in recreation, leisure, and play. Previously offered as LEIS 6453.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RMRT 6763 Management in Health, Human Performance, and Recreation Management & Recreational Therapy Setting

Prerequisites: Admission to the Graduate College.

Description: Essential elements of organizational structures, management issues, functions and styles in public, non-profit and private settings in health, human performance, and recreation management & recreational therapy. Course previously offered as HHP 5763, HPEL 5763 and LEIS 6763.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RT 2433 Introduction to Recreational Therapy

Description: Theory and application of recreational therapy with emphasis on types of illnesses and disabilities, delivery systems, programming services. Previously offered as RMTR 2433 and RMRT 2433.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RT 2443 Contemporary Issues in Diversity (DS)

Description: Exploration of the primary and secondary dimensions of diversity and their impact on society. Individual and institutional responses to cultural diversity. Previously offered as EDUC 2443, LEIS 2443, RMTR 2443, and RMRT 2443.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

General Education and other Course Attributes: Diversity, Social & Behavioral Sciences

RT 3110 Workshop in Recreational Therapy

Description: Intensive training program on a specialized topic in recreational therapy. Offered for variable credit, 1-3 credit hours, maximum of 9 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Kinesiology, Appl Health, Rec

RT 3213 Psychomotor Development

Description: Fundamental aspects of motor development for infants, children, youth and adults. Course previously offered as PE 2712 and HHP 2712.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RT 3413 Recreational Therapy and Mental Illness/Intellectual Disabilities

Prerequisites: RT 2433.

Description: The role of Recreational Therapists (RT) working with individuals diagnosed with mental illness and/or intellectual disabilities. Topics include terminology, etiology, prognosis, assessment, and program development in RT. Previously offered as RMTR 3413 and RMRT 3413.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RT 3423 Recreational Therapy in Geriatric Practices

Prerequisites: RT 2433.

Description: The role of Recreational Therapists (RT) working with the geriatric population. Topics include terminology, etiology, prognosis, assessment, and program development in RT. Previously offered as RMTR 3423 and RMRT 3423.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RT 3433 Recreational Therapy and Physical Disabilities

Prerequisites: RT 2433.

Description: The role of Recreational Therapists in the rehabilitation of individuals with physical disabilities. Topics include terminology, etiology, prognosis of specific problems, assessment, and program development in RT. Previously offered as RMTR 3433 and RMRT 3433.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RT 3441 Warm Water Therapy Lab

Description: This aquatic lab course is designed to give students valuable hands-on experience with participants with disorders ranging from pre-school through senior citizen population. Previously offered as RMTR 3441 and RMRT 3441.

Credit hours: 1

Contact hours: Lab: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lab

Department/School: Kinesiology, Appl Health, Rec

RT 3443 Assessment in Recreational Therapy**Prerequisites:** RT 2433 or Instructor Permission.**Description:** Assessments and documentation used in the Recreational Therapy field and including reviewing and practicing with various assessments, writing notes using the various forms of documentation, writing goals and objectives, and combining knowledge and skills in a comprehensive assignment. Previously offered as RMRT 3443.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**RT 3473 Medical Terminology and Procedures for Recreational Therapy****Description:** The course covers the basic knowledge documentation including vocabulary, abbreviations, symbols, prefixes, and suffixes typically used in clinical settings in which Recreational Therapists practice. Taken concurrently with Junior Internship Courses. Previously offered as RMTR 3473 & RMRT 3473.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**RT 3480 Junior Internship in Recreation Therapy****Prerequisites:** RM 2413, RM 2473, RT 3441, co-requisite RT 3473 and one course in emphasis areas of study (Recreational Therapy or Leisure Service Management).**Description:** Supervised practical experience (minimum 200 to 400 contact hours based upon credit hours enrolled) with leadership responsibilities for planning, conducting and evaluating activities and programs. Previously offered as RMTR 3480 and RMRT 3480. Graded on a pass-fail basis. Offered for variable credit, 3-6 credit hours, maximum of 6 credit hours.**Credit hours:** 3-6**Contact hours:** Contact: 3-6 Other: 3-6**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Kinesiology, Appl Health, Rec**RT 3483 Junior Internship in Recreation Therapy****Prerequisites:** RM 2413, RM 2473, RT 3441, and concurrent enrollment in RT 3473 and one course in emphasis areas of study (Recreational Therapy or Leisure Service Management).**Description:** Supervised practical experience (minimum 200 contact hours) with leadership responsibilities for planning, conducting and evaluating activities and programs. Previously offered as RMTR 3480, RMRT 3480 and RT 3480. Graded on a pass-fail basis.**Credit hours:** 3**Contact hours:** Contact: 3 Other: 3**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Kinesiology, Appl Health, Rec**RT 3843 Recreational Therapy Facilitation Techniques & Interventions****Description:** Facilitation techniques, leadership, and interventions for the various diagnostic groupings, treatment settings, and individuals seeking assistance from a recreational therapist. Previously offered as RMRT 3843.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec**RT 4110 Directed Studies in Recreational Therapy****Description:** Supervised readings, research or study of trends and issues related to recreational therapy studies. Offered for variable credit, 1-9 credit hours, maximum of 9 credit hours.**Credit hours:** 1-9**Contact hours:** Contact: 1-9 Other: 1-9**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Kinesiology, Appl Health, Rec**RT 4483 Administrative Documentation in Internship for Recreational Therapy****Prerequisites:** Last semester senior year with cumulative GPA of 2.5 and RT 3480, RM 4481 and co-requisite of RT 4480.**Description:** Assignment based course that complements RT 4480 Internship in recreational therapy. Must be taken concurrently with RT 4480. Previously offered as RMTR 4483 and RMRT 4483.**Credit hours:** 3**Contact hours:** Contact: 3 Other: 3**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Kinesiology, Appl Health, Rec**RT 4489 Senior Internship in Recreational Therapy****Prerequisites:** Last semester senior year with cumulative GPA of 2.5 and completion of RT 3483, RM 4481 and co-requisite of RT 4483.**Description:** Supervised fieldwork experience in recreational therapy. Graded on a pass-fail basis. Must be taken concurrently with RT 4483. Same course as RT 4480.**Credit hours:** 9**Contact hours:** Contact: 9 Other: 9**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Kinesiology, Appl Health, Rec**RT 4581 Senior Seminar in Recreational Therapy****Prerequisites:** RT 2433 or Instructor Permission.**Description:** Culminating course work in Recreational Therapy examining current issues, professional practices, and professional philosophy. Previously offered as RMRT 4581.**Credit hours:** 1**Contact hours:** Lecture: 1 Contact: 1**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Kinesiology, Appl Health, Rec

RT 4833 Recreational Therapy and Pediatrics

Prerequisites: RT 2433 or Instructor Permission.

Description: The role of Recreational Therapists in the treatment of the pediatric population (ages 0-18 years) including terminology, etiology, prognosis of specific problems, assessment, treatment, and program development in recreational therapy. Previously offered as RMRT 4833.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

RT 4933 Advanced Methods In Recreational Therapy

Prerequisites: RM 3483 and consent of instructor.

Description: Theoretical and practical examination of contemporary implementation procedures used in recreational therapy practice. Previously offered as RMTR 4933 and RMRT 4933. May not be used for degree credit with LEIS 5933 or RMRT 5933.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Kinesiology, Appl Health, Rec

Undergraduate Programs

- Applied Exercise Science: Pre-Professional, BS (p. 2100)
- Applied Exercise Science: Sport and Coaching Science, BS (p. 2102)
- Applied Exercise Science: Strength and Conditioning, BS (p. 2104)
- Recreation and Athletic Management: Recreation Management, BS (p. 2106)
- Recreational Therapy, BS (p. 2109)

Graduate Programs

Graduate Program - Applied Exercise Science & Health and Human Performance

Doug Smith, PhD—Professor and Graduate Coordinator

Graduate Program - Recreation Management and Recreational Therapy; Leisure Studies

Tim Passmore, EdD—Professor and Graduate Coordinator

Graduate Certificate in Recreation and Leisure Management

Donna Lindenmeier, PhD—Associate Professor and Graduate Certificate Coordinator

MS in Health and Human Performance

The MS in Health and Human Performance offers two options: Applied Exercise Science and Health Promotion. The option in Applied Exercise Science studies how human movement improves overall physical health and fitness. The 36-hour degree offers a Thesis and Non-thesis (Creative Component) option. Our master's students strive to advance health, physical activity and sport performance through relevant clinical- and performance-based research and instruction. Graduates go on to earn their doctorate degree at reputable institutions across the country or obtain professional employment within the areas of applied health and strength and conditioning.

The health and human performance program also provides preparation at the master's level with an option of Health Promotion. The 36-hour degree offers a Thesis and Non-thesis (Creative Component) option. The program focuses on advancing the students understanding of the proximal and distal determinants of mental and physical health.

PhD in Health and Human Performance

The PhD in Health and Human Performance has two emphasis tracks: Exercise Physiology and Health Education and Promotion.

Our doctoral students with an emphasis in Exercise Physiology strive to advance health, prevention, physical activity and sport performance through relevant clinical- and performance-based research and instruction.

Our doctoral students with an emphasis in Health Education and Promotion meet their career needs and goals through (1) community-based, translational research and (2) classroom experiences focusing on social justice and diversity. The purpose and focus of this emphasis is to prepare excellent entry-level research scholars for formal and informal learning organizations

The PhD in Health and Human Performance is designed to permit flexibility within the Health discipline while assuring that all students in the program are provided the opportunity to develop research skills which facilitate functioning as future faculty members or scholar practitioners.

Master of Science in Leisure Studies

Beyond the baccalaureate level, the program in leisure studies provides preparation at the master's level across the discipline. Students develop a plan of study, under the advisement of a graduate committee and may focus on various emphasis areas in recreation, parks and leisure services or in recreational therapy. Graduates of the master's degree are typically employed in management and administrative positions in a wide variety of recreation, parks and leisure service settings. Graduates with a master's degree with the focus on Recreational Therapy are typically employed in healthcare settings to include hospitals, physical rehabilitation facilities, behavioral health, facilities, long-term care facilities and other facilities focused on healthcare. Graduates with a master's degree with a focus on Recreation Management are typically employed in areas such as campus recreation, municipal parks and recreation, military recreation, YMCAs, state parks and others. The master's degree is 36 credit hours beyond the bachelor's degree and many graduate assistantships are available for qualified students.

PhD in Health, Leisure and Human Performance, with an option in Leisure Studies

Students seeking the terminal degree in Leisure Studies engage in the PhD in HLHP. Those completing this program are well prepared for entry-level positions as faculty members in a wide range of colleges and universities. To facilitate student readiness to work in academia, doctoral students work closely with faculty, engage in coursework and examinations, and participate in opportunities for experiences in teaching, scholarship and service. Core learning experiences include an understanding of curriculum, applied ethics and administration, as well as developing an understanding of the common tripartite mission of most universities - scholarship, teaching, and service. The PhD requires 60 hours of coursework beyond the master's degree; many graduate assistantships are available for qualified students.

Minors

- Recreation Management (RM), Minor (p. 2108)
- Sports and Coaching Science (SPCS), Minor (p. 2111)

Faculty

Bert H. Jacobson, EdD, FACSM—School Head, Regents Professor,
Seretean Endowed Professor

Professors: Douglas Smith, PhD; Tim Passmore, EdD

Associate Professors: Jay Dawes, PhD; Jason Defreitas, PhD; Donna
Lindenmeier, PhD

Assistant Professors: Breanne Baker, PhD; Taylor Dinyer, PhD; Shane
Hammer, PhD; Michael Trevino, PhD

Applied Exercise Science: Pre-Professional, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 3.00

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113 or ENGL 1313	Composition I Critical Analysis and Writing I	3
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH 1513 or MATH 1613	College Algebra (A) Trigonometry (A)	3
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
Select one of the following:		4
BIOL 1113 & BIOL 1111	Introductory Biology (N) and Introductory Biology Laboratory (LN)	
BIOL 1114	Introductory Biology (LN)	
CHEM 1215 or CHEM 1314	Chemical Principles I (LN) Chemistry I (LN)	4
<i>Social & Behavioral Sciences (S)</i>		
Course designated (S)		3
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		8
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
Select at least one Diversity (D) course		
Select at least one International Dimension (I) course		
College/Departmental Requirements		
Minimum GPA 3.00 with a minimum grade of "C"		
EDHS 1112	First Year Seminar	2
Select one of the following:		3

STAT 2013	Elementary Statistics (A)	
STAT 2023	Elementary Statistics for Business and Economics (A)	
STAT 2053	Elementary Statistics for the Social Sciences (A)	
Hours Subtotal		5
Major Requirements		
Minimum GPA of 3.00 with a minimum grade of "C" or "P" in each course		
HHP 1703	Introduction to Exercise Science	3
HHP 2553	Basic Athletic Injury Management	3
HHP 2654	Applied Anatomy	4
HHP 2802	Medical Terminology for the Health Professions	2
HHP 3114	Physiology of Exercise	4
HHP 3123 or HHP 4124	Principles of Personal Training Principles of Strength and Conditioning	3
HHP 3663	Biomechanics	3
HHP 4013	Motor Control and Learning	3
HHP 4773	Principles of Exercise Testing and Prescription	3
HHP 4480	Internship in Health and Human Performance (5 hours)	5
BIOC 3653	Survey of Biochemistry	3
CHEM 1225 or CHEM 1515	Chemical Principles II (LN) Chemistry II (LN)	5
CHEM 3013	Survey of Organic Chemistry	3
CHEM 3012	Survey of Organic Chemistry Laboratory	2
NSCI 2013	Principles of Human Nutrition (N)	3
NSCI 4133	Nutrition for Exercise and Sport	3
PHYS 1114	College Physics I (LN)	4
BIOL 1604	Animal Biology	4
BIOL 3204	Physiology	4
Hours Subtotal		64
Electives		
Select 11 hours		11
Hours Subtotal		11
Total Hours		120

Elective Suggestions

Code	Title	Hours
NSCI 3223	Nutrition Across the Life Span	3
NSCI 3543	Food and the Human Environment (IS)	3
HHP 4480	Internship in Health and Human Performance (additional internship hours)	1-12
HLTH 4783	Health Issues in Gerontology	3
BIOL 3933	Research Methods	3
MICR 3033	Cell and Molecular Biology	3
BIOL 4215	Mammalian Physiology	5
BIOL 4223	Mammalian Physiology Capstone Laboratory	3
PHIL 3833	Biomedical Ethics (H)	3
PSYC 3013	Psychology of Motivation	3

RT 2443	Contemporary Issues in Diversity (DS)	3
STAT 4013	Statistical Methods I (A)	3
BIOL 3123	Human Heredity (N)	3
BIOL 3214	Human Anatomy	4
BIOL 4253	Pharmacology	3
BIOL 4283	Endocrinology	3

Other Requirements

- 40 hours of upper-division coursework.
- Documentation of current first aid/CPR certification prior to completion of HHP 4480 Internship in Health and Human Performance.
- Required for graduation:
 - 3.00 Overall GPA;
 - 3.00 Overall GPA for enrollment in HHP 4480 Internship in Health and Human Performance;
 - 3.00 GPA in College/Departmental Requirements; and
 - 3.00 GPA in Major Requirements.
- The student must earn minimum grades of "C" or "P" in the College/Departmental Requirements and Major Requirements.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
MATH 1513 or MATH 1613	College Algebra (A) or Trigonometry (A)	3
BIOL 1113 & BIOL 1111 or BIOL 1114	Introductory Biology (N) or Introductory Biology (LN)	4
HHP 1703	Introduction to Exercise Science	3
EDHS 1112	First Year Seminar	2
Hours		15

Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
POLS 1113	American Government	3
CHEM 1215 or CHEM 1314	Chemical Principles I (LN) or Chemistry I (LN)	4
NSCI 2114		4

Hours 14

Sophomore

Fall		
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
CHEM 1225 or CHEM 1515	Chemical Principles II (LN) or Chemistry II (LN)	5
STAT 2013 or STAT 2023 or STAT 2053	Elementary Statistics (A) or Elementary Statistics for Business and Economics (A) or Elementary Statistics for the Social Sciences (A)	3
Course designated (A), (H), (N) or (S)		3

Hours 14

Spring

PHYS 1114	College Physics I (LN)	4
HHP 2654	Applied Anatomy	4
Course Designated (H)		3
3 Hours of Elective		3
HHP 2802	Medical Terminology for the Health Professions	2
Hours		16

Junior

Fall		
CHEM 3013	Survey of Organic Chemistry	3
CHEM 3012	Survey of Organic Chemistry Laboratory	2
HHP 3223		3
BIOL 1604	Animal Biology	4
HHP 2553	Basic Athletic Injury Management	3
Hours		15

Spring

BIOL 3204	Physiology	4
Course Designated (A), (H), (N) or (S)		3
HHP 3663	Biomechanics	3
HHP 3114	Physiology of Exercise	4
Course Designated (S)		3
Hours		17

Senior

Fall		
HHP 4013	Motor Control and Learning	3
HHP 3123 or HHP 4124	Principles of Personal Training or Principles of Strength and Conditioning	3
HHP 4773	Principles of Exercise Testing and Prescription	3
BIOC 3653	Survey of Biochemistry	3
Course designated (H)		3
Hours		15

Spring

HHP 4480	Internship in Health and Human Performance	5
Course designated (A), (H), (N), or (S)		2
NSCI 4133	Nutrition for Exercise and Sport	3
4 Hours of Elective		4
Hours		14

Total Hours 120

Applied Exercise Science: Sport and Coaching Science, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.75

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH 1513	College Algebra (A)	3
or MATH 1613	Trigonometry (A)	
Select one of the following:		3
STAT 2013	Elementary Statistics (A)	
STAT 2023	Elementary Statistics for Business and Economics (A)	
STAT 2053	Elementary Statistics for the Social Sciences (A)	
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
Courses designated (N) with one (L)		8
<i>Social & Behavioral Sciences (S)</i>		
PSYC 1113	Introductory Psychology (S)	3
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		5
Hours Subtotal		40

Diversity (D) & International Dimension (I)

May be completed in any part of the degree plan

Select at least one Diversity (D) course

Select at least one International Dimension (I) course

College/Departmental Requirements

Minimum GPA 2.75 with a minimum grade of "C" or "P" in each course

EDHS 1112	First Year Seminar	2
NSCI 2013	Principles of Human Nutrition (N)	3
HHP 1703	Introduction to Exercise Science	3
HHP 2553	Basic Athletic Injury Management	3
HHP 2654	Applied Anatomy	4
Hours Subtotal		15
Major Requirements		
Minimum GPA of 2.75 with a minimum grade of "C" or "P" in each course		
HHP 3114	Physiology of Exercise	4
HHP 3133	Sport Supplements For Human Performance	3
HHP 3333	Ethics in Sports Administration and Coaching	3
HHP 4013	Motor Control and Learning	3
HHP 3443	Psychosocial Aspects of Sport and Coaching	3
HHP 3553	Theory and Practice of Coaching	3
HHP 3663	Biomechanics	3
HHP 4124	Principles of Strength and Conditioning	4
HHP 4480	Internship in Health and Human Performance	5
HHP 4773	Principles of Exercise Testing and Prescription	3
NSCI 4133	Nutrition for Exercise and Sport	3
Hours Subtotal		37
Electives		
Minimum GPA of 2.75 with a minimum grade of "C" or "P"		
Select 28 hours from the following list:		28
HHP 3010	Health and Human Performance Workshop	
HHP 3123	Principles of Personal Training	
HHP 4010	Directed Study	
HHP 4733	Organization, Administration and Curriculum in Physical Education and Athletics	
MGMT 3943	Sports Management	
MGMT 3963	Social Issues in Sports Management	
NSCI 3223	Nutrition Across the Life Span	
NSCI 4373	Principles of Nutrition Education and Behavior Change	
RM 2473	Foundation of Recreation Management Leadership	
SPM 2843	Sports and the Media	
SPM 3843	Contemporary Sport Consumption	
Hours Subtotal		28
Total Hours		120

Other Requirements:

- 40 Hours of upper-division coursework
- Required for Graduation:
 - 2.75 Overall GPA;
 - 2.75 Overall GPA for enrollment in HHP 4480.

- 2.75 GPA in College/Departmental Requirements;
- 2.75 GPA in Major Requirements
- The student must earn minimum grades of "C" or "P" in the College/Departmental Requirements and Major Requirements.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
MATH 1513 or MATH 1613	College Algebra (A) or Trigonometry (A)	3
BIOL 1113 & BIOL 1111 or BIOL 1114	Introductory Biology (N) or Introductory Biology (LN)	4
HHP 1703	Introduction to Exercise Science	3
EDHS 1112	First Year Seminar (Fall Only)	2
Hours		15
Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
POLS 1113	American Government	3
STAT 2013 or STAT 2023 or STAT 2053	Elementary Statistics (A) or Elementary Statistics for Business and Economics (A) or Elementary Statistics for the Social Sciences (A)	3
NSCI 2114		4
Course Designated (H)		3
Hours		16
Sophomore		
Fall		
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
Course Designated (N)		4
Course Designated (H)		3
HHP 3223		3

Controlled Elective Course		3
Hours		16
Spring		
PSYC 1113	Introductory Psychology (S)	3
HHP 3333	Ethics in Sports Administration and Coaching	3
Course Designated (A), (H), (N), or (S)		3
HHP 2712		2
HHP 2654	Applied Anatomy	4
Hours		15
Junior		
Fall		
HHP 3553	Theory and Practice of Coaching	3
HHP 2553	Basic Athletic Injury Management	3
HHP 3443	Psychosocial Aspects of Sport and Coaching	3
HHP 3663	Biomechanics	3
Controlled Elective Course		3
Hours		15
Spring		
HHP 3114	Physiology of Exercise	4
Controlled Elective Course		3
Controlled Elective Course		2
Controlled Elective Course		3
HHP 3133	Sport Supplements For Human Performance	3
Hours		15
Senior		
Fall		
HHP 4773	Principles of Exercise Testing and Prescription	3
HHP 4124	Principles of Strength and Conditioning	4
Controlled Elective Course		3
Controlled Elective Course		3
Course Designated (A), (H), (N), or (S)		2
Hours		15
Spring		
HHP 4480	Internship in Health and Human Performance	5
NSCI 4133	Nutrition for Exercise and Sport	3
Controlled Elective Course		3
Controlled Elective Course		3
Hours		14
Total Hours		121

Applied Exercise Science: Strength and Conditioning, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.75

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113 or ENGL 1313	Composition I Critical Analysis and Writing I	3
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH 1513 or MATH 1613	College Algebra (A) Trigonometry (A)	3
Select one of the following:		3
STAT 2013	Elementary Statistics (A)	
STAT 2023	Elementary Statistics for Business and Economics (A)	
STAT 2053	Elementary Statistics for the Social Sciences (A)	
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
Courses designated (N) with one (L)		8
<i>Social & Behavioral Sciences (S)</i>		
PSYC 1113	Introductory Psychology (S)	3
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		5
Hours Subtotal		40

Diversity (D) & International Dimension (I)

May be completed in any part of the degree plan

Select at least one Diversity (D) course

Select at least one International Dimension (I) course

College/Departmental Requirements

Minimum GPA 2.75 with a minimum grade of "C" or "P" in each course

EDHS 1112	First Year Seminar	2
NSCI 2013	Principles of Human Nutrition (N)	3
BIOL 3204	Physiology	4
HHP 1703	Introduction to Exercise Science	3
HHP 2553	Basic Athletic Injury Management	3
HHP 2654	Applied Anatomy	4
Hours Subtotal		19
Major Requirements		
Minimum GPA of 2.75 with a minimum grade of "C" or "P" in each course		
HHP 3114	Physiology of Exercise	4
HHP 3133	Sport Supplements For Human Performance	3
HHP 3443	Psychosocial Aspects of Sport and Coaching	3
HHP 3663	Biomechanics	3
HHP 4013	Motor Control and Learning	3
HHP 4124	Principles of Strength and Conditioning	4
HHP 4480	Internship in Health and Human Performance	5
NSCI 4133	Nutrition for Exercise and Sport	3
Hours Subtotal		28
Electives		
Select 33 hours from the following list:		33
HHP 2802	Medical Terminology for the Health Professions	
BIOL 3933	Research Methods	
HHP 3010	Health and Human Performance Workshop	
HHP 3123	Principles of Personal Training	
HHP 3333	Ethics in Sports Administration and Coaching	
HHP 3553	Theory and Practice of Coaching	
HHP 4010	Directed Study	
HHP 4480	Internship in Health and Human Performance	
HHP 4773	Principles of Exercise Testing and Prescription	
HLTH 3643	Health Behavior Theory	
HLTH 4783	Health Issues in Gerontology	
MGMT 3943	Sports Management	
NSCI 3223	Nutrition Across the Life Span	
PSYC 3013	Psychology of Motivation	
Hours Subtotal		33
Total Hours		120

Other Requirements

- 40 hours of upper-division course work. Documentation of current first aid/CPR certification prior to completion of HHP 4480 Internship in Health and Human Performance.
- Required for graduation:
 - a. 2.75 Overall GPA;
 - b. 2.75 Overall GPA for enrollment in HHP 4480 Internship in Health and Human Performance;

- c. 2.75 GPA in College/Departmental Requirements; and
- d. 2.75 GPA in Major Requirements.

- The student must earn minimum grades of “C” or “P” in the College/Departmental Requirements and Major Requirements.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
MATH 1513 or MATH 1613	College Algebra (A) or Trigonometry (A)	3
BIOL 1113 & BIOL 1111 or BIOL 1114	Introductory Biology (N) or Introductory Biology (LN)	4
HHP 1703	Introduction to Exercise Science	3
EDHS 1112	First Year Seminar	2
		Hours
		15
Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
POLS 1113	American Government	3
STAT 2013 or STAT 2023 or STAT 2053	Elementary Statistics (A) or Elementary Statistics for Business and Economics (A) or Elementary Statistics for the Social Sciences (A)	3
NSCI 2114		4
Course designated (H)		3
		Hours
		16
Sophomore		
Fall		
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
CHEM 1215 or CHEM 1314	Chemical Principles I (LN) or Chemistry I (LN)	4
Course designated (H)		3

HHP 3223		3
Controlled Elective Course ¹		3
		Hours
		16
Spring		
PSYC 1113	Introductory Psychology (S)	3
HHP 3333	Ethics in Sports Administration and Coaching	3
Course designated (A), (H), (N), or (S)		3
HHP 2802	Medical Terminology for the Health Professions	2
HHP 2654	Applied Anatomy	4
		Hours
		15
Junior		
Fall		
HHP 3553	Theory and Practice of Coaching	3
HHP 2553	Basic Athletic Injury Management	3
HHP 3443	Psychosocial Aspects of Sport and Coaching	3
HHP 3663	Biomechanics	3
Controlled Elective Course ¹		3
		Hours
		15
Spring		
HHP 3114	Physiology of Exercise	4
BIOL 3204	Physiology	4
Controlled Elective Course ¹		3
HHP 3133	Sport Supplements For Human Performance	3
		Hours
		14
Senior		
Fall		
HHP 4773	Principles of Exercise Testing and Prescription	3
HHP 4124	Principles of Strength and Conditioning	4
HHP 4013	Motor Control and Learning	3
Elective Course ¹		3
Course designated (A), (H), (N), or (S)		2
		Hours
		15
Spring		
HHP 4480	Internship in Health and Human Performance	5
NSCI 4133	Nutrition for Exercise and Sport	3
Controlled Elective Course ¹		3
Controlled Elective Course ¹		3
		Hours
		14
		Total Hours
		120

¹

Controlled Elective Options include: NSCI 3223, HLTH 4783, PSYC 3013, HHP 3010, RMRT 2443, HHP 3123, BIOL 3933, NSCI 3543, MGMT 3943, HHP 4480, HLTH 3643, PHIL 3833, HHP 4010

Recreation and Athletic Management: Recreation Management, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.00

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113 or ENGL 1313	Composition I Critical Analysis and Writing I	3
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
Math or STAT course designated (A)		3
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
Courses designated (N) with one (L)		6
<i>Social & Behavioral Sciences (S)</i>		
Course designated (S)		6
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		7
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
Select at least one Diversity (D) course		
Select at least one International Dimension (I) course		
College/Departmental Requirements		
Minimum GPA 2.50 with a minimum grade of "C" or "P" in each course		
EDHS 1112	First Year Seminar	2
Select 3 hours of ECON		3
Select one of the following:		4
GEOG 1114	Introduction to Physical Geography (LN)	
GEOG 1113	Introduction to Cultural Geography (IS) (plus 1 hour elective)	
Select one of the following courses:		3

HDFS 2113	Lifespan Human Development (S)	
HDFS 2123	Developmental Disabilities: Issues Across the Lifespan (D)	
HDFS 2213	Human Sexuality and the Family (S)	
HDFS 2223	Foundations in Early Childhood Education	
HDFS 2233	Development of Creative Expression, Play and Motor Skills in Early Childhood	
HDFS 2243	Infant-Toddler Programming	
Select one of the following courses:		3
HLTH 2603	Total Wellness (S)	
HHP 1823	Pedagogy of Non-Traditional Activities, Rhythm, and Movement	
HHP 1843	Pedagogy of Individual Activities	
Select 3 hours of MKTG		3
Select 3 hours of MATH or STAT		3
Hours Subtotal		21
Major Requirements		
Minimum GPA of 2.50 with a minimum grade of "C" or "P" in each course		
<i>Program Core (19 hours)</i>		
RM 2413	Introduction to Recreation Management	3
RT 2443	Contemporary Issues in Diversity (DS)	3
RM 2463	Recreation Management and Recreational Therapy Laboratory	3
RM 2473	Foundation of Recreation Management Leadership	3
RM 4433	Evaluation in Recreation Management Services	3
RM 4481	Senior Seminar in Recreation Management	1
RM 4493	Administration of Recreation Services	3
<i>RM Option Requirements (27 hours)</i>		
RM 3463	Recreation Program and Event Planning	3
RM 3483	Jr. Internship in Recreation Management	3
RM 4463	Areas and Facilities in Recreation Management	3
Select one of the following courses:		3
RM 4563	Entrepreneurial Recreation Management (or)	
3 hours of EEE		
RM 4680	Internship in Recreation Management (taken with RM 4683 in spring or summer only)	9
RM 4683	Administrative Documentation in Internship for Recreation Management (taken with RM 4680 in spring or summer only)	3
Select one of the following courses:		
RM 4943 or RM 4713	Grant Writing and Nonprofit Management Campus Recreation, Intramurals, and Sport	3
Hours Subtotal		46
Electives		
Select 13 hours RM, RT, or RMRT and/or hours from the approved discipline areas with at least 9 hours upper division courses		13
Approved discipline areas include:		

AGED, BIOL, ECON, EPSY, GEOG, GEOL, HDFS, HLTH, HTM, MGMT, MKTG, NREM, PBIO, POLS, HESA, SOC

Hours Subtotal	13
Total Hours	120

Other Requirements

- 40 hours of upper-division course work.
- Required for graduation:
 - 2.00 Overall GPA;
 - 2.50 GPA in major for enrollment in RM 4680 Internship in Recreation Management; and
 - 2.50 GPA in College/Departmental Requirements.
- The student must earn minimum grades of "C" or "P" in the College/Departmental Requirements and Major Requirements.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
Course designated (S), (DS) or (IS)		3
GEOG 1114 or GEOG 1113	Introduction to Physical Geography (LN) (If GEOG 1113, need 1 additional hour of elective) or Introduction to Cultural Geography (IS)	4
EDHS 1112	First Year Seminar	2
Hours		15
Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
POLS 1113	American Government	3
Course designated (S), (DS) or (IS)		3
MATH or STAT course (A)		3

Natural Science course with Lab (L, N)		3
Hours		15
Sophomore		
Fall		
RM 2413	Introduction to Recreation Management	3
MATH or STAT course (A)		3
RM 2463	Recreation Management and Recreational Therapy Laboratory	3
RMRT 2443		3
RM Elective		3
Hours		15
Spring		
Course designated (A), (H), (N) or (S)		3
RM 2473	Foundation of Recreation Management Leadership	3
RM 3463	Recreation Program and Event Planning	3
Course designated (H), (DH) or (HI)		3
Natural Science course (N)		3
Hours		15
Junior		
Fall		
HDFS 2113 or HDFS 2123 or HDFS 2213 or HDFS 2223 or HDFS 2233 or HDFS 2243 or HDFS 2453	Lifespan Human Development (S) or Developmental Disabilities: Issues Across the Lifespan (D) or Human Sexuality and the Family (S) or Foundations in Early Childhood Education or Development of Creative Expression, Play and Motor Skills in Early Childhood or Infant-Toddler Programming or Management of Human Service Programs	3
Course designated (H), (DH) or (HI)		3
HLTH 2603 or HHP 1823 or HHP 1843	Total Wellness (S) or Pedagogy of Non-Traditional Activities, Rhythm, and Movement or Pedagogy of Individual Activities	3
Or HHP 1833		
RM 4433	Evaluation in Recreation Management Services	3
MKTG course		3
Hours		15
Spring		
RM 4493	Administration of Recreation Services	3
EEE course		3
RM 4943	Grant Writing and Nonprofit Management	3
RM upper-division elective		3
RM elective		3
Hours		15
Summer		
RM 3483	Jr. Internship in Recreation Management	3
Hours		3
Senior		
Fall		
Course designated (A), (H), (N) or (S)		4
RM 4463	Areas and Facilities in Recreation Management	3
RM 4481	Senior Seminar in Recreation Management	1
ECON course		3
RM upper-division elective		6
Hours		17
Spring		
RM 4680	Internship in Recreation Management	9
RM 4683	Administrative Documentation in Internship for Recreation Management	3
Hours		12
Total Hours		122

Recreation Management (RM), Minor

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Tim Passmore, School of Kinesiology, Applied Health and Recreation, 181 Colvin Center, 405-744-1811

Minimum Overall Grade Point Average: 2.50 with no grade below "C."

Total Hours: 21

Code	Title	Hours
Minor Requirements		
RM 2413	Introduction to Recreation Management	3
RM 2473	Foundation of Recreation Management Leadership	3
RM 3463	Recreation Program and Event Planning	3
RM 3483	Jr. Internship in Recreation Management	3
RM 4433	Evaluation in Recreation Management Services	3
Select 6 hours of RM electives (one course must be 4000-level, no credit for Leisure/Activity courses) in consultation with RM faculty or academic advisor		6
Total Hours		21

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.
- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (<https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf>).

Recreational Therapy, BS

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH 1513	College Algebra (A)	3
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		8
BIOL 1113	Introductory Biology (N)	
& BIOL 1111	and Introductory Biology Laboratory (LN)	
or BIOL 1114	Introductory Biology (LN)	
CHEM 1314	Chemistry I (LN)	
or CHEM 1215	Chemical Principles I (LN)	
<i>Social & Behavioral Sciences (S)</i>		
Course designated (S)		6
Recommended:		
PSYC 1113	Introductory Psychology (S)	
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		6
Hours Subtotal		41
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
Select at least one Diversity (D) course		
Select at least one International Dimension (I) course		
College/Departmental Requirements		
Minimum GPA 2.50 with a minimum grade of "C" or "P" in each course		
EDHS 1112	First Year Seminar	2
HDFS 2113	Lifespan Human Development (S)	3
HHP 2654	Applied Anatomy	4

RT 3110	Workshop in Recreational Therapy (Psychomotor Development)	2
PSYC 3443	Psychopathology (S)	3
Select one of the following:		3
STAT 2013	Elementary Statistics (A)	
STAT 2023	Elementary Statistics for Business and Economics (A)	
STAT 2053	Elementary Statistics for the Social Sciences (A)	
BIOL 3204	Physiology	4
Hours Subtotal		21
Major Requirements		
Minimum GPA of 2.50 with a minimum grade of "C" or "P" in each course		
RT 2433	Introduction to Recreational Therapy	3
RT 2443	Contemporary Issues in Diversity (DS)	3
RM 2463	Recreation Management and Recreational Therapy Laboratory	3
RT 3413	Recreational Therapy and Mental Illness/Intellectual Disabilities	3
RT 3423	Recreational Therapy in Geriatric Practices	3
RT 3433	Recreational Therapy and Physical Disabilities	3
RT 3441	Warm Water Therapy Lab	1
RT 3443	Assessment in Recreational Therapy	3
RT 3473	Medical Terminology and Procedures for Recreational Therapy (Must be taken with RT 3480)	3
RT 3483	Junior Internship in Recreation Therapy (Must be taken with RT 3473)	3
RT 3843	Recreational Therapy Facilitation Techniques & Interventions	3
Nine hours from the following:		9
RT 4489	Senior Internship in Recreational Therapy (Must be taken with RT 4483)	
OR		
RT 4480	Senior Internship in Recreational Therapy	
RMRT 4843	Recreational Therapy & Healthcare Administration	3
or RT 4843		
RT 4483	Administrative Documentation in Internship for Recreational Therapy (Must be taken with RT 4489)	3
RT 4581	Senior Seminar in Recreational Therapy	1
RT 4833	Recreational Therapy and Pediatrics	3
RT 4933	Advanced Methods In Recreational Therapy	3
Select 5 hours of electives from the following:		5
Upper-division RT course and/or:		
EPSY 3113	Psychological Foundations of Childhood	
EPSY 3413	Child and Adolescent Development	
EPSY 4063	Exploration of the Creative Experience	
HDFS 2233	Development of Creative Expression, Play and Motor Skills in Early Childhood	
HDFS 3203	Children's Play: A World Perspective (I)	
HDFS 3413	Infant and Child Development	

HDFS 3423 Adolescent Development in Family
Contexts (S)

Hours Subtotal	58
Total Hours	120

Additional Recreational Therapy Degree Requirements

- 40 hours of upper-division coursework.
- Required for graduation:
 - 2.50 Overall GPA;
 - 2.50 GPA in major for enrollment in RT 4480 Senior Internship in Recreational Therapy;
 - and 2.50 GPA in College/Departmental Requirements.
- The student must earn minimum grades of "C" or "P" in the College/Departmental Requirements and Major Requirements.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Sports and Coaching Science (SPCS), Minor

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Education Student Academic Services, 101 Nancy Randolph Davis,
405-744-5053

Minimum Overall Grade Point Average: 2.50 with no grade below "C."

Total Hours: 19

Code	Title	Hours
Minor Requirements		
HHP 1703	Introduction to Exercise Science	3
HHP 2553	Basic Athletic Injury Management	3
HHP 3133	Sport Supplements For Human Performance	3
HHP 3553	Theory and Practice of Coaching	3
HHP 3883	Coaching Internship	3
HHP 4124	Principles of Strength and Conditioning	4
Total Hours		19

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.
- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (<https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf>).

School of Teaching, Learning and Educational Sciences

Shelbie Witte, PhD—Chuck and Kim Watson Endowed Chair, School Head and Senior Director of Teacher Education

The School of Teaching, Learning and Educational Sciences develops outstanding education professionals and school psychologists who have the confidence and demonstrated competence to be leaders, advocates, and agents of change in regional, national and world communities. We employ and model authentic, engaging methods and innovative, collaborative practices to develop scholars, especially teachers, teacher educators and school psychologists who are transformative leaders and reflective practitioners adept at using creative and effective methods to foster productive and just communities. Programs in the School of Teaching, Learning and Educational Sciences (STLES) include curriculum studies, elementary education, gifted and talented education, secondary education, literacy education, science/mathematics education, special education and school psychology. Consistent with the University's Professional Education unit conceptual framework, all programs leading to teacher certification at both initial and advanced levels incorporate the L.E.A.D.S. framework based on leadership, ethics and professionalism, academic and professional roles, diversity and service orientation/ community outreach. Graduate program goals in STLES focus on the concepts of agency, pedagogy, diversity and research.

Course Prefixes

Most courses in STLES programs carry the CIED (Curriculum and Instruction) prefix. Other course prefixes include LLCE (Language, Literacy & Culture), SPED (Special Education), SMED (Science/ Mathematics Education), and SPSY (School Psychology).

Undergraduate Programs

- Jill Metzger, MS—Teaching Instructor and Elementary Education Area Coordinator
- Shanendra Nowell, PhD—Associate Professor and Secondary Education Area Coordinator

The School offers undergraduate degrees in elementary, secondary, and K-12 education. The Bachelor of Science in Elementary Education degree qualifies the student for an Oklahoma elementary teaching certificate (grades 1-8). The program is intended to provide students with:

- a breadth of knowledge reflecting the broad traditions of general education, and
- a depth of knowledge in the area of specialization.

The degree includes four field experiences, culminating in a full-semester clinical internship, through which teacher candidates work in a diverse school setting, while demonstrating and strengthening their pedagogical knowledge. This degree is offered face-to-face in Stillwater and also through the Elementary Education Online program worldwide. The culminating clinical internship placement opportunities include placement in accredited schools in a radius including and outside of Stillwater, with out-of-state placements for online program students and international placements also available. All students complete a Professional Portfolio. Oklahoma certification also mandates the Praxis Performance Assessment for Teachers (PPAT) (<https://www.ets.org/ppat.html>) and the Certification Examinations for Oklahoma Educators.

The Bachelor of Science in Secondary or K-12 Education degree is designed to prepare teacher candidates who are life-long learners, emerging professionals and subject matter specialists with strong liberal arts backgrounds. Each secondary/K-12 degree and certification program includes general education courses, extensive specialization coursework in the discipline area, and professional education courses accompanied by school-based field experiences. Degree options leading to certification for teaching grades 5-12 are English and social studies. The foreign language option leads to certification in grades K-12. Secondary science and mathematics education students pursue degrees from the College of Arts and Sciences through the OSUTeach program. Students complete a Professional Portfolio. Oklahoma certification also mandates the Praxis Performance Assessment for Teachers (PPAT) (<https://www.ets.org/ppat.html>) and the Certification Examinations for Oklahoma Educators.

Programs/Areas of Emphasis Degrees

Degrees offered through STLES programs include Bachelor of Science (BS), Master of Science (MS), Education Specialist (EdS), and Doctor of Philosophy (PhD).

Elementary Education

- Elementary Education—BS, BS Online Option

Secondary Education

- Secondary Education
 - English—BS
 - Mathematics—BS
 - Science—BS
 - Social Studies—BS
 - Foreign Language—BS
- OSU Teach

Teaching, Learning, and Leadership

- College Teaching—GRCT
- Effective Teaching in Secondary Schools—GRCT
- Effective Teaching in the Elementary School—GRCT
- Elementary Mathematics Specialist—GRCT
- STEM—GRCT
- Curriculum and Leadership Studies—MS
- K12 Education—MS
- Math/Science Education—MS
- Reading/Literacy—MS
- Special Education—MS

EdS in Education

- Education Specialist in Language, Literacy and Culture

PhD in Education

- Curriculum Studies—MS, PhD
 - College Curriculum and Teaching—PhD
 - Curriculum and Leadership—PhD
 - International and Peace Leadership—PhD
- Language, Literacy, and Culture—PhD
- Mathematics Education—PhD
- Science Education—PhD
- Special Education—PhD

School Psychology

- School Psychology—EdS, PhD

Courses

CIED 1230 Reading and Study Skills for College Students

Description: Instruction and laboratory experience for the improvement of reading rate, vocabulary, comprehension, and study skills. Graded on pass-fail basis. Offered for variable credit, 1-4 credit hours, maximum of 4 credit hours.

Credit hours: 1-4

Contact hours: Lecture: 1-4 Contact: 1-4

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 2453 Introduction to Teaching and Learning

Prerequisites: Declaration of intention to pursue a program in Professional Education.

Description: Overview of teaching and learning in the 21st century so that students understand the foundations of education and basic pedagogy.

This course includes the initial pre-professional clinical experience in schools, first through eighth grades. Required for full admission to Professional Education. Previously offered as CIED 2450.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

CIED 3005 Foundations of Literacy

Prerequisites: ENGL 1113, ENGL 1213, ENGL 2413.

Description: Survey of evaluation, selection and utilization of literature of childhood; introduces cognitive and linguistics foundations of literacy; language conventions needed to compose and comprehend oral and written texts. Work in school setting.

Credit hours: 5

Contact hours: Lecture: 5 Contact: 5

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 3133 Children's Literature Across the Curriculum

Description: Critical, analytical and instructional skills for teaching with culturally diverse literature for elementary and middle school learners. Integration of literature across the curriculum to develop critical thinking, social literacy, and inquiry skills. Previously offered as CIED 4023.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 3253 Teaching Language Arts in the Elementary and Middle School

Prerequisites: ENGL 1113 and ENGL 1213 and ENGL 2413.

Description: Learning theory, content, and methods related to teaching spoken, written, and visual forms of communication. Focus is on listening, speaking, writing and on teaching knowledge, skills and strategies inherent in those processes. Stresses integration of central literacy components (reading, writing, speaking, listening to, and viewing a wide range of texts in a variety of forms) and across the curriculum, teaching diverse learners and perspectives, inquiry, and critical literacy.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 3293 Teaching Reading in the Elementary and Middle School

Prerequisites: ENGL 1113 and ENGL 1213 and ENGL 2413.

Description: Learning theory, content and methods specifically related to teaching children to read a wide range of texts for a wide range of purposes. Understandings of central reading components such as print awareness, phonological/phonemic awareness, phonics, fluency, vocabulary, comprehension, and critical literacy. Best practices for teaching reading effectively for diverse learners with varied needs and interests. Includes program phonics exam.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 3313 Field Experience in the Secondary Schools

Prerequisites: Consent of instructor, 2.50 GPA, and passing scores on the Oklahoma General Education Test.

Description: Seminars, directed observation and participation in a particular subject area of the secondary/K-12 school. Experience in meeting the mental, social, physical, and cultural needs among children. Previously offered as CIED 3712.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

CIED 3622 Middle Level Education

Prerequisites: CIED 2453.

Description: Overview of the nature of young adolescents as well as an examination of the curriculum, instruction, and organization of middle grade schools. Also includes a field-based experience in a middle school. Previously offered as CIED 3623.

Credit hours: 2

Contact hours: Lecture: 1 Lab: 2 Contact: 3

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

CIED 4000 Field Studies in Education

Description: Independent study and/or field experiences, such as spending a semester in an experimental program working with handicapped children in schools, in-depth studies in research projects, internships with school personnel. Graded on a pass-fail basis. Offered for variable credit, 1-4 credit hours, maximum of 4 credit hours.

Credit hours: 1-4

Contact hours: Contact: 1-4 Other: 1-4

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CIED 4005 Literacy Assessment and Instruction

Prerequisites: CIED 3005 or HDFS 3213.

Description: Provides a comprehensive survey of teaching strategies, formal and informal assessment, curriculum materials, theory, and research pertaining to reading, writing, spelling and oral language development at the primary and elementary school levels. Practical experiences required.

Credit hours: 5

Contact hours: Lecture: 4 Lab: 2 Contact: 6

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

CIED 4012 Integration of Literacy

Prerequisites: CIED 4005; full admission to Professional Education.

Description: Integration of reading, writing, and oral language; integration of literacy instruction into the content areas in elementary school curriculum.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 4041 Interdisciplinary Curriculum Design and Development

Prerequisites: Full admission to Professional Education and concurrent enrollment in 3430, 4012, 4153, 4323, 4353, and 4362.

Description: Planning and development of interdisciplinary teaching units for the elementary school classroom. Pedagogical approaches and materials for teaching integrated themes, as well as research on effective integrated teaching practices.

Credit hours: 1

Contact hours: Lab: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lab

Department/School: Teaching, Learning, Ed Science

CIED 4073 Elementary School Curriculum Design and Development

Prerequisites: Full admission to Professional Education.

Description: Students will understand and learn to apply the foundations of elementary curriculum, the processes of designing curriculum for elementary classrooms, the analysis of instructional practices, and the data driven decision making to improve student learning. May not be used for degree credit with CIED 5093.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 4093 Teaching Grammar in the Secondary Schools

Prerequisites: ENGL 4013 (or concurrent enrollment) or instructor permission is required.

Description: Inductive teaching of grammar and usage for writing and oral communication. Lessons include learning to teach literary devices, poetic nomenclature, etymology of idiomatic expressions, and such linguistic elements as homonyms, synonyms, and antonyms.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 4133 Introduction to K-12 English Language Learners

Description: This course facilitates prospective teachers' learning about how to educate English Language Learners in their classes, schools, and communities. Taking a comprehensive, learner-centered approach to research, theory, policy, and practice, topics covered include current trends, pedagogical strategies, and instructional theories related to English Language Learners.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 4194 Teaching Writing in the Secondary School

Prerequisites: ENGL 1113, ENGL 1213, ENGL 3203, all with grade of "B" or better; ENGL 4013 or concurrent or with instructor permission.

Description: Teaching secondary writing inductively in order to build on future students' reasoning skills ultimately leading to cogent, cohesive, audience-appropriate multimodal composition. Previously offered as CIED 4193.

Credit hours: 4

Contact hours: Lecture: 4 Contact: 4

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 4213 Introduction to Visual Arts in the Curriculum

Description: Provides an understanding of the theoretical basis for the use of art activities in developing sensory perception and aesthetic sensitivity as an integral part of the curriculum. Includes a wide range of opportunities for student involvement in experimentation and exploration with a variety of two- and three-dimensional art media. Emphasis on both creative expression and appreciation of the visual arts in the home, school and community as a vital aspect of instruction in the school, preschool level through grade eight. May not be used for degree credit with CIED 5350.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

CIED 4233 Literacy Assessment and Instruction**Prerequisites:** CIED 3293 and CIED 3253.**Description:** Selection, administration, and interpretation of a variety of formal and informal literacy assessments. Use of assessment results to plan, evaluate, and revise effective instruction for diverse learners within an assessment/evaluation/instruction cycle. Tutoring practicum is required.**Credit hours:** 3**Contact hours:** Lecture: 2 Lab: 2 Contact: 4**Levels:** Undergraduate**Schedule types:** Lab, Lecture, Combined lecture and lab**Department/School:** Teaching, Learning, Ed Science**CIED 4263 Teaching and Learning Foreign Languages in the Elementary Schools (Grades 1-8)****Description:** Purpose, selection and organization of foreign language curriculum content, teaching and learning theories, and procedure and evaluation of outcome for diverse students. Teaching techniques and materials for grades 1-8. May not be used for degree credit with CIED 5303.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**CIED 4313 Young Adult Literature****Prerequisites:** Senior or Graduate level standing.**Description:** Survey of print and non-print materials, including multicultural and multi-ethnic materials for young adults from middle school through high school. History, criticism, selection, and evaluation of young adult literature and exploration of its relation to the needs and interests of young people. May not be used for degree credit with CIED 5513.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**CIED 4323 Social Studies in the Elementary School Curriculum****Prerequisites:** Full admission to Professional Education.**Description:** Purposes, selection and organization of content, teaching and learning procedures, and evaluation of outcomes in elementary social studies. May not be used for degree credit with CIED 5323.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**CIED 4373 Classroom Environments and Experience****Description:** Introduction to the design and management of the physical, social, intellectual aspects of the elementary classroom. Overview of the purposes, selection and organization of classroom management systems and teaching approaches. Directed observation and participation in classrooms. Previously offered as CIED 4362. May not be used for degree credit with CIED 5363.**Credit hours:** 3**Contact hours:** Lecture: 2 Lab: 2 Contact: 4**Levels:** Undergraduate**Schedule types:** Lab, Lecture, Combined lecture and lab**Department/School:** Teaching, Learning, Ed Science**CIED 4450 Internship in Elementary Education****Prerequisites:** Concurrent enrollment in CIED 4453 or CIED 4720 and CIED 4730, successfully pass the subject area test, and full admission to Professional Education.**Description:** Advanced clinical experience as associate (student) teacher in schools, pre-kindergarten through grade eight. Graded on a pass-fail basis. Offered for variable credit, 1-12 credit hours, maximum of 12 credit hours.**Credit hours:** 1-12**Contact hours:** Contact: 1-12 Other: 1-12**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Teaching, Learning, Ed Science**CIED 4453 Senior Seminar in Elementary Education****Prerequisites:** Concurrent enrollment in CIED 4450 and full admission to Professional Education.**Description:** Legal and ethical issues, forms of assessment, including standardized testing, working with colleagues and other professionals, integration of performing arts including music and drama, and completion of a professional portfolio. Taken concurrently with student teaching in the final semester of the elementary education program.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**CIED 4463 Senior Seminar: Learning and Teaching in Diverse School Cultures****Prerequisites:** Senior classification; full admission to Professional Education and concurrent enrollment in CIED 4450.**Description:** Designing elementary classroom environments and curriculum that meet the needs of diverse populations.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**CIED 4473 Reading for the Secondary Teacher****Prerequisites:** Consent of instructor, 2.50 GPA, and passing scores on the Oklahoma General Education Test.**Description:** Materials and procedures in the teaching of reading in secondary schools for content area teachers.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science

CIED 4713 Teaching and Learning in the Secondary School

Prerequisites: Full admission to Professional Education and consent of instructor.

Description: Purposes, selection and organization of curriculum content, teaching and learning theories and procedures, and evaluation of outcomes for diverse students. Teaching techniques and materials for art, English, foreign languages, science, and the social studies. This course **MUST** be taken the semester prior to student teaching/internship. May not be used for degree credit with CIED 5713.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 4720 Internship in the Secondary Classroom

Prerequisites: CIED 4713, CIED 4724 or CIED 4734 or CIED 4744, full admission to Professional Education and successfully passing the subject area test in the content area of Internship.

Description: Supervised observation and student teaching in fields in which the student intends to qualify for teaching certification. Development of awareness of and experience with mental, social, physical and cultural differences among adolescents. Graded on a pass-fail basis. Offered for variable credit, 1-12 credit hours, maximum of 12 credit hours.

Credit hours: 1-12

Contact hours: Contact: 1-12 Other: 1-12

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CIED 4724 Classroom Management in the Multicultural PK-12/ Secondary School

Prerequisites: Full admission to Professional Education.

Description: An overview of classroom management and discipline approaches, parental involvement, school climate, and community relations. Includes field experiences in a diverse secondary classroom. Course previously offered as CIED 4723. May not be used for degree credit with CIED 5724.

Credit hours: 4

Contact hours: Lecture: 2 Lab: 4 Contact: 6

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

CIED 4734 Planning and Management in the Multicultural Foreign Language K-12 Classroom

Prerequisites: Full admission to Professional Education.

Description: An overview of classroom management and discipline approaches, parental involvement, school climate, and community relations. Includes field experiences in a diverse secondary classroom.

Credit hours: 4

Contact hours: Lecture: 2 Lab: 4 Contact: 6

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

CIED 4744 Planning and Management in the Multicultural Art K-12 Classroom

Prerequisites: Full admission to Professional Education.

Description: An overview of classroom management and discipline approaches, parental involvement, school climate, and community relations. Includes field experiences in a diverse secondary classroom. Previously offered as CIED 4730.

Credit hours: 4

Contact hours: Lecture: 2 Lab: 4 Contact: 6

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

CIED 4813 Second Language Acquisition Research and Pedagogy

Description: The overall focus of this course is on introduction to theory, research, and practice in the fields of first and second language acquisition; understanding of language acquisition at various developmental levels, both within and outside of the classroom; and application of language acquisition theories to instructional practice. May not be used for degree credit with CIED 5843.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 4823 Foreign Language Instruction, Curriculum, and Assessment: Grades PK-12

Prerequisites: CIED 4813.

Description: History of foreign language education and teaching; understanding the role of foreign language in PK-12 programs; application of national and state foreign language learning standards in instructional planning; application of approaches, methods, strategies, and techniques of foreign language teaching; utilization of assessment tools to obtain information about foreign language learners' learning; and selection, evaluation, development, and modification of foreign language curricula. May not be used for degree credit with CIED 5863.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5000 Master's Report or Thesis

Prerequisites: Consent of adviser.

Description: Students studying for a master's degree enroll in this course for a total of 2 credit hours if they write a report or 6 hours if they write a thesis. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CIED 5010 Practicum for Early Career Secondary Teachers

Prerequisites: Admission into the Secondary Teaching Graduate Certificate Program or permission of instructor.

Description: Facilitated mentoring support for performing professional functions in classroom settings for early career teachers. Offered for variable credit, 1-4 credit hours, maximum of 4 credit hours.

Credit hours: 1-4

Contact hours: Contact: 1-4 Other: 1-4

Levels: Graduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CIED 5033 Teaching Foreign Languages in the Schools K-12

Description: Curriculum, materials, methods and procedures related to foreign languages (grades K-12).

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5043 Issues in Teaching

Description: Current issues and trends in teaching theory, practice and research with emphasis on teacher reflection.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5053 Curriculum Issues

Description: A study of curriculum that includes philosophy, history, decision-making, major concepts and terms.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5073 Pedagogical Research

Description: Theory and application of pedagogical inquiry with emphasis on teacher as researcher, pedagogical question posing, and techniques of pedagogical inquiry, including narrative, autobiography, case writing, action research, and artifactual documentation of teacher performance.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5093 Curriculum Design

Description: The theorizing and practical development of course and curriculum design. Focus on learning sciences, social implications, and interpreting student goals through state and national standards.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5123 Curriculum in the Secondary School

Description: Contemporary curricular issues, philosophies, and points of view in secondary school education.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5143 Language Arts in the Curriculum

Description: Content and current issues in the language arts. Materials and methods for teaching the communication skills.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5153 Advanced Studies in Children's Literature

Description: Study of children's literature within the prevailing political, economic and social factors influencing cultural patterns and values. The tools of research in children's literature and the nature and direction of contemporary children's book publishing.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5173 Kindergarten-Primary Curriculum

Description: Study of kindergarten-primary curriculum, including philosophy, history, current practice, and issues. For administrators, teachers and students in curriculum and early childhood education.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5183 Media Literacy Across the Curriculum

Description: Examination of the history of media literacy. Major topics and issues in the field of media literacy and curriculum in media literacy across subject areas.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5203 Foundations of Literacy Education 1-8

Description: Major literacy theories, content, and pedagogy with a required 45-hour field experience. For graduate students seeking initial certification in elementary education.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5213 Introduction to Teaching and Learning

Prerequisites: Admission to the MAT program.

Description: Overview of teaching and learning in the 21st Century.

Requires field experience in PK-12 Classrooms.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Graduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

CIED 5303 Teaching and Learning Foreign Languages in the Elementary Schools (Grades 1-8)

Description: Purpose, selection and organization of foreign language curriculum content, teaching and learning theories, and procedure and evaluation of outcome for diverse students. Teaching techniques and materials for grades 1-8. May not be used for degree credit with CIED 4263.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5310 Field Experience in the Elementary School

Description: Directed observation and participation in classrooms, First through grade eight. Concurrent seminar exploring multicultural education and integrated programs. Offered for variable credit, 1-2 credit hours, maximum of 3 credit hours. Corequisite(s): CIED 4362; full admission to Professional Education.

Credit hours: 1-2

Contact hours: Lab: 3-6 Contact: 3-6

Levels: Graduate, Undergraduate

Schedule types: Lab

Department/School: Teaching, Learning, Ed Science

CIED 5313 Curriculum of the Elementary School

Description: Contemporary trends, philosophies and points of view in elementary school education. Previously offered as CIED 6113.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5323 Teaching Social Studies in the Schools

Description: Curriculum, materials, methods, and procedures related to social studies.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5333 Effective Classroom Management for Secondary Schools

Prerequisites: Admission into the Secondary Teaching Graduate Certificate Program or permission of instructor.

Description: Examines classroom management, classroom discipline, and education issues of immediate concern (culturally responsive pedagogy, social justice, anti-bias applications, and using diverse technologies in the secondary classroom) for novice teachers. Course is required in the Graduate Certificate for Effective Teaching in Secondary Schools program.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5343 Introduction to K-12 English Language Learners

Description: Pedagogical strategies and instructional theories related to English Language Learners and culturally diverse students.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5350 The Visual Arts in the Curriculum

Description: Creative approaches to the use of two- and three-dimensional media as they relate to various aspects of education. Opportunities available for periodic group and individual evaluation in order to give direction and significance to future growth. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CIED 5353 Literature for Children, Adolescents and Adults

Description: Exploration of the elements and characteristics of quality literature for readers of all ages, addressing evaluation, selection, and utilization. Research component requiring learners to design and conduct relevant research into literature learning and engagement with selected populations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5363 Effective Teaching Strategies for the 6-12 Classroom

Prerequisites: Admission into the Secondary Teaching Graduate Certificate Program or permission of instructor.

Description: Includes a study of effective instructional practices and assessment in the 6-12 classroom. Topics will include but not be limited to: research-based models of instruction, teacher questioning, facilitating classroom discussions, lesson planning, assessment, differentiated instruction, culturally responsive pedagogy, and teaching culturally and linguistically diverse learners. Course is required as part of the graduate certificate program for Effective Teaching in the Secondary Schools.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5373 Design and Management of the Elementary School Classroom

Description: Introduction to the design and management of the physical, social, and intellectual aspects of the elementary classroom. Overview of the purposes, selection and organization or applicable classroom management systems and teaching approaches. May not be used for degree credit with CIED 4362. Previously offered as CIED 5362.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5403 Teaching and Learning in the Secondary Schools: English Language Arts Methods

Prerequisites: Admission into the Secondary Teaching Graduate Certificate Program or permission of instructor.

Description: Examines current trends and issues in Secondary English Language Arts. The major focus is to provide an overview of instructional strategies, assessment techniques, and curriculum development. Course is required in the Graduate Certificate for Effective Teaching in Secondary Schools program.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5413 Teaching and Learning in the Secondary Schools: Social Studies Methods

Prerequisites: Admission into the Secondary Teaching Graduate Certificate Program or permission of instructor.

Description: Examines current trends and issues in Secondary Social Studies Education. The major focus is to provide an overview of instructional strategies, assessment techniques, and curriculum development. Course is required in the Graduate Certificate for Effective Teaching in Secondary Schools program.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5423 Literacy Instruction in Primary Grades

Description: Analysis of growth in literacy from the preschool level through early elementary years. Examination of literacy learning processes and instructional procedures.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5433 Reading and Writing in the Content Areas

Description: Study of the development and use of reading and writing across the content areas.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5443 Teaching Reading with Literature

Description: Teaching reading comprehension strategies through the use of children's literature. Designed to prepare library media specialists and other literacy educators to explicitly teach comprehension strategies to PK-12 students.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5450 Internship in Elementary Education

Prerequisites: Full admission to professional education; successfully pass the subject area OSAT; successful completion of all other course work.

Description: Clinical internship for teacher candidates in schools. Concurrent seminar on educational policy, legal, and curriculum development issues. Offered for variable credit, 3-6 credit hours, maximum of 9 credit hours.

Credit hours: 3-6

Contact hours: Lab: 6-12 Contact: 6-12

Levels: Graduate

Schedule types: Lab

Department/School: Teaching, Learning, Ed Science

CIED 5463 Practicum I: Literacy Assessment and Instruction

Prerequisites: CIED 5423 and CIED 5143 or consent of instructor.

Description: Development of knowledge of reading, writing, and language assessment and instruction for K-12 students. 11 hours of supervised field experience for authentic literacy assessment, evaluation, and tutoring, plus 10-15 hours of targeted lesson planning outside of class meetings.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5473 Reading & Writing Difficulties

Description: Study of research and formal assessment tools related to reading and writing difficulties in children and adults.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5483 Literacy and Technology Across the Curriculum

Description: The characteristics of computer-facilitated learning relating to broad definitions of literacy. Use of a variety of computer and literacy tools across the curriculum.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5493 Multisensory Phonics Instruction

Description: This course provides in-depth content specifically focused on evidence-based instruction in phonemic awareness, systematic and explicit phonics, and spelling. The course supports teachers and reading specialists who work with students with dyslexia.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5513 Young Adult Literature

Description: Survey of print and non-print materials, including multicultural and multi-ethnic materials for young adults from middle school through high school. History, criticism, selection, and evaluation of young adult literature and exploration of its relation to the needs and interests of young people. May not be used for degree credit with CIED 4313.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5523 Practicum II: Advanced Literacy Interventions

Prerequisites: CIED 5463 or consent of instructor.

Description: Assessment, evaluation, and targeted instruction in reading and writing for K-12 students who experience difficulty learning literacy processes. Collaboration among teachers, literacy coaches, and resource personnel. Includes 11 hours of supervised practicum focused on small group intervention instruction. Previously offered as CIED 5520.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5553 Literacy Leadership and Coaching

Prerequisites: CIED 5463.

Description: Develops skills and knowledge for school literacy program design and leadership, and for coaching other teaching professionals in literacy teaching.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5623 Multicultural and Diversity Issues in Curriculum

Description: Understanding of the historical and contemporary perspectives toward cultural diversity. Development of an awareness of diverse culture and language communities; understanding of critical issues of race, class, gender, and ethnicity in education; perennial issues of multiculturalism in public education and in global society; a comprehensive overview of principles and current research on bilingual and multicultural education.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5640 Special Topics in Literacy Education

Description: Topics vary to address special topics in literacy education. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Lecture: 1-6 Contact: 1-6

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5643 Integrating Teaching at the Elementary Level

Description: Study and analysis of theories related to children's learning and implications for integrating teaching at the elementary level.

Examination of teachers, own practices through reflection and research, study diverse populations, share teaching approaches and materials across the curriculum, and explore outreach to school, family and community.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5663 Integrating Teaching in the Secondary School

Description: In-service for middle to secondary teachers especially with professional development in their own school settings and in further graduate work. Examination of own practices through reflection and research, study of diverse adolescents, sharing of teaching approaches and materials across the curriculum, and exploration of outreach to school, family and community. Teacher leadership. Previously offered as CIED 5664.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5710 Internship in Secondary School

Prerequisites: Full admission to professional education; successfully pass the subject area OSAT; successful completion of all other course work.

Description: Advanced clinical experience for teacher candidates (student teacher) in secondary schools. Offered for variable credit, 3-6 credit hours, maximum of 9 credit hours.

Credit hours: 3-6

Contact hours: Lab: 6-12 Contact: 6-12

Levels: Graduate

Schedule types: Lab

Department/School: Teaching, Learning, Ed Science

CIED 5713 Teaching and Learning in the Secondary School

Prerequisites: Full admission to Professional Education.

Description: Purposes, selection and organization of curriculum content, teaching and learning theories and procedures, and evaluation of outcomes for diverse students. Teaching techniques and materials for art, English, foreign languages, science, and the social studies. This course MUST be taken the semester prior to student teaching/internship. May not be used for degree credit with CIED 4713.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5720 Education Workshop

Description: For teachers, principals, superintendents and supervisors who need advanced curriculum and instruction course work related to K-12 subject areas and pedagogy, in the areas of instruction and administration. Students must register for the full number of credit hours for which the workshop is scheduled for a particular term. Offered for variable credit, 1-8 credit hours, maximum of 8 credit hours.

Credit hours: 1-8

Contact hours: Contact: 1-8 Other: 1-8

Levels: Graduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CIED 5723 Gender and Curriculum

Description: An overview of gender issues in curriculum theory and practice. Understanding of historical and contemporary perspectives on gender in the context of schooling, pedagogy, and education.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5724 Classroom Management in the Multicultural PK-12/Secondary School

Prerequisites: Full admission to Professional Education.

Description: An overview of classroom management and discipline approaches, parental involvement, school climate, and community relations. Includes field experiences in a diverse secondary classroom. Course previously offered as CIED 4723. May not be used for degree credit with CIED 4724.

Credit hours: 4

Contact hours: Lecture: 2 Lab: 4 Contact: 6

Levels: Graduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

CIED 5730 Seminar in Education

Description: Seminar topics may differ depending upon the nature of current interests and topics in American education. May not be used for degree credit with SMED 4560. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CIED 5733 History of Reading

Prerequisites: Graduate standing with the Graduate College.

Description: This course provides an examination of the historical landscape of reading education paradigms, research, theory development, instruction, and policy in the U.S. Key research pioneers in reading/literacy education and their work, from a variety of "camps" (e.g. psychological or information processing, phonics, behaviorist, constructivist, reading and writing process, socio-cultural, etc.), will also be examined.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5810 Internship Art and Foreign Language in PK-12 School

Prerequisites: Full admission to professional education; successfully pass the subject area OSAT; successful completion of all other course work.

Description: Advanced clinical experience for art or foreign language teacher candidates (student teacher) in PK-12 schools. Offered for variable credit, 3-6 credit hours, maximum of 9 credit hours.

Credit hours: 3-6

Contact hours: Lab: 6-12 Contact: 6-12

Levels: Graduate

Schedule types: Lab

Department/School: Teaching, Learning, Ed Science

CIED 5813 Educational Advocacy and Leadership

Description: Preparation of teachers as advocates and leaders in educational policy and practice at various levels. Skills in action research, policy analysis, and coalition building leading to advocacy.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5823 Mindfulness, Curriculum, and Teaching

Description: The concept of mindfulness and its meanings for education. Theory and practice of mindful curriculum and teaching.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5843 First and Second Language Acquisition for Teachers

Description: The overall focus of this course is on introduction to theory, research, and practice in the fields of first and second language acquisition; understanding of language acquisition at various developmental levels, both within and outside of the classroom; and application of language acquisition theories to instructional practice. May not be used for degree credit with CIED 4813.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5850 Directed Study

Prerequisites: Consent of instructor.

Description: Directed study for master's level students. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CIED 5853 Teaching Writing GR 1-8

Prerequisites: Admission into MAT program.

Description: Learning theory, content, and methods related to teaching spoken, written, and visual forms of communication. Focus on listening, speaking, writing and on teaching knowledge, skills and strategies inherent in those processes. Stresses integration of central literacy components and across the curriculum, teaching diverse learners and perspectives, inquiry, and critical literacy. Meets with CIED 3253. No degree credit for those with credit in CIED 3253.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5863 Foreign Language Instruction, Curriculum and Assessment: Grades PK-12

Description: History of foreign language education and teaching; understanding the role of foreign language in PK-12 programs; application of national and state foreign language learning standards in instructional planning; application of approaches, methods, strategies, and techniques of foreign language teaching; utilization of assessment tools to obtain information about foreign language learners' learning; and selection, evaluation, development, and modification of foreign language curricula. May not be used for degree credit with CIED 4863.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5893 Reading Processes and Practices GR 1-8

Prerequisites: Graduate Standing and consent of Instructor.

Description: Learning theory, content, and methods specifically related to teaching children to read a wide range of texts. Understandings of central reading components such as print awareness, phonological/phonemic awareness, phonics, fluency, vocabulary, comprehension, and critical literacy. Best practices for teaching reading effectively for diverse learners with varied needs and interests. Includes program phonics exam. Meets with CIED 3293. No degree credit for those with credit in CIED 3293.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5963 Teaching Grammar in the Secondary Schools

Prerequisites: Graduate status or instructor permission.

Description: Students learn to teach language inductively to build thinking, language and writing skills. Meets with CIED 4093. No degree credit for those with credit in CIED 4093.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5973 Formative Literacy Assessment GR 1-8

Prerequisites: CIED 5893 and CIED 5853; or consent of instructor.

Description: Selection, administration, and interpretation of a variety of formal and informal literacy assessments. Use of assessment results to plan, evaluate, and revise effective instruction for diverse learners within an assessment/evaluation/instruction cycle. Tutoring practicum required. Meets with CIED 4233. No degree credit for those with credit in CIED 4233.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 5993 Teaching Writing in the Secondary Schools

Prerequisites: Graduate status or instructor permission.

Description: Students learn to teach writing inductively by building the reasoning skills that lead to cogent, cohesive, audience-appropriate writing. Focus is on increasing the underlying skills necessary for writing description through argumentation. Meets with CIED 4193. No degree credit for those with credit in CIED 4193 or CIED 4194.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6000 Doctoral Dissertation

Description: Required of all candidates for the Doctor of Philosophy degree. Credit is given upon completion of the dissertation. Offered for variable credit, 1-25 credit hours, maximum of 25 credit hours.

Credit hours: 1-25

Contact hours: Contact: 1-25 Other: 1-25

Levels: Graduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CIED 6030 Contemporary Issues in Curriculum Studies

Description: Examination of selected contemporary topics in curriculum studies. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CIED 6033 Analysis of Teaching

Description: Advanced study of multiple forms of analysis of teaching such as behavioral, phenomenological, and constructivist with emphasis on major research on teacher reflection and teacher narrative.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6040 Special Topics in College Curriculum and Teaching

Description: Topics vary to address issues related to college curriculum and teaching at various levels of higher education. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Lecture: 1-6 Contact: 1-6

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6043 Curriculum Leadership

Description: A study of curriculum leadership and implications for schooling; focus on what it means to be a curriculum leader in times of major societal change and educational reform.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6053 Advanced Curriculum Studies

Description: In-depth examination of key concepts, topics, trends, and the interdisciplinary nature of curriculum studies. Critical analysis of contemporary curriculum discourses.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6060 Advanced Special Topics in Literacy Education

Description: Topics vary to address special topics in literacy education at the doctoral level. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CIED 6063 Curriculum History

Description: Examines in-depth the history of various movements in U.S. curriculum thinking and the individuals who promoted them, with attention to the cultural and institutional contexts within which they worked. Emphasis is given to primary sources and the position of curriculum thinking within evolving educational thinking.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6070 Seminar in Arts and Humanities Education

Prerequisites: Graduate standing or instructor permission is required.

Description: Topics, research trends, theories, themes, and/or problems of interest and use in research, theorizing, publishing, and teaching. Particular focus on the skill of writing a theoretical lens and analyzing texts through that lens. Offered for fixed credit, 3 credit hours, maximum of 6 credit hours.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6073 Advanced Pedagogical Research

Description: Advanced theory and application of pedagogical research with emphasis on teacher as researcher, teacher research as professional development and education reform, techniques of pedagogical research and pedagogical question posing.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6090 Readings in Arts and Humanities Education

Prerequisites: Graduate standing or instructor permission is required.

Description: In-depth readings specific to research and theorizing in arts and humanities education. Focusing on analysis, students examine primary texts and related secondary texts. Offered for fixed credit, 3 credit hours.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6133 Theory to Practice in Education

Description: A culminating seminar demonstrating the application of theory from several disciplines to the practical problems of education: curriculum development, organization, teaching strategies and evaluations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6143 School Reform

Description: Current issues in school reform with an emphasis on U.S. education; focus on what it means to engage in reform from dual points of view: curriculum leader and recipient of reform mandate.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6153 Curriculum of Nonviolence

Description: The concept of nonviolence and its implications for curriculum and education. Curriculum dynamics of nonviolence. Curriculum theory and practice for, about, and through nonviolence.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6163 Advanced Research Strategies in Curriculum

Prerequisites: SCFD 6113.

Description: Exploration of designs and methods within qualitative and quantitative research as applied to the field of curriculum. Articulation on how to ensure that both qualitative and quantitative studies meet their respective standards of rigor. Previously offered as CIED 5063.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6173 International Peace Curriculum Development

Description: Conceptual foundations of peace education; theory and practice of developing school and college curriculum about and for international peace; case studies of international conflict resolution and peace curriculum.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6183 Advanced Media Literacy Across the Curriculum

Description: This course examines the interdisciplinary area of media literacy across the curriculum. Major themes such as issues of hegemony and strategies of media literacy in diverse classrooms will be explored. Students will analyze and evaluate various curriculum theories as applied to media literacy as well as research in the field. Finally, the future of media literacy and debates in the field will be considered.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6253 Designing and Conducting Mixed Methods Research

Prerequisites: REMS 5953 (or equivalent) and SCFD 5913 (or equivalent); admittance to a doctoral level program.

Description: Participants will examine the history, philosophical foundations, and methodological issues of mixed methods research.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6433 Seminar in Literacy

Description: Research of issues in literacy education using knowledge gained through both research and classroom practice.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6503 Doctoral Seminar

Description: In-depth investigation into the doctoral experience and the professoriate including research and writing for the dissertation and for publication; grant writing; professionalism and ethics; professional service; and teaching in higher education. Primarily for students in the PhD program in Curriculum Studies and Professional Education Studies.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6850 Directed Reading

Prerequisites: Consent of instructor.

Description: Directed reading for students with advanced graduate standing to enhance students' understanding in areas where they wish additional knowledge. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CIED 6853 Improvement of Instruction in Reading

Description: Problems and issues related to reading instruction. The roles of various school personnel in changing curriculum and methods.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CIED 6880 Internship in Education

Prerequisites: Consent of instructor.

Description: Directed off-campus experiences designed to relate ideas and concepts to problems encountered in the management of the school program. Offered for variable credit, 1-8 credit hours, maximum of 8 credit hours.

Credit hours: 1-8

Contact hours: Contact: 1-8 Other: 1-8

Levels: Graduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CIED 6910 Practicum

Prerequisites: Consent of adviser.

Description: Helps the student carry out an acceptable research problem (practicum) in his/her local school situation. Credit given upon completion of the written report. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CTED 2000 Field Experience

Description: Supervised work experience in student's proposed teaching area with special emphasis on occupational skill development. Written agreement between student, employer and department must be made prior to beginning of field experience program. Graded on a pass-fail basis. Previously offered as TIED 2000. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CTED 3000 Occupational Experience

Description: Credit to be determined by a special skill competency examination. Previously offered as TIED 3000. Offered for variable credit, 1-24 credit hours, maximum of 24 credit hours.

Credit hours: 1-24

Contact hours: Lecture: 1-24 Contact: 1-24

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CTED 3203 Foundations of Career and Technical Education

Description: Opportunities provided by career and technical education through the programmatic areas of trade and industrial, marketing, business and information technology, health occupations, and technology education. The relationship of CTED to other elements of the educational system, including legislative aspects, student guidance, and programs for students with special needs. Previously offered as TIED 3203.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CTED 3903 Seminar in Professional Education

Description: Procedures for completing certification and portfolio requirements and gaining admission to Professional Education and student teaching. Documentation of field experiences, professional development opportunities, and observations of at least 45 clock hours of master teachers in various school settings. Previously offered as TIED 3900.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CTED 4010 Career and Technical Education Workshop

Description: Professional workshops of various topics and lengths. Focus on a particular topic from such areas as the development, use, and evaluation of instructional methods and materials. Previously offered as TIED 4010. May not be used for degree credit with WAED 5170. Offered for variable credit, 1-6 credit hours, maximum of 12 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CTED 4103 Instructional Procedures in Career and Technical Education

Description: Methods and techniques for effective teaching and learning in career and technical classroom, laboratories, and technology-based environments. Previously offered as TIED 4103. May not be used for degree credit with WAED 5163.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CTED 4110 Career and Technical Information

Description: New developments in scientific and technical information and knowledge that are relevant to current career, technical and trade practices. Previously offered as TIED 4110. May not be used for degree credit with WAED 5110. Offered for variable credit, 1-6 credit hours, maximum of 12 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CTED 4113 Career and Technical Education in American Society

Description: Characteristics of career and technical education and its development, role and function in a changing American society. Economic and sociological considerations of career and technical programs. Exploration of the interrelationship of career and technical and academic subject strategies for teaching multicultural and special needs in career and technical and adult education. Previously offered as TIED 4113, OAED 4113, and OCED 4113.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CTED 4123 Coordinating Career and Technical Student Organizations and Activities

Description: Student organizations and activities in career and technical education at local, state and national levels. Procedures for planning programs of work, incorporation of student organization activities into curriculum, adviser characteristics and responsibilities, fund-raising activities, and techniques for recognizing outstanding members and community supporters. Previously offered as TIED 4123. May not be used for degree credit with WAED 5183.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CTED 4213 Safety, Organization and Management of Learning Facilities

Description: Techniques and procedures for organizing and managing career and technical laboratory facilities and learner activities to enhance the quality of instruction and improve efficiency of equipment and space utilization, including all safety rules and procedures. Previously offered as TIED 4213 and TIED 4214. May not be used for degree credit with WAED 5193.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CTED 4223 Program Planning and Development in Career and Technical Education

Description: Planning and designing programs for the development of human resources. Program goals and objectives, curriculum, facilities, teaching-learning theories, materials development, program resources, and program and instructional evaluation. Previously offered as TIED 4223 and OAED 4223.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CTED 4313 Computers and Multimedia in Career and Technology Education

Description: Review of current hardware systems and software applications and their uses in career and technology education. Current and emerging issues facing career and technology instructors using technology in the classroom. A wide range of Internet and multimedia tools and techniques and their functions in career and technical teaching and learning. Instructional technology usage issues and computer-based materials suitable in professional settings. Previously offered as OCED 4213 and TIED 4313.

Credit hours: 3

Contact hours: Lecture: 1 Lab: 4 Contact: 5

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

CTED 4333 International Career and Technical Education

Description: Comparison and analysis of international career and technical education. Previously offered as TIED 4333 and OAED 4333.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CTED 4343 Occupational Analysis and Curriculum Development

Description: Analysis of occupational job activities; development of course objectives, course outlines, and specific instructional materials for occupational and technical courses. Previously offered as TIED 4343 and TIED 4344. May not be used for degree credit with WAED 5213.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CTED 4413 Career and Technical Education Practicum I

Prerequisites: Successful completion of CTED 3903; full admission to Professional Education.

Description: Organized teaching experiences under the guidance of a university professional educator designed to broaden and enhance the candidate's preparation. Portfolio submission II included.

Credit hours: 3

Contact hours: Contact: 3 Other: 3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CTED 4470 Teaching Practicum in Career and Technical Education II

Prerequisites: Full admission to Professional Education; CTED 3903 and CTED 4113.

Description: Organized teaching experiences under the guidance and direction of a local school cooperating professional and university professional educator. Participant assigned to a cooperating teacher with responsibility for planning, implementing, and evaluating the classroom, laboratory, or shop. Previously offered as TIED 4470. Offered for variable credit, 1-12 credit hours, maximum of 12 credit hours.

Credit hours: 1-12

Contact hours: Contact: 1-12 Other: 1-12

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

CTED 4673 Current Issues in Career and Technical Education

Description: Defining current issues, conducting action research and proposing possible solutions to current issues in CTED. Debating opposing views and giving logic and reasoning for each view. May not be used for degree credit with WAED 5733.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

CTED 4683 Legal Issues in Career and Technical Education

Description: Overview of the law and the legal system, including how to perform legal research using library and Internet resources, issues involving student organizations, intellectual property, and distance education. May not be used for degree credit with WAED 5683.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

EPSY 1003 Learning to Learn

Description: Learning effective strategies to succeed through online individualized assessment, positive attitude development, habit change, development and self-efficacy and self-regulation. Learning tools include goal setting, developing information skills, questioning, transformational learning, presentation and information use skills. Analyzing class materials, problem solving, creativity, teacher analysis, reflection, developing classroom motivation and appropriate classroom behavior to lead to classroom success.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 1013 Emotional Skills in Learning Success

Description: Striving for academic excellence through self awareness and growth in areas of social and emotional development. Interpersonal and intrapersonal skills, leadership skills, and self-management skills in the context of emotional intelligence theories.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 2513 Foundations of Ethical Leadership

Prerequisites: 24 hours in good standing; admission into the UGLC or consent of instructor.

Description: Introduces students to a variety of theoretical views of ethics and leadership studies through the identification of contemporary ethical challenges and the development of foundational leadership skills to meet those challenges. Same course as HESA 2513.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 3063 Critical Thinking, Problem Solving, and Creative Processes

Description: Learning theory in developing strategies for promoting critical thinking, problem solving, and creativity.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 3110 Educational Psychology Seminar

Description: Problems, trends, contemporary topics, and pertinent issues in educational psychology. Concentrated study of selected areas not usually addressed in the undergraduate curriculum. Offered for variable credit, 1-3 credit hours, maximum of 3 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EPSY 3113 Psychological Foundations of Childhood

Description: The child from conception to puberty with focus on educational implications of development in cognitive, affective and psychomotor domains. Previously offered as ABSE 3113.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 3213 Psychology of Adolescence

Description: The adolescent from pubescence to adulthood with focus on educational implications of development in cognitive, affective and psychomotor domain. Course previously offered as ABSE 3213.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 3413 Child and Adolescent Development

Description: The person from conception through adolescence with focus on education implications of development in cognitive, affective, social, and physical domains. Course previously offered as ABSE 3413.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 3533 Motivating Learners

Description: Current practices in learner motivation, school age through adult. Developing positive attitudes and building community in classrooms to stimulate motivation of all learners.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 4063 Exploration of the Creative Experience

Description: The creative experience in art (visual to performing), articulation (oratory to literature), thought (philosophy to psychology), business (practices to products), leisure (procreation to recreation). Western and Eastern viewpoints. Personal creative development fostered by modeling and by investigation of proven techniques. A wide range of creative endeavor with an experiential approach. Future-oriented applications. Course previously offered as ABSE 4063.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 4223 Psychological Foundations of Learning and Instruction

Description: Instructional psychology focusing on the study of teaching and learning theory as part of an instructional program to deal with individual, cultural, and environmental differences. Case studies and group discussion emphasizing motivation, planning, evaluation, classroom problems and management.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 4503 Ethical Leadership for the Common Good

Prerequisites: EPSY 2513 or HESA 2513.

Description: Builds on foundational model of ethical theory and leadership studies through application of ethical theory and leadership skills to specific contexts and evaluation of their results. Same course as HESA 4513.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 4533 Competency Motivation

Description: Development of competence through the application of research strategies in achievement motivation. Examines intellectual ability, motives, goals, attributions, competence perceptions and values as they relate to developmental issues, demographics, contextual influences, culture, and self-regulation.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 4743 Learning, Motivation, and Social Justice

Description: Foundational principles of learning, motivation, and global identity; critical analysis of contemporary cultures; and application of learning in addressing global issues of social justice.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5000 Master's Thesis

Prerequisites: Consent of advisory committee chairperson.

Description: Report of research conducted by a student in the master's program in school and educational psychology. Credit given and grade assigned upon completion and acceptance of the thesis. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EPSY 5001 Colloquium: Educational Psychology

Description: Discussion of issues related to graduate study in educational psychology and related fields.

Credit hours: 1

Contact hours: Contact: 1 Other: 1

Levels: Graduate

Schedule types: Discussion

Department/School: Educ Found Leadersh & Aviation

EPSY 5103 Human Development in Psychology

Description: Introduction to basic research and theories of cognitive, emotional and social development. Applications to educational and family settings. Course previously offered as ABSE 5103.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5123 Academic Writing in the Learning Sciences

Description: Introduction to the structure and organization of academic writing appropriate for a Creative Component, project, thesis, or doctoral dissertation. Students will be expected to prepare a proposal for their special topic.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5320 Seminar in Educational Psychology

Description: In-depth exploration of contemporary topics in educational psychology. Offered for variable credit, 3-9 credit hours, maximum of 9 credit hours.

Credit hours: 3-9

Contact hours: Contact: 3-9 Other: 3-9

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EPSY 5403 Issues in Adolescent Development

Description: Current issues in adolescent development in an educational context and culture, including self, family, peers, school and work relationships. Gender differences within culture, race and class examined. Current dilemmas explored using critical theory and action research.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5463 Psychology of Learning

Description: Evaluation of, and application to, education, psychology, and other learning contexts of research-based, contemporary psychological theories of human learning. Course previously offered as ABSE 5463.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5473 Psychology of Adult Learning

Description: Analysis of the psychological foundation of adult learning both in and out of learning programs across the lifespan. Differentiates among adults of all ages in terms of practice and performance in a variety of settings, including classroom, community, and work environments. Examines the intellectual, social, cultural, emotional, motivational, and performance components of the psychology of adult learning.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5553 Motivation in Educational Contexts

Description: An overview of empirically informed theories of motivation from a psychological perspective with emphasis on contextual influences in and outside the classroom. Topics include beliefs about ability and intelligence, goals, casual attributions, the value of academic tasks, and psychological needs.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5603 Developmental Issues in Instruction

Prerequisites: Three hours in developmental psychology, educational psychology or consent of instructor.

Description: Developmental issues in instruction at all levels from early childhood through adulthood. Specific impacts of developmental stages on the acquisition and retention of cognitive, affective and psychomotor development at various levels and contexts will be examined and applications to instruction will be provided.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5663 Creativity for Teachers

Description: Theoretical origins of creativity and their concomitant applications in the learning environment. Blocks to creative thinking, imagination, imagery, creativity testing, developing ideas and innovations, creative problem solving and teaching techniques and methods to maximize creative potential in all kinds and types of students. Course previously offered as ABSE 5663.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5713 Transpersonal Human Development

Description: Human development in terms of individual consciousness, focusing on the implications of such extraordinary states of consciousness as those associated with hallucinogenic drugs and mystical religious experience. Integration of psychological and religious interpretations of development. Applications to practical problems in education and psychology. Course previously offered as ABSE 5713.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5720 Educational and School Psychology Workshop

Description: Workshop on various topics related to educational and school psychology. Offered for variable credit, 1-9 credit hours, maximum of 9 credit hours.

Credit hours: 1-9

Contact hours: Contact: 1-9 Other: 1-9

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EPSY 5773 Individual Intellectual Assessment

Description: Intensive study of various intelligence and achievement batteries, including the Wechsler scales and the Woodcock Johnson Tests of Achievement. Emphasis and practice in administration, scoring, interpretation. Further emphasis on issues related to report writing, non-discriminatory assessment, and the history of intelligence testing.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5963 Developing Resources to Support Educational Programs

Description: Development, management and evaluation of programs in intra- and extra-class settings. Program types include parent, volunteer, mentor, tutor, group sponsors in technology, business involvement, curricular enhancement and service learning. Developing community and business interest through public relations, financial development, grantsmanship or resource information sources. Developing Internet resources to support learners. Course previously offered as EPSY 5962.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 5983 Instructional Effectiveness in Higher Education

Prerequisites: Graduate standing or consent of instructor.

Description: For teaching assistants in all areas. The many aspects of teaching in higher education. Both theory, e.g., traditional instructional design and practical applications, e.g., how to create a lecture. Issues related to instructional design, development of classroom climate, understanding and assessment of students, classroom practices, materials creation for teaching and development of support systems.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 6000 Doctoral Dissertation

Prerequisites: Consent of advisory committee chairperson.

Description: Report of research conducted by a student in the doctoral program in educational school psychology. Credit given and grade assigned upon completion and acceptance of the doctoral thesis. Offered for variable credit, 1-25 credit hours, maximum of 25 credit hours.

Credit hours: 1-25

Contact hours: Contact: 1-25 Other: 1-25

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EPSY 6001 Colloquium II: The Job Search in Educational Psychology and Related Fields

Description: Discussion of issues related to the job search process in educational psychology and related fields.

Credit hours: 1

Contact hours: Contact: 1 Other: 1

Levels: Graduate

Schedule types: Discussion

Department/School: Educ Found Leadersh & Aviation

EPSY 6043 Adult Development

Description: Theory and research concerning human development during the adult years. Practical applications for serving adult populations in education and education-related settings. Course previously offered as ABSE 6043.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 6110 Seminar in School Psychology

Description: An assessment of psychological techniques applied to problems encountered in the internship. Course previously offered as ABSE 6110. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EPSY 6153 Advanced Research in Educational Psychology

Description: Research in educational psychology in areas such as recent trends in the field, exploration of research designs in Educational Psychology, writing and dissemination of research, ethics and collaboration, and development of skills to be competent consumers of the literature.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 6163 Emotion and Cognition

Description: The relationship between emotion and cognition as it relates to knowing and learning. History, wisdom and the interdependence of affect and cognition, the effects of mood on memory, emotion in feminist epistemology, the role of feeling in the writing process, intuition, and narrative thought. Exploration of potential research. Course previously offered as ABSE 6163.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 6213 Advanced Educational Psychology

Prerequisites: Three hours in developmental psychology or consent of instructor.

Description: Learning and its effect upon coping and adjustment. How learning, environmental and personality factors interact to change human behavior. Course previously offered as EPSY 5213.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 6323 Psychological Consultation

Prerequisites: Admission to graduate program in the SAHEP or psychology program.

Description: Models and strategies for the delivery of special services in the schools and other agencies that focus on serving the mental health needs of children, adolescents and adults. The use of consultation as a problem solving alternative to the assessment/label approach. Same course as CPSY 6323, students can receive credit in only one of the courses. Course previously offered as ABSE 6323.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 6443 Theories and Problems in Educational Psychology

Prerequisites: Admission to the doctoral program in educational psychology or consent of instructor.

Description: Theoretical foundations and nature of the problems studied in educational psychology; current issues and historical overview.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 6460 Internship in Educational Psychology

Prerequisites: Consent of instructor.

Description: May be repeated for credit when work assignment varies. Required of all teaching assistants in educational psychology during the first semester of each new teaching assignment. Includes cooperative planning and evaluation. Course previously offered as ABSE 6460.

Offered for variable credit, 1-9 credit hours, maximum of 9 credit hours.

Credit hours: 1-9

Contact hours: Contact: 1-9 Other: 1-9

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EPSY 6533 Human Motivation

Description: A theoretically-oriented approach to the concept of motivation; essential precursors to human behavior and applications to the solution of real and hypothetical problems. Course previously offered as ABSE 6533.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

EPSY 6850 Directed Readings in Educational and School Psychology

Prerequisites: Consent of instructor.

Description: Directed reading for students with advanced graduate standing in educational and school psychology. Course previously offered as ABSE 6850. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

EPSY 6880 Internship in Education

Prerequisites: Admission to advanced graduate program and consent of area coordinator.

Description: Directed off-campus experiences designed to relate ideas and concepts to problems encountered in the management of the school program. Course previously offered as ABSE 6880. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

FDEP 5183 Theories of Social Psychology

Prerequisites: Permission of instructor.

Description: History, theories, and empirical findings regarding the interactions between individual and group functioning. Previously offered as EPSY 5183.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

FDEP 5493 Psychology of Learning and Behavior

Description: An introduction to the psychology of learning and behavior. Examination of the principles of Classical and Operant conditioning and integration of these and other learning theories into applied settings.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

FDEP 6123 Biological Bases of Behavior

Description: A study of the physiological basis for behavior. A survey of neurophysiology with emphasis placed upon sensory and motor processes, and the effect which emotion and motivation have upon the organization of behavior.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

FDEP 6133 History and Systems of Psychology

Description: History and systems of psychology related to contemporary applied psychology. Previously offered as EPSY 6133.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

GTED 5063 Introduction to Gifted and Talented Education

Description: Concepts, techniques, and strategies for providing differentiated educational programs and experiences for the gifted and talented. State and Federal legislation; development of gifts and talents; program types; identification systems; program development; materials development; teaching techniques and methodologies. Previously offered as EPSY 5063.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

GTED 5163 Counseling Techniques for Teachers of Gifted and Talented Students

Description: Techniques for dealing with the conflicts experienced by gifted and talented students. Strategies for consulting with teachers, peers, and parents regarding optimal development of gifted. Peer counseling techniques, dealing with self-concept, social and emotional concerns, problem solving and decision making, referral procedures and self-analysis for teachers related to learning and teaching philosophy and style. Previously offered as EPSY 5163.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

GTED 5363 Differentiating Curriculum for Gifted Learners

Description: Development of curriculum for horizontal and vertical expansion and acceleration. Commercial and teacher prepared materials in imagination; imagery; analogy; metaphor; inductive, deductive and abductive thinking; sciencing; philosophy; logic systems; problem solving; psychology; concept learning; creativity; creative dramatics, etc. Conceptual approaches to the use of the preceding in various interest based and non-interest based curricular formats. Previously offered as EPSY 5363.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

GTED 5620 Practicum with Exceptional Learners

Description: Supervised individual and group experience with exceptional learners. The particular experience (learning disability, mental retardation, gifted, etc.) is determined by the student's field of specialization. Previously offered as EPSY 5620. Offered for variable credit, 1-6 credit hours, maximum of 8 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

GTED 5763 Teaching Methods and Techniques for Gifted Education

Description: Development of curriculum for horizontal and vertical expansion and acceleration. Commercial and teacher prepared materials in imagination; imagery, analogy, metaphor; inductive, deductive and abductive thinking; sciencing; philosophy; logic systems; problem solving; psychology; concept learning; creativity; creative dramatics, etc. Conceptual approaches to the use of the preceding in various interest based and non-interest based curricular formats. Previously offered as EPSY 5763.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

GTED 5863 Developing Programs for the Gifted and Talented

Description: Programs based on various philosophies and structural concepts of gifted and talented education, e.g., inclusion, self-contained, pullouts, magnet schools, time blocking, acceleration and enrichment. Programs designed for general and specific academic ability; however, exposure will be provided to creative and productive thinking programs, leadership programs, and visual and performing arts programs. Specific models included. Previously offered as EPSY 5863.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

GTED 5993 Identification and Behavioral Characteristics of the Gifted and Talented

Description: Cognitive, affective, and behavioral characteristics of the gifted and talented. Selections of tests and interest inventories. Selection and/or developing of nomination/recommendation forms/models, inventories, checklists, rating scales, sociograms as well as data abstraction from cumulative and anecdotal records. Functions of gifted/talented identification committees. Previously offered as EPSY 5993.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

LLCE 2003 American Stories: Diverse Peoples in YA Literature (DH)

Description: Explores young adult literature representations of diverse peoples in America. Students examine historical and contemporary representations of diverse social and cultural groups through a variety of critical, analytical lenses such as literary or formal analysis, anti-bias antiracist/critical literacy, disability studies lens, genetic/historical criticism, and queer reading of young adult literature. Requires reading, discussion, and written analysis of young adult literature.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

General Education and other Course Attributes: Diversity, Humanities

LLCE 6060 Special Topics in Language, Literacy & Culture Education

Description: Seminar on special topics in language, literacy, and culture education. Course topics will differ depending on current interests and issues in the field.

Credit hours: 1-6

Contact hours: Lecture: 1-6 Contact: 1-6

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

LLCE 6083 Seminar in Writing Pedagogy

Prerequisites: Graduate standing with Graduate College.

Description: Seminal works in theory and research related to the teaching of writing in K-16 settings are examined. Students will examine the scholarship on genre theories, writing process theory, and writing pedagogy, considering the practical classroom implications and applications for this work. This course relies on reading, discussion, synthesis of key concepts, and individual inquiry as central learning processes. Previously offered as CIED 6083.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

LLCE 6093 English Language Learners: Theory, Research, Policy and Practice

Description: History, theory, research, policy and practice of teaching English Language Learners and Emergent Multilingual students in PK-12 settings. Emphasis is placed on the critical pedagogical and theoretical aspects of teaching ELL, research and policy, as well as how assessments are used for the identification and placement of ELL students. Previously offered as CIED 6093.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

LLCE 6183 Colloquium in Cultural Studies

Prerequisites: Graduate standing. For those in education, recommend SCFD 6113 and SCFD 6983.

Description: The study of culture and the problematics of culture beyond national boundaries and disciplinary divisions through interdisciplinary and post-disciplinary lenses in, but not limited to, the context of language and multiliteracies.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

LLCE 6193 21st Century Literacies: Theory, Research, and Practice

Description: Theory and research on new literacies for the 21st Century including digital literacies, multimodalities, multi-literacies, participatory culture, and popular culture, considering the implications and applications for K-20 classroom. Previously offered as CIED 6193.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

LLCE 6513 Staff Development in Literacy Education

Description: Design and delivery of research related to staff development experiences in literacy. Previously offered as CIED 5510 and CIED 6513.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

LLCE 6653 Issues and Trends in Adolescent Literacy

Description: This course addresses current issues and trends in adolescent literacy education including theory, research, and practice. Previously offered as CIED 6653.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

LLCE 6673 Theory and Research on Teaching Contemporary Children's and YA Literature

Description: Theory and research related to teaching literacy through and with Contemporary Children's Adolescent, and Young Adult Literature. Previously offered as CIED 6673.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

LLCE 6683 Language, Literacy and Culture

Description: The social-cultural perspectives related to the role of language in mediating literate behaviors, cognition and action in learning contexts. Aspects of language use within various learning contexts (situated cognition) and its academic, technical and everyday discourse in understanding the interrelationships among teaching, learning, knowledge and culture. Previously offered as CIED 6684 and CIED 6683.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 1012 Inquiry Approaches to Teaching

Prerequisites: Interest in exploring teaching as a career.

Description: Master teachers introduce students to examples of high-quality inquiry-based lessons and model the educational concepts to which they are being introduced. Students prepare and participate in the teaching of multiple lessons in elementary classrooms. Previously offered as SMED 1011.

Credit hours: 2

Contact hours: Lecture: 1 Lab: 2 Contact: 3

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

SMED 1103 Teaching Science through Standards-Based Practices: Earth and Space Science

Description: Explores pedagogical strategies for the teaching and learning of Earth and space science systems. Students develop pedagogical content knowledge and will demonstrate a deep understanding of active investigations in the principles of Earth and space science systems. Course focuses on best pedagogical practices, formative assessments, and common student misconceptions.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

SMED 2011 Inquiry-Based Lesson Design-Step 2

Prerequisites: SMED 1011 and an interest in exploring teaching as a career.

Description: Master teachers introduce students to examples of high-quality inquiry-based lessons and model the educational concepts to which they are being introduced. In Step 2, students prepare and participate in the teaching of three (3) lessons in middle school classrooms.

Credit hours: 1

Contact hours: Lab: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lab

Department/School: Teaching, Learning, Ed Science

SMED 2100 Seminar in Mathematics Education

Description: This course provides students with exposure to topics of interest in the Mathematics Education field. Seminar topics will differ depending on current interests and topics in the field. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Lecture: 1-6 Contact: 1-6

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 2153 Teaching Algebra, Data and Probability Across the Elementary Curriculum

Description: Explores underlying concepts and pedagogical strategies for teaching algebra, data, and probability. Best pedagogical practices, formative assessment and common student misconceptions will be focused around all topics.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 2200 Seminar in Science Education

Description: This course provides students with exposure to topics of interest in the Science Education field. Seminar topics will differ depending on current interests and topics in the field. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Lecture: 1-6 Contact: 1-6

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 3013 Knowing and Learning in Mathematics and Science

Prerequisites: SMED 1011 and SMED 2011.

Description: Expands the prospective teacher's understanding of current theories of learning and conceptual development. Students examine their own assumptions about learning and critically examine the needs of a diverse student population in the classroom.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 3100 Workshop In Mathematics Education

Description: This course provides students with exposure to a specific topic of interest in the Mathematics Education field. Workshop topics will differ depending on current interests and topics in the field. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Lecture: 1-6 Contact: 1-6

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 3153 Teaching Mathematics at the Primary Level

Prerequisites: Grade of "C" or better in MATH 3403 or MATH 3603; six hours from MATH 1483, MATH 1493, MATH 1513, MATH 1613, MATH 2103, MATH 2144 or STAT 2013; consent of instructor.

Description: Developmental levels in selection and organization of content and procedures for primary mathematics education.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

SMED 3200 Workshop in Science Education

Description: This course provides students with exposure to a specific topic of interest in the Science Education field. Workshop topics will differ depending on current interests and topics in the field. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Lecture: 1-6 Contact: 1-6

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 4003 Teaching Fundamental Concepts of Mathematics

Prerequisites: Full admission to Professional Education.

Description: Teaching of the basic skill areas. Study and comparison of contemporary basic mathematics textbooks. Recommended to be taken concurrently with public school practicum experiences. Course previously offered as CIED 4003. May not be used for degree credit with SMED 5003.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 4013 Classroom Interactions

Prerequisites: SMED 1011, SMED 2011, SMED 3013

Description: A close examination of the interplay between teachers, students, and content, and how such interactions enable students to develop deep conceptual understanding. Students will learn how content and pedagogy combine to create effective teaching.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

SMED 4023 Problem-Based Learning in Mathematics and Science

Prerequisites: SMED 1011, SMED 2011, SMED 3013, SMED 4013, CIED 4613 or CIED 4003, and full admission to Professional Education.

Description: Explores authentic, important, and meaningful questions of real concern to students. Students will work in teams to formulate questions, make predictions, design investigations, collect and analyze data, make products and share ideas.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

SMED 4053 Teaching Geometry in the Secondary School

Prerequisites: Full admission to Professional Education.

Description: Overview of the present secondary geometry curricula and future trends. Axiomatic development of Euclidean geometry, proofs and transformational geometry from the perspective of the secondary mathematics teachers. Study and comparison of contemporary basic mathematics textbooks. Recommended to be taken after or concurrently with MATH 4403. Course previously offered as CIED 4053. May not be used for degree credit with SMED 5053.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 4153 Teaching Mathematics at the Intermediate Level

Prerequisites: SMED 3153 or SMED 5013 (for Graduate Students) and MATH 3403 and MATH 3603, full admission to Professional Education.

Description: Selection and organization of content, procedures for instruction, and evaluation of outcomes in teaching the mathematics of the intermediate grades. Some attention to instruction in upper grades of the elementary school. Course previously offered as CIED 4153. May not be used for degree credit with SMED 5103.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

SMED 4353 Science in the Elementary School Curriculum

Prerequisites: Completion of 12 hours with a grade of "C" or better in required science courses and be fully admitted to Professional Education.

Description: The purposes, selection and organization of content, teaching and learning procedures and evaluation of outcomes in elementary school science. Course previously offered as CIED 4353.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

SMED 4560 Environmental Education

Description: Development of (teacher/leader) competencies in the content, methods, philosophy, and historical perspective of contemporary environmental education curricula using both indoor and outdoor settings as a multidisciplinary learning laboratory. Same course as CIED 5730. Course previously offered as CIED 4560. May not be used for degree credit with SMED 5560. Offered for variable credit, 1-4 credit hours, maximum of 4 credit hours.

Credit hours: 1-4

Contact hours: Lecture: 1-4 Contact: 1-4

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 4611 Authentic Research in the Science Classroom

Prerequisites: SMED 1011; SMED 2011; SMED 3013; SMED 4013; and concurrent enrollment in SMED 4613.

Description: This course is designed to strengthen pre-service science teachers' understanding of how scientific knowledge is generated by engaging in an authentic research experience under the mentorship of a STEM mentor. Students will also learn how to write a scientific manuscript.

Credit hours: 1

Contact hours: Lab: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lab

Department/School: Teaching, Learning, Ed Science

SMED 4613 Teaching the Nature of Science Through an Inquiry Approach

Prerequisites: Full admission to professional education.

Description: This course is designed to assist pre-service science teachers in developing skills to teach science through an inquiry approach. Guided readings, discussions, group activities, and classroom field experiences, will focus on strengthening views on the nature of science. Course previously offered as CIED 4613. May not be used for degree credit with SMED 5203.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 4713 Teaching and Learning Science in the Secondary School

Prerequisites: CIED 4613, and full admission to Professional Education.

Description: Assists students in developing safe classroom practices, science curriculum, and educational assessments supported by teaching and learning theories. Weekly classroom field experiences are required. Must be taken the semester prior to student teaching/internship. May not be used for degree credit with SMED 5713.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

SMED 4723 Senior Seminar in Secondary Mathematics and Science Education

Prerequisites: SMED 1011, SMED 2011, SMED 3013, SMED 4013, SMED 4023, CIED 4613 or CIED 4003, and CIED 4713 or CIED 4053, and full admission to Professional Education.

Description: Explores classroom management and discipline approaches as well as teacher research, parental involvement, school climate and community relations. May not be used for degree credit with SMED 5723.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 4813 Yellowstone Science for Educators (N)

Description: Explore the science of the Greater Yellowstone Area (GYA). This course focuses on the systematic study of natural processes and mechanisms associated with the GYA. Emphasis is placed on the biological and physical (chemistry, earth, and physics) science concepts that have formed the parks that exist today. Consequences of human intervention are addressed. Applications of science content to K-12 classroom curricula are addressed. Required field trip to the GYA.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

General Education and other Course Attributes: Natural Sciences

SMED 5003 Teaching Fundamental Concepts of Mathematics

Prerequisites: Full admission to Professional Education.

Description: Teaching of the basic skill areas. Study and comparison of contemporary basic mathematics textbooks. Recommended to be taken concurrently with public school practicum experiences. May not be used for degree credit with SMED 4003.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5013 Mathematics Education: Theory and Practice(Grade 1-4)

Prerequisites: MATH 3403 and MATH 3603, Admission to MAT, Full admission to Professional Education.

Description: Curriculum, materials, methods, and procedures related to the theory and practices of teaching mathematics in grades 1-4. Meets with SMED 3153. No degree credit for those with credit in SMED 3153.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Graduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Teaching, Learning, Ed Science

SMED 5050 Seminar in Integrated Mathematics and Science Applications

Description: Seminar topics may differ depending upon the nature of current interests and topics in mathematics and science education.

Course previously offered as CIED 5050. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Lecture: 1-6 Contact: 1-6

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5053 Teaching Geometry in the Secondary School

Prerequisites: Full admission to Professional Education.

Description: Overview of the present secondary geometry curricula and future trends. Axiomatic development of Euclidean geometry, proofs and transformational geometry from the perspective of the secondary mathematics teachers. Study and comparison of contemporary basic mathematics textbooks. Recommended to be taken after or concurrently with MATH 4403. May not be used for degree credit with SMED 4053.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5083 Teaching Science in the Elementary School (Grades 1-8)

Description: Curriculum, materials, methods, and procedures related to the theory and practice of science teaching in grades 1-8. Course previously offered as CIED 5083.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5103 Teaching Mathematics at the Intermediate Level

Description: Selection and organization of content procedures for instruction, and evaluation of outcomes in teaching the mathematics of the intermediate grades. Some attention to instruction in upper grades of the elementary school. May not be used for degree credit with SMED 4153.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5113 Knowing and Learning in Mathematics and Science

Prerequisites: Admission to MAT program or consent of instructor.

Description: Expands the prospective teacher's understanding of current theories of learning and conceptual development. Students examine their own assumptions about learning and what it means to teach. They critically examine the needs of a diverse student population in the classroom. Meets with SMED 3013. No degree credit for those with credit in SMED 3013.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5123 Classroom Interactions in Mathematics and Science

Prerequisites: SMED 5113 and Admission to MAT program or consent of instructor.

Description: A close examination of the interplay between teachers, students, and content, and how such interactions enable students to develop deep conceptual understanding. Students will learn how content and pedagogy combine to make effective teaching. Includes a school-based field experience. Meets with SMED 4013. No degree credit for those with credit in SMED 4013.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5133 Problem-Based Learning in Mathematics and Science

Prerequisites: SMED 5113 and Admission to MAT program or consent of instructor.

Description: Explores authentic, important, and meaningful questions of real concern to students. Students will work in teams to formulate questions, make predictions, design investigations, collect and analyze data, make products and share ideas. Includes a school-based field experience. Meets with SMED 4023. No degree credit for those with credit in SMED 4023.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5143 Methods for Teaching Secondary Science

Prerequisites: Admission into the Secondary Teaching Graduate Certificate Program or permission of instructor.

Description: Examines current trends and issues in secondary school science. The major focus is to provide an overview of instructional strategies, assessment techniques, and curriculum development. Course is required in the Secondary Education Graduate Certificate Program.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5153 Methods for Teaching Secondary Math

Prerequisites: Admission into the Graduate Certificate for Effective Teaching in the Secondary Schools program or permission of instructor.

Description: Examines current trends and issues in secondary school mathematics. The major focus is to provide an overview of instructional strategies, assessment techniques, and curriculum development. Course is required in the Graduate Certificate for Effective Teaching in the Secondary Schools program.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5183 Social Justice by the Numbers: Learning to Teach Science & Math for Understanding & Equity

Description: This course explores principles of social justice in education as a lens for rethinking school mathematics and science.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5193 Inquiry and Problem-Based Learning in Science Education

Prerequisites: Completion of Bachelor's degree.

Description: Different aspects of teaching science through inquiry methods. Using current research as a guide, students will define scientific inquiry teaching and learning, explore assessing inquiry, and evaluate the roles of students, teachers, and discourse in the science classroom.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5203 Teaching the Nature of Science Through and Inquiry Approach

Prerequisites: Full admission to professional education.

Description: This course is designed to assist pre-service science teachers in developing skills to teach science through an inquiry approach. Guided readings, discussions, group activities, and classroom field experiences, will focus on strengthening views on the nature of science. May not be used for degree credit with SMED 4613.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5223 Teaching Science in the Schools

Description: Materials, methods and classroom procedures related to science in grades K-12. Course previously offered as CIED 5223.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5243 Environmental Education in the Curriculum

Description: Integration of environmental concepts in the total school curriculum. Review of P-12 environmental education curricula and methods of teaching environmental education in formal and nonformal settings. Course previously offered as CIED 5243.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5253 Teaching Rational Number Concepts, Proportional Reasoning, and Classroom Interactions

Prerequisites: Completion of a Bachelor's degree.

Description: Focus on teaching rational number concepts and developing proportional reasoning skills; attention given to learning methods which facilitate appropriate classroom interactions.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5263 Assessment and Evaluation in School Mathematics

Description: Focus on classroom assessment to help teachers identify what students know about critical mathematics concepts, skills, procedures, and facts. Emphasis would be on using that information to inform their instructional decisions and enhance student learning. Course previously offered as CIED 5263.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5270 Practicum in School Mathematics

Description: Diagnostic and therapeutic procedures in mathematics with students of all ages. Laboratory classes provide for clinical experiences in evaluation and instruction with children experiencing difficulty in mathematics. Course previously offered as CIED 5270. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

SMED 5273 Number Concepts and Assessment at the Elementary Level (PK-6)

Description: Analysis and construction of effective mathematical tasks in teaching number systems and operations at the PK-6 level; attention is also given to the expansion of content knowledge and issues related to assessment. Course previously offered as CIED 5273.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5280 Workshop in Science Education

Description: Explores topics in science education, including developing, and/or implementing elementary and/or secondary science programming. Course previously offered as CIED 5280. Offered for variable credit, 1-8 credit hours, maximum of 8 credit hours.

Credit hours: 1-8

Contact hours: Lecture: 1-8 Contact: 1-8

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5283 Problem-Centered Learning in Mathematics

Description: Focus on the different aspects of a problem-centered learning environment. Using current research as a guide, students will examine tasks, collaborative work, and the roles of students, teachers and discourse. Course previously offered as CIED 5283.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5293 Teaching and Learning Mathematics in Technology

Description: The focus of this course is on research and methods of teaching and learning with technology in the mathematics classroom. Topics will include philosophical, social, developmental and theoretical issues associated with the development and use of technology and school reform. Activities and applications will be explored as they relate to the potential for providing a technology-rich learning environment conducive to student construction of mathematical knowledge. Course previously offered as CIED 5293.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SMED 5313 Introduction to K-12 Engineering Education**Prerequisites:** Completion of a Bachelors Degree.**Description:** Involves the study of engineering education topics within the K-12 setting, which includes exploring current related literature as well as the implementation of the engineering design process.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**SMED 5323 Technology for the K-12 STEM Educator****Prerequisites:** Completion of a Bachelor's Degree.**Description:** Survey of current innovative technologies for K-12 STEM classrooms.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**SMED 5333 Developing Informal and Formal STEM Programs in Schools****Prerequisites:** Completion of a Bachelor's Degree.**Description:** Examines the areas of Science, Technology, Engineering, and Mathematics (STEM) that relate to curriculum development, instruction practices and leadership integration in schools and districts. Students will gain knowledge and skills to support STEM infusion throughout formal and informal environments.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**SMED 5560 Environmental Education****Description:** Development of (teacher/leader) competencies in the content, methods, philosophy, and historical perspective of contemporary environmental education curricula using both indoor and outdoor settings as a multidisciplinary learning laboratory. May not be used for degree credit with SMED 4560. Offered for variable credit, 1-4 credit hours, maximum of 4 credit hours.**Credit hours:** 1-4**Contact hours:** Lecture: 1-4 Contact: 1-4**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**SMED 5613 Effective Teaching of Mathematics in the Secondary School****Prerequisites:** Consent of instructor.**Description:** Directed advanced practicum in secondary school mathematical education. Includes study of current research findings in mathematical education, teaching strategies, materials and evaluation procedures in the secondary school. For experienced classroom teachers, superintendents, principals and supervisors. Course previously offered as CIED 5613.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**SMED 5713 Teaching and Learning Science in the Secondary School****Prerequisites:** Full admission to Professional Education.**Description:** This course is designed to assist preservice science teachers in developing skills to teach science through an inquiry approach. The three components of science literacy: science content knowledge, practices of science, and nature of science are taught throughout the lens of a mentored science research apprenticeship. May not be used for degree credit with SMED 4713.**Credit hours:** 3**Contact hours:** Lecture: 2 Lab: 2 Contact: 4**Levels:** Graduate**Schedule types:** Lab, Lecture, Combined lecture and lab**Department/School:** Teaching, Learning, Ed Science**SMED 5723 Senior Seminar in the Secondary Mathematics and Science Education****Description:** Explores classroom management and discipline approaches as well as teacher research, parental involvement, school climate and community relations. May not be used for degree credit with SMED 4723.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**SMED 5750 Seminar in Mathematics Education****Prerequisites:** Consent of instructor.**Description:** Problems, issues and trends in mathematics education. Course previously offered as CIED 5750. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.**Credit hours:** 1-6**Contact hours:** Lecture: 1-6 Contact: 1-6**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**SMED 5813 Assessment in Science Education****Prerequisites:** Completion of a Bachelor's degree.**Description:** Guided readings, discussions, and group activities focus on strengthening students' understanding of state and national assessments in science education. Previously offered as SMED 6013.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**SMED 5913 Teaching Geometry and Spatial Visualization****Prerequisites:** Completion of a Bachelor's degree.**Description:** Focus on the development of geometric concepts and spatial visualization. Attention given to the understanding of learning trajectories and their role in student learning. Course previously offered as CIED 5913.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science

SMED 5923 Teaching Algebra and Mathematical Tasks**Prerequisites:** Completion of a Bachelor's degree.**Description:** Focus on algebra concepts of functional thinking and generalized arithmetic. Attention will be given to the analysis and construction of effective mathematical tasks in the teaching of algebra. Course previously offered as CIED 5923.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**SMED 5933 Teaching Data and Probability in Schools****Prerequisites:** Completion of a Bachelor's degree.**Description:** Focus on statistical literacy and the teaching of PK-12 data and probability concepts; emphasis on the use of instructional technology to enhance student learning.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**SMED 5943 Mathematics Leadership and Coaching****Prerequisites:** Completion of a Bachelor's degree and nine hours from SMED 5253, SMED 5273, SMED 5913, SMED 5923, and SMED 5933.**Description:** Develops skills and knowledge for school mathematics program design and leadership, and for coaching other teaching professionals in mathematics teaching. Course previously offered as CIED 5943.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**SMED 6123 Teaching the Nature of Science in Secondary Science Education****Prerequisites:** Successful completion of a bachelor's degree.**Description:** Guided readings, discussions, and group activities focus on strengthening views on the nature of science. Course previously offered as CIED 6123.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**SMED 6223 Instruction and Learning in Science and Mathematics Education****Prerequisites:** Acceptance into a doctoral program.**Description:** Focus on learning and teaching in science and mathematics education contexts. Students will analyze and synthesize research in science and mathematics education that are related to the learning sciences. Course previously offered as CIED 6223.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**SMED 6233 Affective Issues in Teaching Mathematics and Sciences****Prerequisites:** Bachelor's Degree**Description:** Explores current affective issues that influence the teaching and learning of mathematics and science. Students will explore topics such as beliefs, attitudes, emotions, motivation, efficacy, identity, and anxiety.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**SMED 6753 Research in Mathematics and Science Education****Description:** The examination of current research in mathematics and science teaching and learning, research designs, and the generation of new hypotheses. Course previously offered as CIED 6750 and SMED 6750.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**SPED 3202 Educating Exceptional Learners (D)****Description:** Learning characteristics, needs and problems of educating the exceptional learner in the public schools. Implications of the learning, environmental and cultural characteristics; planning and program assistance available for accommodating the exceptional learner in regular and special education programs; observation of exceptional learners. Previously offered as ABSE 3202.**Credit hours:** 2**Contact hours:** Lecture: 1 Lab: 2 Contact: 3**Levels:** Undergraduate**Schedule types:** Lab, Lecture, Combined lecture and lab**Department/School:** Teaching, Learning, Ed Science**General Education and other Course Attributes:** Diversity**SPED 3623 Characteristics of Students with Mild/Moderate Disabilities****Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science**SPED 3683 Models of Instruction in the Inclusive Classroom****Description:** Current techniques, models, and approaches used to teach students with mild-moderate disabilities and the theoretical bases for these techniques and approaches in inclusive classrooms will be presented. May not be used for degree credit with SPED 5683.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Teaching, Learning, Ed Science

SPED 3743 Planning, Compliance, and Current Practices in SPED

Prerequisites: SPED 3202 Teaching Exception Children.
Description: Examination of current and past policies and procedures that govern identification, referral, eligibility, and Individualized Education Programs of PK-12 students with disabilities. Current practices for planning and implementing instruction within a continuum of service delivery models. May not be used for degree credit with SPED 5743.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Undergraduate
Schedule types: Lecture
Department/School: Teaching, Learning, Ed Science

SPED 4723 Transition Into Adulthood for Individuals with Disabilities

Description: Strategies for preparing youth and young adults with disabilities for transitioning into adulthood. Previously offered as ABSE 4723. May not be used for degree credit with SPED 5723.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Undergraduate
Schedule types: Lecture
Department/School: Teaching, Learning, Ed Science

SPED 4753 Techniques of Behavior Management and Counseling with Exceptional Individuals

Description: Techniques to develop and evaluate programs of behavior change for exceptional students including counseling with the exceptional individual and conferencing with professionals and parents. Previously offered as ABSE 4753.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Undergraduate
Schedule types: Lecture
Department/School: Teaching, Learning, Ed Science

SPED 5000 Master's Thesis

Description: Previously offered as ABSE 5000. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.
Credit hours: 1-6
Contact hours: Contact: 1-6 Other: 1-6
Levels: Graduate
Schedule types: Independent Study
Department/School: Teaching, Learning, Ed Science

SPED 5123 Characteristics and Teaching Methods for Students with Autism Spectrum Disorders

Prerequisites: Graduate standing or permission of instructor.
Description: Designed to provide a foundation for understanding educational and psychological theory and best practices used in teaching students with Autism Spectrum Disorders (ASD). Characteristics and diagnostic procedures of ASD will be introduced, as well as such teaching methods as incidental teaching, visual supports, workstations, discrete trial teaching, and social stories.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Teaching, Learning, Ed Science

SPED 5150 Seminar in Special Education

Description: Seminar topics will differ depending on interests and topics regarding Special Education. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.
Credit hours: 1-6
Contact hours: Lecture: 1-6 Contact: 1-6
Levels: Graduate
Schedule types: Lecture
Department/School: Teaching, Learning, Ed Science

SPED 5320 Seminar in Applied Behavioral Studies

Description: In-depth exploration of contemporary problems of applied behavioral studies. Offered for variable credit, 1-24 credit hours, maximum of 24 credit hours.
Credit hours: 1-24
Contact hours: Lecture: 1-24 Contact: 1-24
Levels: Graduate
Schedule types: Lecture
Department/School: Teaching, Learning, Ed Science

SPED 5573 Communication Strategies for Individuals with Severe and Profound Disabilities

Description: Methods for communicating with severely or profoundly disabled persons and for facilitating their communication through speech, sign, assistive devices and technology.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Teaching, Learning, Ed Science

SPED 5620 Practicum with Exceptional Learners

Prerequisites: Consent of instructor.
Description: Supervised individual and group experience with exceptional learners. The particular experience (learning disability, mental retardation, gifted, etc.) determined by the student's field of specialization. Offered for variable credit, 1-8 credit hours, maximum of 8 credit hours.
Credit hours: 1-8
Contact hours: Contact: 1-8 Other: 1-8
Levels: Graduate
Schedule types: Independent Study
Department/School: Teaching, Learning, Ed Science

SPED 5623 Characteristics of Students with Mild/Moderate Disabilities

Description: Educational, psychological and physiological characteristics of individuals with mild and moderate disabilities. Professional roles of the teacher, professional ethics, and assessment of children with disabilities.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Teaching, Learning, Ed Science

SPED 5633 Behavior Characteristics of Exceptional Individuals

Description: Individual differences and problems that exceptional individuals experience. Educational programs and resources available to assist administrators, teachers and parents in dealing with unique individual needs. Previously offered as ABSE 5633.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Teaching, Learning, Ed Science

SPED 5643 Counseling Parents of Exceptional Children

Description: Aiding the classroom teacher and other professional personnel in the understanding of unique activities and interpersonal relations involved in counseling with parents of exceptional children. Previously offered as ABSE 5643.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SPED 5653 Play Therapy in Special Education

Description: Theories and practices of the principles of play therapy. The application of play therapy for special education children. Supervised clinical experience with children with emotional, social and psychological problems. Previously offered as ABSE 5653.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SPED 5673 Improving Literacy Skills of Individuals with Disabilities

Description: Normal language development and variations from norms demonstrated by exceptional learner. Assessment techniques and intervention strategies appropriate for exceptional infants and children; theoretical approaches to language training, formal and informal; assessment techniques and techniques for exceptional individuals. Previously offered as ABSE 5673.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SPED 5683 Models of Instruction in the Inclusive Classroom

Description: Current techniques, models and approaches used to teach students with mild-moderate disabilities and the theoretical bases for these techniques and approaches in inclusive classrooms will be presented. Previously offered as ABSE 5683.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SPED 5723 Transition Into Adulthood for Individuals with Disabilities

Description: Strategies for preparing youth and young adults with disabilities for transitioning into adulthood. May not be used for degree credit with SPED 4723.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SPED 5733 Teaching Strategies for Students with Physical and Health Disabilities

Prerequisites: SPED 5523 and graduate student standing.

Description: Design and implementation of educational programs, collaboration with families and other professionals, and advocacy for students with disabilities. Previously offered as ABSE 5733.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SPED 5743 Planning, Compliance and Current Practices

Description: Current practices for planning and implementing instruction within a continuum of service delivery models. Examination of current and past policies and procedures that govern identification, referral, eligibility, and individualized Education Programs of PK-12 students with disabilities.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SPED 5783 Assessing Students with Disabilities

Description: The practice and practicality of the assessment process used in schools for students with disabilities.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SPED 5883 Classroom and Behavior Management

Description: Classroom and behavior management strategies designed to improve learning and behavior within instructional settings. Previously offered as ABSE 5883.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SPED 5993 Culturally Responsive Teaching in Special Education

Description: Examination of the influence of ethnic, socioeconomic class, and gender factors on students with disabilities. Teaching attitudes and expectations, and curricular and instructional strategies for improving students' school performance.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SPED 6000 Doctoral Thesis

Description: Required of all candidates for doctorate in applied behavioral studies. Credit given upon completion and acceptance of thesis. Previously offered as ABSE 6000. Offered for variable credit, 1-25 credit hours, maximum of 25 credit hours.

Credit hours: 1-25

Contact hours: Contact: 1-25 Other: 1-25

Levels: Graduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

SPED 6183 Legal Aspects in Special Education

Description: Familiarization and analysis of legal rights and responsibilities of students, educators, and administrators in special education; federal and state mandates, case law and recent legal developments affecting special education. Previously offered as ABSE 6183.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SPED 6543 School and Interagency Collaboration

Prerequisites: Graduate student status or instructor permission.

Description: An advanced course to examine models for interdisciplinary teamwork in the design, delivery and evaluation of services for students with disabilities and at risk. Both school-based and interagency collaborative services and strategies for communicating with multiple stakeholders are emphasized.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SPED 6603 Current Trends and Issues in Special Education

Description: Current research and literature regarding the education of exceptional children. Previously offered as ABSE 6603.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SPED 6743 Single Subject Design in Special Education

Prerequisites: Consent of instructor.

Description: Conduct research utilizing single subject and single case study design with emphasis on special education. Advanced procedures in single subject research methodology, including design strategies and experimental control are emphasized.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Teaching, Learning, Ed Science

SPED 6850 Directed Reading

Prerequisites: Consent of instructor.

Description: Directed reading for students with advanced graduate standing. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

SPED 6880 Internship in Education

Description: Directed off-campus experiences designed to relate ideas and concepts to problems encountered in the management of the school program. Offered for variable credit, 1-8 credit hours, maximum of 8 credit hours.

Credit hours: 1-8

Contact hours: Contact: 1-8 Other: 1-8

Levels: Graduate

Schedule types: Independent Study

Department/School: Teaching, Learning, Ed Science

WAED 5000 Thesis or Report

Description: Students studying for a master's degree may enroll for a total of two credit hours if they write a report or six hours if they write a thesis. Students working on a specialist's degree may earn a maximum of 10 hours credit. Previously offered as OCED 5000. Offered for variable credit, 2-10 credit hours, maximum of 10 credit hours.

Credit hours: 2-10

Contact hours: Contact: 2-10 Other: 2-10

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

WAED 5010 Seminar

Description: Graduate student seminars focusing on current and critical issues and common problems relevant to workforce and adult education. Previously offered as OCED 5010. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

WAED 5013 Foundations and Characteristics of Adult Learning

Description: Societal trends and issues which have influenced the development and current status of workforce and adult education. Learning patterns, interests and participation among adults in a variety of educational settings. Previously offered as HRAE 5213 and EDLE 5313.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5110 Career and Technical Information

Description: New development in scientific and technical information and knowledge that are relevant to current career, technical and trade practices. May not be used for degree credit with CTED 4110. Offered for variable credit, 1-6 credit hours, maximum of 12 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

WAED 5113 Principles of Leadership in Workforce Education

Description: Principles and analysis of leadership in today's workforce education organizations and the effect of leadership practices on organizational climate and governance. Understanding today's labor market and the connection among education, government, and workforce development policy. Previously offered as OCED 5113.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5123 Administration & Evaluation of Workforce and Adult Education

Description: Principles of effective planning, administration and evaluation of workforce and adult education settings. Techniques and strategies for designing, conducting, reporting, and applications of evaluations. Course previously offered as TIED 5223 and OCED 5123.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5133 Internationalism, Globalization and Workforce Education

Description: Preparing a globally competitive workforce. Analysis of comparative international occupational/technical education systems, and critical issues in internationalism and globalization in workforce education development. Course previously offered as OAED 5133 and OCED 5133.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5143 Organization and Administration of Adult Education

Description: Organizational procedures and administrative practices for effective planning, implementation and management of adult and continuing education programs. Analyses of legislation, finances and community groups that influence and impact upon adult and continuing education programs. Previously offered as HRAE 5223.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5153 Curriculum Planning in Workforce and Adult Education

Description: Principles and procedures for curriculum planning, development and management in workforce and adult education with analyses of current trends and practices and their implications for program quality. Course previously offered as OAED 5153 and OCED 5153.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5163 Instructional Procedures in Career and Technical Education

Description: Methods and techniques for effective teaching and learning in career and technical classroom, laboratories, and technology-based environments. May not be used for degree credit with CTED 4103.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5170 CTED Workshop

Description: Professional workshops of various topics and lengths. Focus on a particular topic from such areas as the development, use, and evaluation of instructional methods and materials. May not be used for degree credit with WAED 4010. Offered for variable credit, 1-6 credit hours, maximum of 12 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

WAED 5183 Coordinating Career and Technical Student Organizations and Activities

Description: Student organizations and activities in career and technical education at local, state and national levels. Procedures for planning programs of work, incorporation of student organization activities into curriculum, adviser characteristics and responsibilities, fund-raising activities, and techniques for recognizing outstanding members and community supporters. May not be used for degree credit with CTED 4123.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5193 Safety, Organization and Management of Learning Facilities

Description: Techniques and procedures for organizing and managing career and technical laboratory facilities and learner activities to enhance the quality of instruction and improve efficiency of equipment and space utilization, including all safety rules and procedures. May not be used for degree credit with CTED 4213.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5203 Foundations of Adult and Continuing Education

Description: Societal trends, issues and institutions which have influenced the development and current status of adult and continuing education. Analyses and critiques of contemporary adult and continuing education activities, materials and clientele groups served, and their implications for new existing programs in the field. Previously offered as HRAE 5203 and EDLE 5203.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5213 Occupational Analysis and Curriculum Development

Description: Analysis of occupational job activities; development of course objectives, course outlines, and specific instructional materials for occupational and technical courses. May not be used for degree credit with CTED 4343.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5223 Program Planning for Workforce and Adult Educators

Description: Approaches to program planning designed around continuous improvement methods for problem solving, flow charting, budgeting, gaining program support, and research proven models applicable to workforce and adult education. Previously offered as OCED 5223.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5232 Teaching Related Information

Description: Selection of job-related topics common to most workforce and adult education programs; procedures for incorporating those topics into the regular curriculum. Course previously offered as TIED 5232 and OCED 5232.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5233 Advanced Instructional Procedures in Workforce and Adult Education

Description: Advanced methods and procedures for effective teaching and learning in workforce and adult education classrooms and laboratories. Teaching basic education and employment skills and the selection of job-related topics common to most occupations with procedures for incorporating those topics into the regular curriculum. Course previously offered as TIED 5233 and OCED 5233.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5313 Overview of Workforce and Adult Education

Description: Organization of workforce and adult education including its history, principles and evolving social, political and economic forces influencing the field. Course previously offered as OAED 5313 and OCED 5313.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5333 Administration and Supervision of Workforce Education Programs

Description: Understanding and critically analyzing the quality of workforce education courses and the value they hold. Course previously offered as OAED 5333 and OCED 5333.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5340 Special Problems in Workforce and Adult Education

Description: Directed independent study of special topics involving assigned readings, library research, field work or a combination of these. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours. Previously offered as OCED 5340.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

WAED 5353 Instructional Strategies for Adults

Description: An analysis and application of the various techniques and materials available to facilitate the learning process in workforce and adult education settings. Process of designing effective learning experiences, planning curriculum and developing competencies of the facilitators. Previously offered as HRAE 5253 and EDLE 5353.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5423 Individualized Competency Based Instruction and Customized Training

Description: Principles, techniques, and technologies for creating and delivering individualized competency-based instruction and customized workplace training. Includes LAP systems and customizing for industry. Course previously offered as TIED 5443 and OCED 5423.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5443 Interpreting Research in Workforce and Adult Education

Description: Seminar on the methods of research, review, synthesis and interpretation with application to particular fields of workforce and adult education. Course previously offered as OAED 5443 and OCED 5443.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5683 Legal Issues in Career and Technical Education

Description: Overview of the law and the legal system, including how to perform legal research using library and internet resources, issues involving student organizations, intellectual property, and distance education. May not be used for degree credit with CTED 4683.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5703 Adult Learning in Diverse Settings

Description: The study of adult learning in diverse geographic and cultural settings. Interaction with experts in the field and reflection upon their experiences after returning from travel. Previously offered as HRAE 5703.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5720 Workshop

Description: Professional workshops of various topics and lengths. Each workshop designed to meet unique or special needs of individuals concerned with adult education and workplace learning. Previously offered as OCED 5720. Offered for variable credit, 1-3 credit hours, maximum of 10 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

WAED 5730 Special Topics in Adult Education

Description: The practice, theory and research related to a current topic in adult education. Previously offered as HRAE 5730. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

WAED 5733 Current Issues in Career and Technical Education

Description: Defining current issues, conducting action research and proposing possible solutions to current issues in CTED. Debating opposing views and giving logic and reasoning for each view. May not be used for degree credit with CTED 4673.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5833 Global Consulting

Description: The consulting process, including contract, entry, diagnosis, response, disengagement, closure and ethical considerations. The competencies of successful consultants and trainers in the international environment, including cultural adaptations of self and of training materials. Previously offered as HRAE 5833.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 5880 Internship in Workforce and Adult Education

Description: Supervised experience working in business, industry, human service, or education settings. Previously offered as OCED 5880. Offered for variable credit, 3-6 credit hours, maximum of 6 credit hours.

Credit hours: 3-6

Contact hours: Contact: 3-6 Other: 3-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

WAED 5910 Developing and Analyzing Teaching Content

Description: Provides opportunity for experienced teachers to incorporate the latest workforce and adult education methodology, strategy, and/or technology into their course of study. Previously offered as OCED 5910. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

WAED 6000 Doctoral Dissertation

Description: Required of all candidates for the Doctor of Philosophy degree. Credit is given upon completion of the dissertation. Previously offered as OCED 6000. Offered for variable credit, 1-25 credit hours, maximum of 25 credit hours.

Credit hours: 1-25

Contact hours: Contact: 1-25 Other: 1-25

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

WAED 6103 Philosophy of Workforce and Adult Education

Description: Alternative perspectives for developing a philosophic position in workforce and adult education. Course previously offered as OAED 6103 and OCED 6103.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 6110 Graduate Reading in Workforce and Adult Education

Description: Supervised readings of significant literature not included in regularly scheduled courses. Previously offered as OCED 6110. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

WAED 6113 Supervision of Workforce Education Instruction

Description: Theoretical and practical application of current instructional supervision in workforce education setting. Strategies for effective supervision are learned through practice in analyzing teacher instruction for provisional and standard certifications and for industry certified instructors. Course previously offered as OAED 6113 and OCED 6113.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 6123 Foundations of Lifelong Learning

Description: The definitions, historical and philosophical development, and the scope and function of lifelong learning. Previously offered as HRAE 6103.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 6213 Lifelong Learning and Performance

Description: Lifelong learning theory within the context of applications in formal and informal settings in the community as well as in the workplace. Synthesis of research findings on changes of cognitive performance due to aging and analysis of recent literature on participation in adult education and training. Previously offered as OAED 6213 and HRAE 6213.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 6223 Current Research in Adult Education

Description: Analysis of the major research trends in the field of adult education. Recent research studies in the field. Previously offered as HRAE 6223.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 6233 Managing Knowledge in Learning Organizations

Description: Analyze the knowledge management concepts of informal learning, communities of practice, knowledge/learning transfer, organizational learning, and knowledge creation in learning organizations and workplaces. Conduct self-directed research projects on course-related topics and develop a conceptual map of learning concepts. Previously offered as OCED 6233.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 6253 Critical Issues in Adult Education

Description: Exploration of current issues of concern to adult educators from diverse settings. Previously offered as HRAE 6233.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 6330 Special Topics in Adult Education

Description: Analysis and critique of the application of adult learning principles and methods in one of the numerous diverse settings in which adult education is practiced. Previously offered as HRAE 6330. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

WAED 6333 Strategic Planning in Workplace Learning and Organizational Performance

Description: Theory, trends, and competency model development performance areas. Course previously offered as OAED 6333 and OCED 6333.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 6343 Financing Workforce and Adult Education

Description: Development of conceptual and legal bases for funding public workforce and adult education programs. Sources of funds, distribution strategies, local, state and federal accountability requirements, and fraud and abuse funds. Previously offered as OCED 6343.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 6353 Future of Technology, Work and Society

Description: Complex interrelationships among emerging and future technologies, human society, and the definition and evolution of work in a global society. Traditional and emerging theoretical frames for technology and the future. Previously offered as OCED 6353.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

WAED 6880 Doctoral Internship in Workforce and Adult Education

Description: Directed field experiences related to the participant's area of concentration. Practice and testing ideas, theories and concepts learned in graduate study. Previously offered as OCED 6880. Offered for variable credit, 1-8 credit hours, maximum of 8 credit hours.

Credit hours: 1-8

Contact hours: Contact: 1-8 Other: 1-8

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

Undergraduate Programs

- Elementary Education, BS (p. 2151)
- Secondary Education: English, BS (p. 2155)
- Secondary Education: Foreign Language, BS (p. 2158)
- Secondary Education: Mathematics, BS (p. 2162)
- Secondary Education: Science, BS (p. 2165)
- Secondary Education: Social Studies, BS (p. 2167)

Graduate Programs

The School offers graduate degree programs at the master's and doctoral levels. While specialization is required, maximum program flexibility enables students to meet individual goals. Programs are designed to prepare persons to enter public or private elementary and secondary schools as teachers or school psychologists, curriculum directors, department heads, reading/literacy specialists and instructional leaders or enter other educational institutions and community agencies as educational leaders. Doctoral programs provide preparation for university teaching and research, as well as for P-12 roles, such as curriculum administrators.

Programs in the School offer the Master of Science (MS) in Teaching, Learning, and Leadership, Master of Arts in Teaching (MATT), Master of Science in School Psychology, a Graduate Certificate in College Teaching, an education Specialist in School Psychology, a Doctor of Philosophy in School Psychology, and a Doctor of Philosophy (PhD) in Education.

Master of Science in Teaching, Learning and Leadership (TLL)

Erin Dyke, PhD—Associate Professor and TLL Degree Coordinator

A student may earn the degree of Master of Science (MS) in Teaching, Learning, and Leadership. Students specialize in several areas highlighted below as TLL options. All options include at least one research course. Students planning an emphasis in K-12, secondary education, or math/science education may incorporate graduate coursework from an academic discipline. The master's degree program is also frequently designed to qualify graduates for certification in a specific area.

The *Curriculum and Leadership Studies* option provides a sound foundation in curriculum knowledge including the social, philosophical, ethical, political, historical and psychological aspects of curriculum, curriculum planning, pedagogy and curriculum leadership. The degree program will deepen one's knowledge of curriculum and will prepare graduates for positions as curriculum leaders, curriculum planners, curriculum administrators, curriculum consultants, teacher leaders and teacher researchers. Program content will benefit those teachers pursuing National Board Certification. Many classes are offered on both Stillwater and Tulsa campuses.

The *K12 Masters* (K12) provides choices for students to include coursework to enhance their understanding of teaching and learning at their chosen level, and in the case of secondary or K-12 to include content area coursework.

The *Math/Science Education* option provides extended coursework in both content area and pedagogy as students take courses in math or science education and additional math or science courses through the College of Arts and Sciences. The option also includes coursework integrating math and science pedagogy so that graduates will be skilled

in content integration between the two areas. The option is designed to prepare teacher leaders in math education and/or science education. This option asks applicants to either hold an undergraduate major or minor in mathematics or science or post a satisfactory score on the quantitative portion of the Graduate Record Exam.

The *Reading and Literacy* option provides students with experiences to develop knowledge of comprehensive, P-12 literacy curriculum and instruction including regular and intensive reading instruction, literacy assessment and evaluation, language arts/writing instruction, and the roles of children's literature. The program also supports candidates' development in the areas of education theory and research, curriculum design, creating literate environments, appreciating and including diverse learners, and providing quality professional development as program administrators or literacy coaches. Students who complete the Reading Specialist requirements can be recommended to the Oklahoma State Department of Education for P-12 Reading Specialist certification.

The *Special Education* option is designed to prepare educators to work effectively with children and youth with mild to moderate disabilities. The option encompasses two primary pathways: Advanced Educator and Initial Certification. Classes are scheduled during evenings and weekends, and can be taken on a part-time or full-time basis. Classes utilize a variety of instructional formats including face-to-face classroom interaction, compressed video and hybrid design, where instruction includes both classroom interaction and online learning. To be eligible for state certification, students must pass Teacher Certification Examinations.

Master of Science in School Psychology

A degree in educational psychology with an option in school psychometrics is awarded to students who are en route for either the EdS or PhD degree in school psychology. Students must be admitted to the EdS or PhD program to receive the MS. (Students are not admitted directly to the MS degree.)

College Teaching Graduate Certificate

Hongyu Wang, PhD—Professor, Curriculum Studies

College Teaching Graduate Certificate is housed in Curriculum Studies Program at School of Teaching, Learning and Education Studies. It is a stand-alone certificate program to help current college and university faculty (including both full-time and part-time faculty as well as graduate teaching assistants who have college teaching assignments) develop and improve knowledge, skills, and capacities for successful college teaching, as well as advance their teaching vision, philosophy and adaptability in a rapidly changing society at a range of institutions of higher education. Credit hours successfully completed are transferable to Curriculum Studies options in MS and PhD degree.

Graduate Certificate for Effective Teaching in Elementary Schools

The Graduate Certificate for Effective Teaching in Elementary Schools is housed in the Elementary Education Program at School of Teaching, Learning and Education Studies. It is a stand-alone certificate program to help alternatively-certified teachers develop and improve knowledge, skills, and capacities for successful teaching, classroom management, content pedagogy, and reflection on professional practice. Credit hours successfully completed are transferable to the EMSK12 options in MS in Teaching, Leadership and Learning.

Graduate Certificate for Effective Teaching in Secondary Schools

The Graduate Certificate for Effective Teaching in Secondary Schools is housed in the Secondary Education Program at School of Teaching, Learning and Education Studies. It is a stand-alone certificate program to help alternatively-certified teachers develop and improve knowledge, skills, and capacities for successful teaching, classroom management, content pedagogy, and reflection on professional practice. Credit hours successfully completed are transferable to the EMSK12 options in MS in Teaching, Leadership and Learning.

Graduate Certificate for Elementary Mathematics Specialist

Jennifer Cribbs—Professor, Math Education

Graduate Certificate for STEM Education

Karen Zwanch—Assistant Professor, Math Education

Education Specialist (EdS) in School Psychology

Brian Poncy, PhD—Professor, EdS Program Training Director

The NASP-approved (National Association of School Psychologists) specialist program is available. The EdS is the appropriate level of training for those who are interested in applying psychology to a variety of child-related learning and adjustment problems, and for the improvement of children's mental health in school settings. Specialist-level school psychologists typically work in school systems and function in diverse roles including consultation, psychological and psycho-educational assessment, and intervention to facilitate success for all children. The EdS program at OSU is approximately 77 hours, consistent with the NASP standards for training, and meets the Oklahoma State Department of Education certification requirements. Successful completion of this program leads to eligibility for certification by the Oklahoma State Department of Education as a school psychologist and also the NASP National Certification in School Psychology (NCSP). Applications for the EdS program are due February 1 for consideration for admission the following semester.

PhD in School Psychology

Gary Duhon, PhD—Professor and PhD Program Training Director

The doctoral program in school psychology is accredited by the American Psychological Association and approved by the National Association of School Psychologists. The program follows the scientist/practitioner model that emphasizes the application of the scientific knowledge and methodological rigor in the delivery of school psychological services and in conducting research. Training in the scientist/practitioner model is for the purpose of developing a Science-Based Child/Learner Success orientation in students. Doctoral-level school psychologists function in diverse and important roles including consultation, assessment, intervention therapy, supervision, program evaluation and research to facilitate success for all learners. They add to the understanding of children and their families by contributing to the scientific knowledge base related to all aspects of child development. They are employed in many different settings including elementary and secondary schools, private practice, university, hospitals and mental health centers. School psychologists work with diverse populations and provide psychological services to children, youth, families, caregivers, school personnel, adult learners and individuals with special needs, as well as to the systems in

which these individuals need to be successful. Applications for the PhD program in school psychology are due by January 1 for the following fall enrollment.

Doctor of Philosophy in Education

Students in the Doctor of Philosophy in Education program critically analyze teaching and learning in different contexts both inside and outside of school, explore how these processes are embedded in wider social, political and economic contexts, and envision the possibilities for improving teaching and learning. To this end, the program has an emphasis on the critical production of research with the intent that graduates from this program will contribute to their scholarly fields while addressing the needs of the state of Oklahoma, the country and the larger global community. The integration of seven degree options—Curriculum Studies; Educational Technology; Language, Literacy, and Culture; Mathematics and Science Education; Professional Education Studies; Social Foundations of Education; and Workforce and Adult Education—provides a conceptually coherent doctoral program in which students and faculty explore teaching and learning in new ways within various cultural milieus, such as the family, occupations, public schools and universities. The Ph.D. degree, with options housed in two Schools within the College of Education, Health and Aviation, prepares researchers and leaders to serve in professional positions in universities, P-12 schools, career and technical schools, research agencies, policy agencies and other educational settings (such as museums, educational publishing, and curriculum development).

The *Curriculum Studies* option's mission is to educate scholars with a deep understanding and ability to create and use knowledge of curriculum studies in the field of education and in other scholarly communities interested in the advancement of education at the state, national, and international levels. In articulating the field of curriculum studies, it is important to acknowledge the broadest views of curriculum, including content and organization of school, the social context in which school is situated, and the process of education both in and out of school. Curriculum studies is understood as both a disciplinary and an interdisciplinary field of study with its own distinctive history, conceptions, and modes of inquiry, always open to new scholarship. Curriculum theorizing, curriculum development and assessment, pedagogy, curriculum inquiry, curriculum history, leadership and advocacy, critical media literacy, teacher research, and intercultural and international dialogue are all part of the scholarship of curriculum studies in the program. Particular attention is also devoted to those absent from typical curriculum decision making; curriculum studies is concerned with issues of equity, access, and voice. This option is housed in the School of Teaching, Learning and Education Sciences.

The *Educational Technology* option focus is on the core areas of the field: design, development, utilization, production and evaluation of instructional systems, human computer interaction and technology applications to support learning and teaching. The doctoral program emphasizes research using educational technology in applied settings. The Ph.D. in Education/Educational Technology prepares future researchers for a variety of professional positions. Graduates are typically employed as university faculty, educational or instructional technology specialists in universities, community colleges and schools, or as training managers or instructional designer/developers in corporate settings. This option is housed in the School of Educational Foundations, Leadership and Aviation (SEFLA).

The *Mathematics Education* option prepares students to conduct research on teaching and learning mathematics at the P-12 level. Research may

focus on a variety of aspects of teaching and learning mathematics including the affective domain and employ a wide variety of quantitative, qualitative or mixed methods. Graduates are prepared to teach a broad range of mathematics education courses at both the undergraduate and graduate levels and are qualified for faculty positions in community colleges or secondary teacher education programs as well as other mathematics education leadership positions. This option is housed in the School of Teaching, Learning and Education Sciences.

The *Language, Literacy, and Culture* option focuses on the intersection of theory, research, practice and policy in the examination of language, literacy and culture from early childhood through adulthood recognizing the centrality of literacy in promoting equitable opportunities in our global society. Students explore language and literacy demands across diverse contexts and across social movements to promote equity and honor linguistic and socio-cultural diversity as cultural capital. Specializations in this option include reading, writing and New Literacies; English education; children's and adolescent literature; and world language education. This option is housed in the School of Teaching, Learning and Education Sciences.

The *Professional Education Studies* option is intended to develop scholars of educational theory and research who advance knowledge fundamental to teaching and learning in a diverse and global society and fundamental to social justice and equity in education. Diverse perspectives include but are not limited to in-depth study of theories used to advance social justice and equity in education, teaching and learning; analyses of diverse teaching and learning contexts; application of inquiry-based teaching-learning theory; use of research methodologies (qualitative, quantitative, mixed methods and conceptual/theoretical methodologies) for studies in education; and conceptualization and reconceptualization of the meaning and value of social justice and equity in education, teaching, learning and teaching-learning contexts. This option is housed in the School of Teaching, Learning and Education Sciences. Maximum flexibility is provided for students to develop a specialization that meets their scholarly interests and career goals. Special Education is one specialization/emphasis area available in this option.

The *Science Education* option prepares students to conduct research on teaching and learning science at the P-12 level, and beyond. Research may focus on a variety of aspects of teaching and learning science and employ a wide variety of quantitative, qualitative or mixed methods. Graduates are prepared to teach a broad range of science education courses at both the undergraduate and graduate levels and are qualified for faculty positions in community colleges or secondary teacher education programs as well as other science education leadership positions. This option is housed in the School of Teaching, Learning and Education Sciences.

The *Social Foundations* option is intended to prepare future scholars and educators to employ a number of different disciplinary perspectives to analyze critically and evaluate policies and practices within and outside education to understand better how such policies and practices shape educational institutions. This approach is intended to heighten students' abilities to examine, understand and explain educational arrangements, processes and practices to develop a disciplined sense of policy-oriented educational responsibility. Scholars in social foundations are expected to contribute to advancing the educational enterprise at national and international levels. This option is housed in the School of Educational Foundations, Leadership and Aviation (SEFLA).

The *Workforce and Adult Education* option is intended to strengthen research activities for improving practice in occupational education,

provide graduate programs that reflect transformative roles in occupational education and the workplace, strengthen leadership and outreach services to the discipline, expand activities in international workforce development, and strengthen the cultural diversity in the field of occupational education studies. The focus is to prepare persons for leadership positions in higher education; international occupational education and workforce development organizations; national, state and community agencies; as well as public and private educational institutions. This option is housed in the School of Teaching, Learning and Education Sciences.

General Program Requirements, Application Procedures and Financial Aid Master's Program

TLL master's degree options requires a minimum of 36 hours of coursework. In addition to coursework students take a comprehensive exam and complete either a Creative Component or Thesis. The Creative Component can take a variety of forms, as approved by the Advisory Committee, from an advanced paper to a creative demonstration of expertise gained through the degree. The thesis is original research. The student's Advisory Committee (three members) assists the student through all aspects of the program. Application to the Graduate College precedes program admission decisions. For unqualified admission an applicant must have completed an undergraduate degree in Education or a related field and must submit a curriculum vita and goals statement aligned with the option area chosen. Option areas have minimum grade-point requirements for the undergraduate degree and may have additional materials that make up the admissions packet.

Doctoral Program

The Doctor of Philosophy (PhD) degree requires a minimum of 69 semester hours beyond the master's degree. Application to the Graduate College precedes program admission decisions. For program admission, candidates submit scores from the Graduate Record Exam or the Miller Analogies Test, a Statement of Goals and Objectives, references and examples of written expression. An interview may be required. To enter candidacy, students must pass a qualifying exam. Candidates conduct independent, original research reported through a dissertation. The student's Advisory Committee (four members) assists the student through all aspects of the program.

Financial Aid

Some support is available each year for research assistantships and for qualified graduate students to assume teaching responsibilities in the undergraduate curriculum. Interested persons are encouraged to apply at any time. Applications can be obtained from the School of Teaching, Learning and Education Sciences.

Minors

- Public School Support Specialist for Children At-Risk (PSSC), Minor (p. 2154)
- Special Education (SPED), Minor (p. 2170)

Faculty

Shelbie Witte, PhD, Professor—School Head and Senior Director, Teacher Education

Professor and Dean: Jon Pedersen, PhD

Professors: Jennifer Cribbs, PhD; Gary Duhon, PhD; Christine Ormsbee, PhD; Brian Poncy, PhD; Jennifer Sanders, PhD; Donita Massengill Shaw,

PhD; Terry Stinnett, PhD; Sheri Vasinda, EdD; Hongyu Wang, PhD; Qiuying Wang, PhD; Virginia Worley, PhD

Associate Professors: Erin Dyke, PhD; Stephanie Hathcock, PhD; Toni Ivey, PhD; Shanedra Nowell, PhD; M. Sue Christian Parsons, PhD; Adrienne Redmond-Sanogo, PhD; Candace Schell, PhD; Joe Terantino, PhD

Assistant Professors: Sarah Donovan, PhD; Robin Fuxa, PhD; Kacey Gilbert, PhD; Joseph Matthews, PhD, Cat Maiorica, PhD, Jennifer Schneider, PhD; Jon Smythe, PhD; Karen Zwanch, PhD

Assistant Professors of Professional Practice: Erin Bronstein, PhD

Visiting Assistant Professor: Greg Schutte, PhD; Staci Thomas, PhD

Teaching Assistant Professor: Jamie Buckmaster, PhD; Shelley Martin-Young, PhD; Jessica Watts, PhD

Visiting Teaching Assistant Professor: Lynn Hodge, PhD

Teaching Instructors: Bridget Broome, MS; Amy Dunn, MS; Natalie Edwards; Robin Fisher, MS; Sarah Lobsinger, MS; Jill Metzger, MS; Amy Olson, MS; John Weaver, MS; Jayne Ann Williamson, MS

Elementary Education, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.75

Total Hours: 124

Code	Title	Hours
General Education Requirements		
*Minimum grade of "C" or "P" in each course		
*Minimum GPA 2.75 required in combination with Major Requirements		
*Certification requirements that meet GE requirements		
<i>English Composition courses*</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following courses*:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following courses*:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
Select 3 hours of the following courses*:		3
MATH 1483	Mathematical Functions and Their Uses (A)	
MATH 1493	Applications of Modern Mathematics (A)	
MATH 1513	College Algebra (A)	
MATH 1613	Trigonometry (A)	
MATH 2103	Business Calculus (A)	
MATH 2144	Calculus I (A)	
STAT 2013	Elementary Statistics (A)	
<i>Humanities (H)</i>		
Select one of the following courses*:		3
ENGL 2413	Exploring Literature (DH)	
ENGL 1923	Great Works of Literature (H)	
ENGL 2883	Survey of American Literature II (DH)	
Select one of the following courses*:		3
ART 1503	Art History Survey I (H)	
ART 1513	Art History Survey II (H)	
ART 1603	Introduction to Global Art (H)	
MUSI 2573	Introduction to Music (H)	
<i>Natural Sciences (N)</i>		
Select 7 hours of the following courses*:		7
Must include one Laboratory Science (L) course*		
Select one of the following:		

BIOL 1113	Introductory Biology (N)	
& BIOL 1111	and Introductory Biology Laboratory (LN)	
or BIOL 1114	Introductory Biology (LN)	
CHEM 1014	Chemistry In Civilization (LN)	
PHYS 1014	Descriptive Physics (N)	
Select 3 hours of the following courses*:		
ASTR 1013	The Solar System (N)	
GEOG 1114	Introduction to Physical Geography (LN)	
GEOL 1003	The Story of Dinosaurs (N)	
GEOL 1013	Exploring Earth: An Introduction to Geology (LN)	
GEOL 1014	Geology and Human Affairs (LN)	
GEOL 1022	Climate Change and Humanity (N)	
GEOL 1114	Physical Geology (LN)	
HORT 1013	Principles of Horticultural Science (LN)	
PBIO 1052	How Plants Shaped Our World (LN)	
PBIO 1404	Plant Biology (LN)	
<i>Social & Behavioral Sciences (S) courses*</i>		
GEOG 1113	Introduction to Cultural Geography (IS)	3
or GEOG 1713	Regions & Nations in Global Context (IS)	
or GLST 1713	Regions & Nations in Global Context (IS)	
PSYC 1113	Introductory Psychology (S)	3
or SOC 1113	Introductory Sociology (S)	
<i>Additional General Education *</i>		
HLTH 2603	Total Wellness (S) *	3
Select one of the following courses*:		3
ENGL 2243	Language, Text and Culture (HI)	
ENGL 2513	Introduction to Creative Writing (H)	
SPCH 2713	Introduction to Speech Communication (S)	
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
Select at least one Diversity (D) course		
Select at least one International Dimension (I) course		
College/Departmental Requirements		
EDHS 1112	First Year Seminar	2
Select 10 hours of electives (3 hours may need to be foreign language)		10
Hours Subtotal		12
Major Requirements		
Minimum GPA 2.75 with a minimum grade of "C" or "P" in each course		
CIED 3133	Children's Literature Across the Curriculum	3
CIED 3253	Teaching Language Arts in the Elementary and Middle School	3
CIED 3293	Teaching Reading in the Elementary and Middle School	3
CIED 4213	Introduction to Visual Arts in the Curriculum	3
CIED 4233	Literacy Assessment and Instruction	3
MATH 3403	Geometric Structures for Early Childhood and Elementary Teachers	3

MATH 3603	Mathematical Structures for Early Childhood and Elementary Teachers	3
SMED 3153	Teaching Mathematics at the Primary Level	3
SMED 2100	Seminar in Mathematics Education	3
or SMED 3100	Workshop In Mathematics Education	
Sciences		
Select 5 hours of the following courses:		
SMED 2200	Seminar in Science Education	
SMED 3200	Workshop in Science Education	
ENVR 1113	Elements of Environmental Science (N)	
ENTO 3501	Entomology for Educators	
MICR 1513	Inquiry-Based Biology	
<i>Taken as a block semester prior to student teaching:</i>		
CIED 4133	Introduction to K-12 English Language Learners ¹	3
CIED 4323	Social Studies in the Elementary School Curriculum ¹	3
CIED 4373	Classroom Environments and Experience ¹	3
SMED 4153	Teaching Mathematics at the Intermediate Level ¹	3
SMED 4353	Science in the Elementary School Curriculum ¹	3
Hours Subtotal		47

Professional Core Requirements

Minimum GPA 2.75 with a minimum grade of "C" or "P" in each course

CIED 2453	Introduction to Teaching and Learning	3
CIED 3622	Middle Level Education	2
EDTC 3123	Applications of Educational Technologies	3
EPSY 3113	Psychological Foundations of Childhood	3
or SMED 3013	Knowing and Learning in Mathematics and Science	
SPED 3202	Educating Exceptional Learners (D)	2

Student Teaching Block

CIED 4453	Senior Seminar in Elementary Education ¹	3
CIED 4450	Internship in Elementary Education ¹	9

Hours Subtotal **25**

Total Hours **124**

¹

Full admission to Professional Education required.

Other Requirements

- 40 hours of upper-division coursework. Required for graduation and recommendation for Standard Certification:
 - a. 2.75 Overall GPA;
 - b. 2.75 GPA in Major Requirements and specified general education requirements; and
 - c. 2.75 GPA in Professional Core Requirements.
- The student must earn minimum grades of "C" or "P" in each course in the Major Requirements and specified General Education and Professional Core Requirements and must earn grades of "P" in all sections of observation courses and student teaching for recommendation for Certification.

- Students must demonstrate proficiency in a foreign language at the novice-high level from among those languages identified by the Office of Educational Quality and Accountability. For clarification see OSU academic advisor.
- Transfer Admission Requirements: 2.00 GPA for less than 31 hours; 2.25 GPA for 31-45 hours; 2.50 GPA for more than 45 hours.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study**Finish in Four Plan of Study**

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
EDHS 1112	First Year Seminar	2
ENGL 1113	Composition I	3
or ENGL 1313	or Critical Analysis and Writing I	
GEOG 1114	Introduction to Physical Geography (LN)	3
or GEOL 1014	or Geology and Human Affairs (LN)	
or GEOL 1114	or Physical Geology (LN)	
or GEOL 1003	or The Story of Dinosaurs (N)	
or GEOL 1013	or Exploring Earth: An Introduction to Geology (LN)	
or GEOL 1022	or Climate Change and Humanity (N)	
or ASTR 1013	or The Solar System (N)	
or HORT 1013	or Principles of Horticultural Science (LN)	
or PBIO 1052	or How Plants Shaped Our World (LN)	
or PBIO 1404	or Plant Biology (LN)	
HIST 1103	Survey of American History	3
or HIST 1483	or American History to 1865 (H)	
or HIST 1493	or American History Since 1865 (DH)	
MATH 1483	Mathematical Functions and Their Uses (A)	3
or MATH 1493	or Applications of Modern Mathematics (A)	
or MATH 1513	or College Algebra (A)	
or MATH 1613	or Trigonometry (A)	
or MATH 2103	or Business Calculus (A)	
or MATH 2144	or Calculus I (A)	
or STAT 2013	or Elementary Statistics (A)	
Hours		14
Spring		
ENGL 1213	Composition II	3
or ENGL 1413	or Critical Analysis and Writing II	
or ENGL 3323	or Technical Writing	
SMED 2100	Seminar in Mathematics Education ¹	3
or SMED 3100	or Workshop In Mathematics Education	

SMED 2200 or SMED 3200 or ENVR 1113 or ENTO 3501 or MICR 1513	Seminar in Science Education or Workshop in Science Education or Elements of Environmental Science (N) or Entomology for Educators or Inquiry-Based Biology	2
POLS 1113	American Government	3
PSYC 1113 or SOC 1113	Introductory Psychology (S) or Introductory Sociology (S)	3
3 hours of Elective		3
Hours		17

Sophomore

Fall		
Select one of the following: 4		
BIOL 1114	Introductory Biology (LN)	
BIOL 1113 & BIOL 1111	Introductory Biology (N) and Introductory Biology Laboratory (LN)	
CHEM 1014	Chemistry In Civilization (LN)	
PHYS 1014	Descriptive Physics (N)	
CIED 2453	Introduction to Teaching and Learning	3
3 Hours of Foreign Language or Elective ²		3
ENGL 2413 or ENGL 1923 or ENGL 2883	Exploring Literature (DH) or Great Works of Literature (H) or Survey of American Literature II (DH)	3
GEOG 1113 or GEOG 1713 or GLST 1713	Introduction to Cultural Geography (IS) or Regions & Nations in Global Context (IS) or Regions & Nations in Global Context (IS)	3
Hours		16

Spring

ART 1503 or ART 1513 or MUSI 2573	Art History Survey I (H) or Art History Survey II (H) or Introduction to Music (H)	3
CIED 3133	Children's Literature Across the Curriculum	3
ENGL 2243 or ENGL 2513 or SPCH 2713	Language, Text and Culture (HI) or Introduction to Creative Writing (H) or Introduction to Speech Communication (S)	3
HLTH 2603	Total Wellness (S)	3
MATH 3603	Mathematical Structures for Early Childhood and Elementary Teachers	3
Hours		15

Junior

Fall		
CIED 3253	Teaching Language Arts in the Elementary and Middle School	3
CIED 3293	Teaching Reading in the Elementary and Middle School	3
CIED 4213	Introduction to Visual Arts in the Curriculum	3
EPSY 3113 or SMED 3013	Psychological Foundations of Childhood or Knowing and Learning in Mathematics and Science	3
MATH 3403	Geometric Structures for Early Childhood and Elementary Teachers	3
SMED 2200 or SMED 3200 or ENVR 1113 or ENTO 3501 or MICR 1513	Seminar in Science Education or Workshop in Science Education or Elements of Environmental Science (N) or Entomology for Educators or Inquiry-Based Biology	3
Hours		18

Spring

CIED 3622	Middle Level Education	2
CIED 4233	Literacy Assessment and Instruction	3
EDTC 3123	Applications of Educational Technologies	3
4 Hours of Elective		4
SMED 3153	Teaching Mathematics at the Primary Level	3
SPED 3202	Educating Exceptional Learners (D)	2
Hours		17

Senior

Fall		
CIED 3430		1
CIED 4133	Introduction to K-12 English Language Learners	3
CIED 4323	Social Studies in the Elementary School Curriculum	3
CIED 4362		2
SMED 4153	Teaching Mathematics at the Intermediate Level	3
SMED 4353	Science in the Elementary School Curriculum	3
Hours		15
Spring		
CIED 4450	Internship in Elementary Education	9
CIED 4453	Senior Seminar in Elementary Education	3
Hours		12
Total Hours		124

1

For the 2022-2023 Degree Sheet the following courses will also be able to be substituted: MATH 1483, MATH 1493, MATH 1513, MATH 1613, MATH 2103, MATH 2144, or STAT 2013.

2

Foreign Language requirement may be converted to an elective if competency in a Foreign Language can be demonstrated by 2 years of the same foreign language with a grade of "B" or better on the high school transcript.

Public School Support Specialist for Children At-Risk (PSSC), Minor

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Terry Stinnett, Ph.D., School of Teaching, Learning and Educational Sciences, 245 Willard, 405-744-9456

Minimum Overall Grade Point Average: A grade of "C" or better must be obtained for all minor courses.

Total Hours: 15

Code	Title	Hours
SPED 3683	Models of Instruction in the Inclusive Classroom	3
SPSY 3423	Psychology of Learning Disorders: Characteristics, Identification, and Procedures in Public Schools	3
SPSY 3433	Disruptive Behavior in Public Schools: ADHD and ODD	3
SPSY 3513 or SPED 4753	Behavior Management for Teachers of Diverse Learners Techniques of Behavior Management and Counseling with Exceptional Individuals	3
SPSY 3523	Public School Support Specialist for Children At-Risk	3
Total Hours		15

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.
- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (<https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf>).

Secondary Education: English, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 122

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113	Composition I ¹	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II ¹	
ENGL 1413	Critical Analysis and Writing II ¹	
ENGL 3323	Technical Writing ¹	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH or STAT course designated (A)		3
<i>Humanities (H)</i>		
Minimum grade of "C" or "P" in each course		
ENGL 2453	Introduction to Film and Television (H) ¹	3
ENGL 2963	Survey of Postcolonial and Indigenous Literatures (HI) ¹	3
<i>Natural Sciences (N)</i>		
Courses designated (N) with one (L)		8
<i>Social & Behavioral Sciences (S)</i>		
Courses designated (S)		3
Suggested (in consultation with advisor for this area):		
SOC 4383	Social Stratification (S)	
or SOC 3133	Racial and Ethnic Relations (DS)	
<i>Additional General Education</i>		
Minimum grade of "C" or "P" in each course		
SPCH 2713	Introduction to Speech Communication (S) ¹	3
Courses designated (A), (H), (N), or (S)		5
Recommended:		
PHIL 1313	Logic and Critical Thinking (A)	
or PHIL 3003	Symbolic Logic (A)	
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
Select at least one Diversity (D) course		
Select at least one International Dimension (I) course		

College/Departmental Requirements		
Minimum grade of "C" or "P" in each course		
EDHS 1112	First Year Seminar	2
Select 4 hours of electives		4
3 hours may need to be foreign language		
Hours Subtotal		6
Major Requirements		
Minimum GPA 2.75 with a minimum grade of "C" or "P" in each course		
CIED 4133	Introduction to K-12 English Language Learners	3
ENGL 2543	Survey of British Literature I (H)	3
ENGL 2653	Survey of British Literature II (H)	3
ENGL 2773	Survey of American Literature I (H)	3
ENGL 2883	Survey of American Literature II (DH)	3
ENGL 3183	Native American Literature (DH)	3
ENGL 3193	African-American Literature (DH)	3
ENGL 3203	Advanced Composition	3
ENGL 3243	Literary Theory and Criticism	3
ENGL 4013	English Grammar	3
ENGL 4723	Studies in Shakespeare (H)	3
ENGL 4320	Contemporary Literature	3
Select an ENGL 4000-level course in Literature before 1800		3
Recommended Courses:		
ENGL 4100	Studies in Medieval British Literature	
ENGL 4110	Studies in 16th Century British Literature	
ENGL 4120	Studies in 17th Century British Literature	
ENGL 4130	Studies in 18th Century British Literature	
ENGL 4600	Studies in Chaucer or Milton	
ENGL 4700	Single Author or Work Pre-1800	
Hours Subtotal		39
Professional Core Requirements		
Minimum GPA 2.50 with a minimum grade of "C" or "P" in each course		
CIED 3313	Field Experience in the Secondary Schools	3
CIED 4194	Teaching Writing in the Secondary School	4
CIED 4313	Young Adult Literature	3
CIED 4473	Reading for the Secondary Teacher	3
CIED 4713	Teaching and Learning in the Secondary School (Fall Semester prior to Student Teaching) ²	3
EDTC 3123	Applications of Educational Technologies	3
EPSY 3213	Psychology of Adolescence	3
SCFD 3223	Role of Teacher in American Schools (D)	3
SPED 3202	Educating Exceptional Learners (D)	2
CIED 4724	Classroom Management in the Multicultural PK-12/ Secondary School (semester prior to Student Teaching) ²	4
CIED 4720	Internship in the Secondary Classroom (Student Teaching) ²	6
Hours Subtotal		37
Total Hours		122

1

Minimum GPA 2.75 required in combination with Major Requirements. Certification requirements that meet General Education requirements.

2

Full admission to Professional Education required.

Other Requirements

- 40 hours of upper-division coursework.
- Required for graduation and recommendation for Standard Certification:
 - a. 2.50 Overall GPA;
 - b. 2.75 GPA in Major Requirements and specified general education courses; and
 - c. 2.50 GPA in Professional Core Requirements.
- The student must earn minimum grades of “C” or “P” in each course in the Major Requirements and Professional Core Requirements and must earn grades of “P” in all sections of observation courses and student teaching for recommendation for Certification.
- Students must demonstrate proficiency in a foreign language at the novice-high level from among those languages identified by the Office of Educational Quality and Accountability.
- 10 hours in one foreign language is recommended for teaching emphasis area and for double major.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
MATH or STAT course designated (A)		3

Course designated (N, L)		4
EDHS 1112	First Year Seminar	2
Hours		15
Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
ENGL 2773	Survey of American Literature I (H)	3
POLS 1113	American Government	3
Course designated (A), (H), (N) or (S)		2
ENGL 2453	Introduction to Film and Television (H)	3
1 hour of Elective		1
Hours		15
Sophomore		
Fall		
Elective or Foreign Language ¹		3
ENGL 2543	Survey of British Literature I (H)	3
ENGL 2883	Survey of American Literature II (DH)	3
Course designated (N)		4
SPED 3202	Educating Exceptional Learners (D)	2
SPCH 2713	Introduction to Speech Communication (S)	3
Hours		18
Spring		
ENGL 2653	Survey of British Literature II (H)	3
ENGL 2963	Survey of Postcolonial and Indigenous Literatures (HI)	3
CIED 4313	Young Adult Literature	3
ENGL 3203	Advanced Composition	3
SCFD 3223	Role of Teacher in American Schools (D)	3
Course designated (S)		3
Hours		18
Junior		
Fall		
CIED 3313	Field Experience in the Secondary Schools	3
ENGL 3933 or ENGL 4723	Shakespeare (H) or Studies in Shakespeare (H)	3
CIED 4473	Reading for the Secondary Teacher	3
ENGL 3183	Native American Literature (DH)	3
ENGL 3243	Literary Theory and Criticism	3
ENGL 4013	English Grammar	3
Hours		18
Spring		
CIED 4194	Teaching Writing in the Secondary School	4
ENGL 4000-level course in Literature before 1800 ²		3
ENGL 4320	Contemporary Literature	3
ENGL 3193	African-American Literature (DH)	3
EPSY 3213	Psychology of Adolescence	3
Hours		16
Senior		
Fall		
Course designated (A), (H), (N), or (S)		3
CIED 4713	Teaching and Learning in the Secondary School	3
EDTC 3123	Applications of Educational Technologies	3
CIED 4724	Classroom Management in the Multicultural PK-12/ Secondary School	4
CIED 4133	Introduction to K-12 English Language Learners	3
Hours		16
Spring		
CIED 4720	Internship in the Secondary Classroom	6
Hours		6
Total Hours		122

1

Foreign Language requirement may be converted to an elective if competency in a Foreign Language can be demonstrated by 2 years of the same foreign language with a grade of "B" or better on the high school transcript.

2

Recommended: ENGL 4100 or ENGL 4110 or ENGL 4120 or ENGL 4130 or ENGL 4600 or ENGL 4700.

Secondary Education: Foreign Language, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 124

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113 or ENGL 1313	Composition I Critical Analysis and Writing I	3
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH or STAT course designated (A)		3
<i>Humanities (H)</i>		
Course designated (H)		6
<i>Natural Sciences (N)</i>		
Courses designated (N) with one (L)		8
<i>Social & Behavioral Sciences (S)</i>		
PSYC 1113	Introductory Psychology (S)	3
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		8
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
Select at least one Diversity (D) course		
Select at least one International Dimension (I) course		
College/Departmental Requirements		
Minimum grade of "C" or "P" in each course		
EDHS 1112	First Year Seminar	2
CIED 4133	Introduction to K-12 English Language Learners	3
Select 7 hours		7
Recommended:		
EPSY 4223	Psychological Foundations of Learning and Instruction	
HIST 3273	Modern Europe Since 1914 (HI)	
HIST 3463	Modern Latin America (HI)	

PHIL 1313	Logic and Critical Thinking (A)	
POLS 3143	European Politics (I)	
POLS 3193	Latin American Politics (IS)	
SPCH 4753	Intercultural Communication (I)	
Hours Subtotal		12
Major Requirements		
Minimum GPA 2.50 with a minimum grade of "C" or "P" in each course		
Select a Major Language Core and Upper-division Electives (p. 2158)		21
<i>Language Emphasis Electives</i>		
19 hours of Lower and Upper Division courses from one emphasis language: French (FREN), German (GRMN), or Spanish (SPAN). (5 hours of the 19 hours may be from any language.)		19
Hours Subtotal		40
Professional Core Requirements		
Minimum GPA 2.50 with a minimum grade of "C" or "P" in each course		
CIED 3313	Field Experience in the Secondary Schools	3
CIED 4813	Second Language Acquisition Research and Pedagogy	3
CIED 4823	Foreign Language Instruction, Curriculum, and Assessment: Grades PK-12 (Fall Semester prior to Student Teaching)	3
EDTC 3123	Applications of Educational Technologies	3
EPSY 3413	Child and Adolescent Development	3
SCFD 3223	Role of Teacher in American Schools (D)	3
SPED 3202	Educating Exceptional Learners (D)	2
CIED 4724	Classroom Management in the Multicultural PK-12/ Secondary School (semester prior to Student Teaching) ¹	4
CIED 4450	Internship in Elementary Education (Student Teaching) ¹	4
CIED 4720	Internship in the Secondary Classroom (Student Teaching) ¹	4
Hours Subtotal		32
Total Hours		124

1

Full admission to Professional Education required.

Major Language Core and Upper-division Electives

French

Code	Title	Hours
<i>Major Language Core</i>		
FREN 3073	French Conversation	3
FREN 3203 & FREN 3213	Advanced Written Expression and Advanced Grammar	6
FREN 4333	Background of Modern French Civilization	3
<i>Upper-division Electives (2 courses must be literature)</i>		
Select 9 hours of the following:		9
FREN 3463	Advanced Diction and Phonetics	

FREN 3853	Introduction to Analysis of French Literature
FREN 4153	Survey of French Literature I
FREN 4173	Survey of French Literature II
FREN 4550	Directed Studies in French (1-3 hours)
FREN 4573	Modern French Theater
FREN 5110	Advanced Studies in French (1-3 hours)

German

Code	Title	Hours
<i>Major Language Core</i>		
GRMN 3803 & GRMN 3813	Advanced Conversation Skills and Advanced Writing Skills	6
GRMN 3463	Advanced Diction and Phonetics	3
GRMN 4333	Backgrounds of Modern German Civilization	3
<i>Upper-division Electives (2 courses must be literature)</i>		
Select 9 hours of the following:		9
GRMN 4343	Modern Germany	
GRMN 4153	Survey of German Literature I	
GRMN 4163	Survey of German Literature II	
GRMN 4513	The Age of Goethe	
GRMN 4523	19th Century German Literature and Culture	
GRMN 4543	Contemporary German Literature and Culture	
GRMN 4550	Special Topics in German (1-3 hours)	

Spanish

Code	Title	Hours
<i>Major Language Core</i>		
SPAN 3203 & SPAN 3213	Advanced Conversation and Advanced Grammar and Composition	6
SPAN 3463	Spanish Phonetics and Phonology	3
SPAN 4323 or SPAN 4333	Culture and Civilization of Spain or Culture and Civilization of Latin America	3
<i>Upper-division Electives (2 courses must be literature)</i>		
Select 9 hours of the following:		9
SPAN 3183	Early Latin American Literature	
SPAN 3163	Literature of Medieval and Early Modern Spain	
SPAN 3173	Literature of Spain from 1700 to the Present	
SPAN 4123	Hispanic Poetry	
SPAN 4133	Hispanic Prose	
SPAN 4163	Don Quijote	
SPAN 4173	Hispanic Drama	
SPAN 4223	Contemporary Hispanic Literature	
SPAN 4253	Masterpieces of Hispanic Literature I	
SPAN 4263	Masterpieces of Hispanic Literature II	
SPAN 4323	Culture and Civilization of Spain	
SPAN 4333	Culture and Civilization of Latin America	
SPAN 4413	Advanced Stylistics (recommended)	

SPAN 4550	Seminar in Spanish (1-3 hours)
SPAN 5110	Advanced Hispanic Studies (1-3 hours)

Other Requirements

- 40 hours of upper-division coursework.
- Required for graduation and recommendation for Standard Certification:
 - 2.50 Overall GPA;
 - 2.50 GPA in Major Requirements and specified general education courses; and
 - 2.50 GPA in Professional Core Requirements.
- The student must earn minimum grades of "C" or "P" in each course in the Major Requirements and Professional Core Requirements and must earn grades of "P" in all sections of observation courses and student teaching for recommendation for Certification.
- Students seeking licensure should demonstrate, in an official Oral Proficiency Interview, oral proficiency in their target foreign language at the advanced-low level.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

French

Course	Title	Hours
Freshman		
Fall		
EDHS 1112	First Year Seminar	2
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
MATH or STAT Course Designated "A"		3
PSYC 1113	Introductory Psychology (S)	3
FREN 1713	Elementary French I	3
Hours		17

Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
POLS 1113	American Government	3
Course Designated "A, H, N, or S"		3
Course Designated "H"		3
FREN 1813	Elementary French II	3
Hours		15
Sophomore		
Fall		
FREN 2713	Intermediate Reading and Conversation I (I)	3
FREN 2723	Intermediate Grammar and Composition I	3
Course Designated "A, H, N, or S"		3
Course Designated "H"		3
Course Designated "N, L"		4
Hours		16
Spring		
SCFD 3223	Role of Teacher in American Schools (D)	3
FREN 2813	Intermediate Reading and Conversation II	3
FREN 2823	Intermediate Grammar & Comp II	3
Course Designated "A, H, N, or S"		2
Course Designated "N"		4
Elective ¹		3
Hours		18
Junior		
Fall		
CIED 3313	Field Experience in the Secondary Schools	3
EDTC 3123	Applications of Educational Technologies	3
FREN 3203	Advanced Written Expression	3
FREN 3213	Advanced Grammar	3
Upper Division FREN (Literature)		3
Elective ¹		3
Hours		18
Spring		
CIED 4813	Second Language Acquisition Research and Pedagogy	3
EPSY 3413	Child and Adolescent Development	3
Upper-Division FREN (Literature) ²		3
Upper-Division FREN ²		3
FREN 4333	Background of Modern French Civilization	3
Elective		1
Language Emphasis Elective (See Academic Advisor)		1
Hours		17
Senior		
Fall		
CIED 4724	Classroom Management in the Multicultural PK-12/ Secondary School	4
CIED 4823	Foreign Language Instruction, Curriculum, and Assessment: Grades PK-12	3
CIED 4133	Introduction to K-12 English Language Learners	3
SPED 3202	Educating Exceptional Learners (D)	2
FREN 3463	Advanced Diction and Phonetics	3
Hours		15
Spring		
CIED 4450	Internship in Elementary Education	4
CIED 4720	Internship in the Secondary Classroom	4
Hours		8
Total Hours		124

1

Recommended: CIED 4473, CPSY 4443, EPSY 4223, HIST 3273, HIST 3463, PHIL 1313, POLS 3143, POLS 3193 or SPCH 4753.

2

Upper-Division FREN - Must select 9 hours from the following: (2 courses must be literature) FREN 3073, FREN 3853, FREN 4153, FREN 4163, FREN 4173, FREN 4183, FREN 4550, FREN 4573, FREN 5110.

German

Course	Title	Hours
Freshman		
Fall		
EDHS 1112	First Year Seminar	2
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
MATH or STAT Course Designated "A"		3
PSYC 1113	Introductory Psychology (S)	3
GRMN 1713	Elementary German I	3
Hours		17
Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
POLS 1113	American Government	3
Course Designated "A, H, N, or S"		3
Course Designated "H"		3
GRMN 1813	Elementary German II	3
Hours		15
Sophomore		
Fall		
GRMN 2713	Intermediate German (I)	3
GRMN 2723	Intermediate German Skills I	3
Course Designated "A, H, N, or S"		3
Course Designated "H"		3
Course Designated "N, L"		4
Hours		16
Spring		
SCFD 3223	Role of Teacher in American Schools (D)	3
GRMN 2813	Reading and Conversation II	3
GRMN 2823	Intermediate German Skills II (I)	3
Course Designated "A, H, N, or S"		2
Course Designated "N"		4
Elective ¹		3
Hours		18
Junior		
Fall		
CIED 3313	Field Experience in the Secondary Schools	3
EDTC 3123	Applications of Educational Technologies	3
GRMN 3803	Advanced Conversation Skills	3
SPED 3202	Educating Exceptional Learners (D)	2
GRMN 3463	Advanced Diction and Phonetics	3
Elective ¹		3
Hours		17
Spring		
CIED 4813	Second Language Acquisition Research and Pedagogy	3
EPSY 3413	Child and Adolescent Development	3
Upper-Division GRMN ²		3
Upper-Division GRMN (Literature) ²		3
GRMN 4333	Backgrounds of Modern German Civilization	3
Elective		1
Language Emphasis Elective (See Academic Advisor)		1
Hours		17

Senior		
Fall		
CIED 4724	Classroom Management in the Multicultural PK-12/ Secondary School	4
CIED 4823	Foreign Language Instruction, Curriculum, and Assessment: Grades PK-12	3
CIED 4133	Introduction to K-12 English Language Learners	3
Upper-Division GRMN		3
GRMN 3813	Advanced Writing Skills	3
Hours		16
Spring		
CIED 4450	Internship in Elementary Education	4
CIED 4720	Internship in the Secondary Classroom	4
Hours		8
Total Hours		124

1
 Recommended: CIED 4473, CPSY 4443, EPSY 4223, HIST 3273, HIST 3463, PHIL 1313, POLS 3143, POLS 3193 or SPCH 4753.

2
 Upper-Division GRMN - Must select 9 hours from the following: (2 courses must be literature) GRMN 4343, GRMN 4153, GRMN 4163, GRMN 4513, GRMN 4523, GRMN 4543, GRMN 4550.

Spanish

Course	Title	Hours
Freshman		
Fall		
EDHS 1112	First Year Seminar	2
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
MATH or STAT Course Designated "A"		3
PSYC 1113	Introductory Psychology (S)	3
SPAN 1713	Elementary Spanish I	3
Hours		17
Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
POLS 1113	American Government	3
Course Designated "A, H, N, or S"		3
Course Designated "H"		3
SPAN 1813	Elementary Spanish II	3
Hours		15
Sophomore		
Fall		
SPAN 2713	Intermediate Spanish	3
SPAN 2723	Intermediate Hispanic Culture and Media	3
Course Designated "A, H, N, or S"		3
Course Designated "H"		3
Course Designated "N, L"		4
Hours		16
Spring		
SCFD 3223	Role of Teacher in American Schools (D)	3
SPAN 2813	Intermediate Reading and Conversation	3
SPAN 2823	Intermediate Composition and Grammar	3
Course Designated "A, H, N, or S"		2
Course Designated "N"		4
Elective ¹		3
Hours		18

Junior		
Fall		
CIED 3313	Field Experience in the Secondary Schools	3
EDTC 3123	Applications of Educational Technologies	3
SPAN 3203	Advanced Conversation	3
SPAN 3213	Advanced Grammar and Composition	3
Upper Division SPAN ²		3
Elective ¹		3
Hours		18
Spring		
CIED 4813	Second Language Acquisition Research and Pedagogy	3
EPSY 3413	Child and Adolescent Development	3
Upper-Division SPAN (Literature) ²		3
SPAN 3463	Spanish Phonetics and Phonology	3
SPAN 4323 or SPAN 4333	Culture and Civilization of Spain or Culture and Civilization of Latin America	3
Elective		1
Language Emphasis Elective (See Academic Advisor)		1
Hours		17

Senior		
Fall		
CIED 4724	Classroom Management in the Multicultural PK-12/ Secondary School	4
CIED 4823	Foreign Language Instruction, Curriculum, and Assessment: Grades PK-12	3
CIED 4133	Introduction to K-12 English Language Learners	3
SPED 3202	Educating Exceptional Learners (D)	2
Upper-Division SPAN (Literature) ²		3
Hours		15
Spring		
CIED 4450	Internship in Elementary Education	4
CIED 4720	Internship in the Secondary Classroom	4
Hours		8
Total Hours		124

1
 Recommended: CIED 4473, CPSY 4443, EPSY 4223, HIST 3273, HIST 3463, PHIL 1313, POLS 3143, POLS 3193 or SPCH 4753.

2
 Upper-Division SPAN - Must select 9 hours from the following: (2 courses must be literature) SPAN 3183, SPAN 3163, SPAN 3173, SPAN 4123, SPAN 4133, SPAN 4163, SPAN 4173, SPAN 4223, SPAN 4253, SPAN 4263, SPAN 4323, SPAN 4333, SPAN 4413, SPAN 4550, SPAN 5110.

Secondary Education: Mathematics, BS

Degree Programs

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113	Composition I ¹	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II ¹	
ENGL 1413	Critical Analysis and Writing II ¹	
ENGL 3323	Technical Writing ¹	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH 2144	Calculus I (A) ^{1,2}	4
Select 3 hours from the following:		3
CS 1103	Computer Programming (A) ^{1,2}	
CS 1113	Computer Science I (A) ^{1,2}	
<i>Humanities (H)</i>		
Course designated (H)		6
<i>Natural Sciences (N)</i>		
Courses designated (N) with one (L)		
PHYS 1114	College Physics I (LN)	4
or PHYS 2014	University Physics I (LN)	
PHYS 1214	College Physics II (LN)	4
or PHYS 2114	University Physics II (LN)	
<i>Social & Behavioral Sciences (S)</i>		
Courses designated (S)		3
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		4
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
Select at least one Diversity (D) course		
Select at least one International Dimension (I) course		
College/Departmental Requirements		
Minimum grade of "C" or "P" in each course		
EDHS 1112	First Year Seminar	2
Select 8 hours of electives		8

3 hours may need to be foreign language

Hours Subtotal		10
Major Requirements		
Minimum GPA 2.50 with a minimum grade of "C" or "P" in each course in the emphasis area and those with 1, 2 footnote.		
<i>Calculus, Abstract Algebra, Geometry</i>		
MATH 2153	Calculus II (A)	3
MATH 2163	Calculus III	3
MATH 3613	Introduction to Abstract Algebra	3
MATH 4403	Geometry	3
Differential Equations, Linear Algebra, Modern Analysis, Combinatorial Math, Number Theory		
MATH 2233	Differential Equations	3
MATH 3013	Linear Algebra (A)	3
MATH 4023	Introduction to Analysis	3
MATH 4663	Combinatorics	3
History, Mathematical Modeling, Research		
MATH 3303	Advanced Perspectives on Secondary Mathematics	3
MATH 3933	Introduction to Mathematical Research	3
Statistical Methods		
STAT 4013	Statistical Methods I (A)	3
or STAT 4053	Statistical Methods I for the Social Sciences (A)	
Select 3 hours of 4000-level or higher MATH or STAT or upper-division CS or PHYS		3
Select 3 hours of 4000-level or higher MATH or STAT 4203 or CS 3653, excluding 0-ending or Thesis courses.		3
Hours Subtotal		39
Professional Core Requirements		
Minimum GPA 2.50 with a minimum grade of "C" or "P" in each course		
CIED 4720	Internship in the Secondary Classroom ³	6
SMED 1012	Inquiry Approaches to Teaching	2
SMED 3013	Knowing and Learning in Mathematics and Science	3
SMED 4003	Teaching Fundamental Concepts of Mathematics ³	3
CIED 3313	Field Experience in the Secondary Schools	3
CIED 4133	Introduction to K-12 English Language Learners	3
SMED 4023	Problem-Based Learning in Mathematics and Science ³	3
SMED 4053	Teaching Geometry in the Secondary School ³	3
SMED 4723	Senior Seminar in Secondary Mathematics and Science Education ³	3
SPED 3202	Educating Exceptional Learners (D)	2
Hours Subtotal		31
Total Hours		120

1

Minimum grade of "C"

2

Included in the Major Requirements when calculating Major GPA

3

Full admission to Professional Education required

Other Requirements

- 40 hours of upper-division coursework.
- Required for graduation and recommendation for Standard Certification:
 - a. 2.50 Overall GPA;
 - b. 2.50 GPA in Major Requirements and specified general education courses; and
 - c. 2.50 GPA in Professional Core Requirements.
- The student must earn minimum grades of “C” or “P” in each course in the Major Requirements and Professional Core Requirements and must earn grades of “P” in all sections of observation courses and student teaching for recommendation for Certification.
- Students must demonstrate proficiency in a foreign language at the novice high level from among those languages identified by the Office of Educational Quality and Accountability. For clarification see OSU academic advisor. This proficiency can be demonstrated by presenting a high school transcript which demonstrates two years of study of a single foreign language with grades of “B” or better. Or, students may complete 3 hours college credit in a single language with no grade below C (or pass an advanced standing examination, College Level Examination Program (CLEP) exam, or Oral Proficiency Interview developed by the American Council on the Teaching of Foreign Languages, equivalent to 3 hours of college credit.) Students whose primary language is other than English may document proficiency in English as their second language with a score of 550 or more on the Test of English as a Foreign Language. Or, students may meet the requirement by transfer of documentation of meeting the foreign language competency from one of the teacher education programs in the State of Oklahoma approved by the Oklahoma State Regents for Higher Education.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
MATH 2144	Calculus I (A)	4
Course designated (S)		3
SMED 1012	Inquiry Approaches to Teaching	2
EDHS 1112	First Year Seminar	2
		Hours
		17
Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
POLS 1113	American Government	3
Course designated (H)		3
MATH 2153	Calculus II (A)	3
CS 1103 or CS 1113	Computer Programming (A) or Computer Science I (A)	3
		Hours
		15
Sophomore		
Fall		
Elective or Foreign Language		3
PHYS 1114 or PHYS 2014	College Physics I (LN) or University Physics I (LN)	4
MATH 2163	Calculus III	3
MATH 3013	Linear Algebra (A)	3
Elective		2
		Hours
		15
Spring		
SMED 3013	Knowing and Learning in Mathematics and Science	3
PHYS 1214 or PHYS 2114	College Physics II (LN) or University Physics II (LN)	4
Elective or Foreign Language		3
MATH 2233	Differential Equations	3
MATH 3613	Introduction to Abstract Algebra	3
		Hours
		16
Junior		
Fall		
SMED 4013	Classroom Interactions	3
MATH 3303	Advanced Perspectives on Secondary Mathematics	3
MATH 4033	History of Mathematics	3
SPED 3202	Educating Exceptional Learners (D)	2
STAT 4013 or STAT 4053	Statistical Methods I (A) or Statistical Methods I for the Social Sciences (A)	3
Course designated (A), (H), (N), or (S)		1
		Hours
		15
Spring		
SMED 4003	Teaching Fundamental Concepts of Mathematics	3
MATH 3933	Introduction to Mathematical Research	3
MATH 4663	Combinatorics	3
Course designated (H)		3
Select 3 hours of 4000-level MATH or STAT or upper-division CS or PHYS		3
Course designated (A), (H), (N) or (S)		3
		Hours
		18
Senior		
Fall		
SMED 4053	Teaching Geometry in the Secondary School	3
SMED 4023	Problem-Based Learning in Mathematics and Science	3
MATH 4403	Geometry	3

MATH 4713 or MATH 4753	Number Theory or Introduction to Cryptography	3
MATH 4023	Introduction to Analysis	3
Hours		15
Spring		
CIED 4720	Internship in the Secondary Classroom	6
SMED 4723	Senior Seminar in Secondary Mathematics and Science Education	3
Hours		9
Total Hours		120

Secondary Education: Science, BS

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113 or ENGL 1313	Composition I ¹ Critical Analysis and Writing I	3
Select one of the following:		3
ENGL 1213	Composition II ¹	
ENGL 1413	Critical Analysis and Writing II ¹	
ENGL 3323	Technical Writing ¹	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
Select one course from the following:		3
MATH 1613	Trigonometry (A) (required for Biology emphasis)	
MATH 1813	Preparation for Calculus (A) (required for Chemistry, Earth Science and Physics emphasis)	
MATH 2144	Calculus I (A)	
Select one course from the following:		3
STAT 2013 or STAT 4013	Elementary Statistics (A) Statistical Methods I (A)	
STAT 4013	Statistical Methods I (A) (required for Physics emphasis)	
<i>Humanities (H)</i>		
PHIL 3933	Creation and Evolution	3
Courses designated (H)		3
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
CHEM 1314	Chemistry I (LN) ^{1,2}	4
CHEM 1515	Chemistry II (LN)	5
Select one of the following options:		4
BIOL 1114	Introductory Biology (LN) ^{1,2}	
BIOL 1113 & BIOL 1111	Introductory Biology (N) and Introductory Biology Laboratory (LN) ^{1,2}	
<i>Social & Behavioral Sciences (S)</i>		
Courses designated (S)		3
Hours Subtotal		40
Diversity (D) & International Dimension (I)		

May be completed in any part of the degree plan

Select at least one Diversity (D) course

Select at least one International Dimension (I) course

College/Departmental Requirements

Minimum grade of "C" or "P" in each course

EDHS 1112 First Year Seminar 2

Select 5-11 hours of electives to total 120 credit hours for degree 5-11

3 hours may need to be foreign language

Hours Subtotal 7-13

Major Requirements

Minimum GPA 2.50 with a minimum grade of "C" or "P" in each course in the emphasis area and those with a footnote of 1, 2.

Select one area of emphasis: (p. 2165) 35-41

Hours Subtotal 35-41

Professional Core Requirements

Minimum GPA 2.50 with a minimum grade of "C" or "P" in each course

SMED 1012 Inquiry Approaches to Teaching 2

SMED 3013 Knowing and Learning in Mathematics and Science 3

SMED 4023 Problem-Based Learning in Mathematics and Science ³ 3

SMED 4611 Authentic Research in the Science Classroom ³ 1

SMED 4613 Teaching the Nature of Science Through an Inquiry Approach ³ 3

SMED 4713 Teaching and Learning Science in the Secondary School ³ 3

SMED 4723 Senior Seminar in Secondary Mathematics and Science Education ³ 3

CIED 3313 Field Experience in the Secondary Schools 3

CIED 4133 Introduction to K-12 English Language Learners 3

CIED 4720 Internship in the Secondary Classroom ³ 6

SPED 3202 Educating Exceptional Learners (D) 2

Hours Subtotal 32

Total Hours 120

1

Minimum grade of "C"

2

Included in the Major Requirements when calculating Major GPA

3

Full admission to Professional Education required

Areas of Emphasis Biology (40 Hours)

Code	Title	Hours
Biology Emphasis Requirements		
BIOL 1604	Animal Biology	4
BIOL 3023	General Genetics	3
BIOL 3034	General Ecology	4
BIOL 3204	Physiology	4

BIOL 4133	Evolution	3	PHYS 3013	Mechanics I	3
CHEM 3013	Survey of Organic Chemistry	3	PHYS 3323	Modern Laboratory Methods I	3
MICR 2123	Introduction to Microbiology	3	PHYS 3513	Mathematical Physics	3
MICR 2132	Introduction to Microbiology Laboratory	2	PHYS 3623	Modern Laboratory Methods II	3
MICR 3033	Cell and Molecular Biology	3	PHYS 3713	Modern Physics	3
PHYS 1114	College Physics I (LN)	4	PHYS 4113	Electricity and Magnetism	3
or PHYS 2014	University Physics I (LN)		MATH 2153	Calculus II (A)	3
PBIO 1404	Plant Biology (LN)	4	MATH 2163	Calculus III	3
Select 3 hours of upper-division PBIO coursework		3	MATH 2233	Differential Equations	3
			Select 3 hours of upper-division physics		3

Chemistry (35 Hours)

Code	Title	Hours
Chemistry Emphasis Requirements		
CHEM 2113	Principles of Analytical Chemistry	3
CHEM 2122	Quantitative Analysis Laboratory	2
CHEM 3053	Organic Chemistry I	3
CHEM 3112	Organic Chemistry Laboratory	2
CHEM 3153	Organic Chemistry II	3
CHEM 3353	Descriptive Inorganic Chemistry	3
CHEM 3413	Physical Chemistry Applications	3
CHEM 4990	Special Problems in Chemistry	2
PHYS 1114	College Physics I (LN)	4
or PHYS 2014	University Physics I (LN)	
PHYS 1214	College Physics II (LN)	4
or PHYS 2114	University Physics II (LN)	
MATH 2153	Calculus II (A)	3
BIOC 3653	Survey of Biochemistry	3

Earth Science (39 Hours)

Code	Title	Hours
Earth Science Emphasis Requirements		
GEOL 1214	Introductory Geological Processes (LN)	4
GEOL 1224	Evolution of the Earth (LN)	4
GEOL 2464	Rocks and Minerals	4
GEOL 2773	Introduction to Planetary Geology (N)	3
GEOL 3014	Structural Geology	4
GEOL 3034	Principles of Stratigraphy and Sedimentology	4
GEOL 3503	Environmental Geology (N)	3
GEOL 4503	Introduction to Oceanography (N)	3
GEOG 3023	Climatology (N)	3
or GEOG 3033	Meteorology (N)	
ASTR 1023	Stars, Galaxies, Universe (N)	3
PHYS 1114	College Physics I (LN)	4
or PHYS 2014	University Physics I (LN)	

Physics (41 Hours)

Code	Title	Hours
Physics Emphasis Requirements		
PHYS 2014	University Physics I (LN)	4
PHYS 2114	University Physics II (LN)	4
PHYS 2203	University Physics III	3

Other Requirements

- 40 hours of upper-division coursework.
- Required for graduation and recommendation for Standard Certification:
 - 2.50 Overall GPA;
 - 2.50 GPA in Major Requirements and specified general education courses; and
 - 2.50 GPA in Professional Core Requirements.
- The student must earn minimum grades of "C" or "P" in each course in the Major Requirements and Professional Core Requirements and must earn grades of "P" in all sections of observation courses and student teaching for recommendation for Certification.
- Students must demonstrate proficiency in a foreign language at the novice high level from among those languages identified by the Office of Educational Quality and Accountability. For clarification see OSU academic advisor. This proficiency can be demonstrated by presenting a high school transcript which demonstrates two years of study of a single foreign language with grades of "B" or better. Or, students may complete 3 hours college credit in a single language with no grade below C (or pass an advanced standing examination, College Level Examination Program (CLEP) exam, or Oral Proficiency Interview developed by the American Council on the Teaching of Foreign Languages, equivalent to 3 hours of college credit.) Students whose primary language is other than English may document proficiency in English as their second language with a score of 550 or more on the Test of English as a Foreign Language. Or, students may meet the requirement by transfer of documentation of meeting the foreign language competency from one of the teacher education programs in the State of Oklahoma approved by the Oklahoma State Regents for Higher Education.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Secondary Education: Social Studies, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Minimum Overall Grade Point Average: 2.50

Total Hours: 124

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 965)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
HIST 1483	American History to 1865 (H) ¹	3
POLS 1113	American Government ¹	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH or STAT course designated (A)		3
<i>Humanities (H)</i>		
HIST 1613	Western Civilization to 1500 (H) ¹	3
HIST 1623	Western Civilization after 1500 (H) ¹	3
<i>Natural Sciences (N)</i>		
Courses designated (N) with one (L)		8
<i>Social & Behavioral Sciences (S)</i>		
GEOG 1113	Introduction to Cultural Geography (IS) ¹	3
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		8
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
Select at least one Diversity (D) course		
Select at least one International Dimension (I) course		
College/Departmental Requirements		
Minimum grade of "C" or "P" in each course		
EDHS 1112	First Year Seminar	2
CIED 4133	Introduction to K-12 English Language Learners	3
Select 7 hours of electives (3 hours may need to be foreign language)		7
Recommended:		
ANTH 3353	Cultural Anthropology (IS)	
ANTH 4883	Comparative Cultures (IS)	
CIED 4194	Teaching Writing in the Secondary School	
CIED 4313	Young Adult Literature	
CIED 4473	Reading for the Secondary Teacher	

EDHS 4110	Professional Education Seminar	
EPSY 4223	Psychological Foundations of Learning and Instruction	
Hours Subtotal		12
Major Requirements		
Minimum GPA 2.50 with a minimum grade of "C" in each course		
<i>Economics</i>		
ECON 2103	Introduction to Microeconomics (S)	3
ECON 2203	Introduction to Macroeconomics	3
<i>Government</i>		
Select 6 hours POLS (POLS 2013, POLS 2113 suggested)		6
<i>Oklahoma History</i>		
HIST 3703	Oklahoma History (DH)	3
<i>Psychology</i>		
PSYC 1113	Introductory Psychology (S)	3
<i>Sociology</i>		
SOC 1113	Introductory Sociology (S)	3
<i>U.S. American History</i>		
HIST 1493	American History Since 1865 (DH)	3
Select 6 upper-division hours of U.S. American HIST		6
Suggested courses:		
HIST 3613	American Colonial Period to 1750 (H)	
HIST 3623	Era of the American Revolution (H)	
HIST 3653	Civil War and Reconstruction, 1850-1877	
HIST 3673	United States History, 1919-45 (DH)	
HIST 3683	United States History Since 1945 (DH)	
<i>Areas</i>		
Select one of the following areas:		12
<i>World History and Geography Area</i>		
Select 3 hours of upper-division World History		
Suggested courses:		
HIST 3403	East Asia to 1800 (H)	
HIST 3453	Colonial Latin America (H)	
HIST 3483	Reformation Europe, 1517-1648 (H)	
HIST 3503	Medieval Islamic History (H)	
Select 3 hours of Non-Western History (in addition to GEOG 1713/GLST 1713, which is required if this area is selected)		
GEOG 1713	Regions & Nations in Global Context (IS)	
or GLST 1713	Regions & Nations in Global Context (IS)	
Suggested courses:		
HIST 1713	Survey of Eastern Civilization (H)	
Select 3 hours of Cultural Geography		
Suggested courses:		
GEOG 3123	Urban Geography (S)	
GEOG 3163	Economic Geography (S)	
GEOG 3173	Cultural Geography (S)	
GEOG 3713	Exploring North America and Diversity (DS)	
<i>Sociology/Psychology Area</i>		
Select 6 hours of Sociology (3 hours must be upper division)		
Suggested courses:		
SOC 3133	Racial and Ethnic Relations (DS)	
SOC 4383	Social Stratification (S)	

Select 6 hours of Psychology (3 hours must be upper-division)		
Suggested courses:		
PSYC 3013	Psychology of Motivation	
PSYC 3113	Comparative Psychology (N)	
Hours Subtotal		
Professional Core Requirements		
Minimum GPA 2.50 with a minimum grade of "C" or "P" in each course		
CIED 3313	Field Experience in the Secondary Schools	3
CIED 4713	Teaching and Learning in the Secondary School (Fall Semester prior to Student Teaching) ²	3
EDTC 3123	Applications of Educational Technologies	3
EPSY 3213	Psychology of Adolescence	3
SCFD 3223	Role of Teacher in American Schools (D)	3
SPED 3202	Educating Exceptional Learners (D)	2
CIED 4724	Classroom Management in the Multicultural PK-12/ Secondary School (semester prior to Student Teaching) ²	4
CIED 4720	Internship in the Secondary Classroom (Student Teaching) ²	9
Hours Subtotal		
Total Hours		124

- 1
- Minimum GPA 2.50 required in combination with Major Requirements. Certification requirements that meet General Education requirements.
- 2
- Full admission to Professional Education required.

Other Requirements

- 40 hours of upper-division coursework.
- Required for graduation and recommendation for Standard Certification:
 - 2.50 Overall GPA;
 - 2.50 GPA in Major Requirements; and
 - 2.50 GPA in Professional Core Requirements.
- The student must earn minimum grades of "C" or "P" in each course in the Major Requirements and Professional Core Requirements and specified courses in General Education; and must earn grades of "P" in all sections of observation courses and student teaching for recommendation for Certification.
- Students must demonstrate proficiency in a foreign language at the novice high level from among those languages identified by the Office of Educational Quality and Accountability.
- For teacher certification, students must successfully complete OSAT (017), "U.S. History/OK History/Government/Economics".
- Students may also take OSAT (018), "World History/Geography" and/or OSAT (032) "Psychology/Sociology" to add additional certification areas.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.

- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Psychology/Sociology Option

Course	Title	Hours
Freshman		
Fall		
EDHS 1112	First Year Seminar	2
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
HIST 1483	American History to 1865 (H)	3
MATH or STAT course Designated (A)		3
POLS 1113	American Government	3
1 hour of Elective		1
Hours		15
Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
HIST 1493	American History Since 1865 (DH)	3
SOC 1113	Introductory Sociology (S)	3
Course Designated (A), (H), (N), or (S)		3
Course Designated (N, L)		4
Hours		16
Sophomore		
Fall		
Elective or Foreign Language ¹		3
HIST 1613	Western Civilization to 1500 (H)	3
GEOG 1113	Introduction to Cultural Geography (IS)	3
PSYC 1113	Introductory Psychology (S)	3
Course designated (A), (H), (N) or (S)		3
Course designated (A), (H), (N) or (S)		2
Hours		17
Spring		
ECON 2103	Introduction to Microeconomics (S)	3
3 hours of Sociology		3
HIST 1623	Western Civilization after 1500 (H)	3
3 Hours of POLS (suggested: POLS 2013)		3
Course designated (N)		4
Hours		16
Junior		
Fall		
CIED 3313	Field Experience in the Secondary Schools	3
3 Hours of Elective (Recommended: ANTH 3353, ANTH 4883, CIED 4193, CIED 4313, CIED 4473, EPSY 4223)		3

3 Hours of Psychology		3
HIST 3703	Oklahoma History (DH)	3
SCFD 3223	Role of Teacher in American Schools (D)	3
3 Hours of Upper-Division U.S. American HIST (Suggested: HIST 3613, HIST 3623, HIST 3653, HIST 3673, HIST 3683)		3
Hours		18
Spring		
ECON 2203	Introduction to Macroeconomics	3
EDTC 3123	Applications of Educational Technologies	3
EPSY 3213	Psychology of Adolescence	3
3 Hours of Upper-Division Psychology (Suggested: PSYC 3013, PSYC 3113)		3
SPED 3202	Educating Exceptional Learners (D)	2
3 Hours U.S. American HIST (Suggested: HIST 3613, HIST 3623, HIST 3653, HIST 3673, HIST 3683)		3
Hours		17
Senior		
Fall		
CIED 4713	Teaching and Learning in the Secondary School	3
CIED 4724	Classroom Management in the Multicultural PK-12/ Secondary School	4
3 Hours of Elective (Recommended: ANTH 3353, ANTH 4883, CIED 4193, CIED 4313, CIED 4473, EPSY 4223)		3
3 Hours of POLS (Suggested: POLS 2113)		3
3 Hours of Upper-Division Sociology (Suggested: SOC 3133, SOC 4383)		3
Hours		16
Spring		
CIED 4720	Internship in the Secondary Classroom	9
Hours		9
Total Hours		124

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Foreign language requirement may be converted to an elective if competency in a Foreign Language can be demonstrated by 2 years of the same foreign language with a grade of "B" or better on the high school transcript.

World History/Cultural Geography

Course	Title	Hours
Freshman		
Fall		
EDHS 1112	First Year Seminar	2
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
HIST 1483	American History to 1865 (H)	3
MATH or STAT course Designated (A)		3
POLS 1113	American Government	3
1 hour of Elective		1
Hours		15
Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
HIST 1493	American History Since 1865 (DH)	3
GEOG 1113	Introduction to Cultural Geography (IS)	3
Course Designated (A), (H), (N), or (S)		3
Course Designated (N, L)		4
Hours		16
Sophomore		
Fall		
Elective or Foreign Language ¹		3
HIST 1613	Western Civilization to 1500 (H)	3
3 hours of Non-Western History (Suggested: HIST 1713)		3
PSYC 1113	Introductory Psychology (S)	3

Course designated (A), (H), (N) or (S)		3
Course designated (A), (H), (N) or (S)		2
Hours		17
Spring		
ECON 2103	Introduction to Microeconomics (S)	3
SOC 1113	Introductory Sociology (S)	3
HIST 1623	Western Civilization after 1500 (H)	3
3 Hours of POLS (suggested: POLS 2013)		3
Course Designated (N)		4

Hours		16
Junior		
Fall		
CIED 3313	Field Experience in the Secondary Schools	3
3 Hours of Elective (Recommended: ANTH 3353, ANTH 4883, CIED 4193, CIED 4313, CIED 4473, EPSY 4223)		3
GEOG 1713 or GLST 1713	Regions & Nations in Global Context (IS) or Regions & Nations in Global Context (IS)	3
HIST 3703	Oklahoma History (DH)	3
SCFD 3223	Role of Teacher in American Schools (D)	3
3 hours of Upper-Division U.S. American HIST (Suggested: HIST 3613, HIST 3623, HIST 3653, HIST 3673, HIST 3683)		3

Hours		18
Spring		
3 Hours of Cultural Geography (Suggested: GEOG 3123, GEOG 3163, GEOG 3173, GEOG 3713)		3
ECON 2203	Introduction to Macroeconomics	3
EDTC 3123	Applications of Educational Technologies	3
EPSY 3213	Psychology of Adolescence	3
SPED 3202	Educating Exceptional Learners (D)	2
3 hours U.S. American HIST (Suggested: HIST 3613, HIST 3623, HIST 3653, HIST 3673, HIST 3683)		3

Hours		17
Senior		
Fall		
CIED 4713	Teaching and Learning in the Secondary School	3
CIED 4724	Classroom Management in the Multicultural PK-12/ Secondary School	4
3 hours of Elective (Recommended: ANTH 3353, ANTH 4883, CIED 4193, CIED 4313, CIED 4473, EPSY 4223)		3
3 hours of POLS (Suggested: POLS 2113)		3
3 hours of Upper-Division World History (Suggested: HIST 3403, HIST 3453, HIST 3483, HIST 3503)		3
Hours		16
Spring		
CIED 4720	Internship in the Secondary Classroom	9
Hours		9
Total Hours		124

1

Foreign language requirement may be converted to an elective if competency in a Foreign Language can be demonstrated by 2 years of the same foreign language with a grade of "B" or better on the high school transcript.

Special Education (SPED), Minor

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (p. 964).

Candace Schell, School of Teaching, Learning and Educational Sciences, 225 Willard, (405) 744-7125

Minimum Overall Grade Point Average: 2.50 with no grade below "C" in SPED courses to be awarded the SPED minor.

Total Hours: 17

Code	Title	Hours
SPED 3202	Educating Exceptional Learners (D)	2
SPED 3623	Characteristics of Students with Mild/Moderate Disabilities	3
SPED 3683	Models of Instruction in the Inclusive Classroom	3
SPED 3743	Planning, Compliance, and Current Practices in SPED	3
SPED 4723	Transition Into Adulthood for Individuals with Disabilities	3
SPED 4753	Techniques of Behavior Management and Counseling with Exceptional Individuals	3
Total Hours		17

Additional OSU Requirements

Undergraduate Minors

- An undergraduate minor must include between fifteen and thirty hours, inclusive of undergraduate coursework.
- A minimum of six credit hours for the minor must be earned in residence at OSU.
- The courses required for a minor may be included in the course requirements for any undergraduate degree or they may be in addition to degree requirements, depending on the overlap between the minor and degree requirements. However, an undergraduate minor must be earned in an academic field other than the student's declared degree option. The minor may not duplicate the degree major or option (for example, a student who earns a BA in Art with an Art History option may earn a minor in Studio Art but not Art History).
- A student generally follows the minor requirements associated with his or her matriculation year or newer requirements that have been established since matriculation. The time limit for following requirements from a given academic year is six years.

For additional information on requirements on minors, click here (<https://adminfinance.okstate.edu/site-files/documents/policies/requirements-for-undergraduate-and-graduate-minors.pdf>).