

COLLEGE OF EDUCATION, HEALTH AND AVIATION

College Administration

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Engagement and Administrative Support

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The College of Education, Health and Aviation (EHA) includes the School of Community Health Sciences, Counseling and Counseling Psychology; the School of Educational Foundations, Leadership and Aviation; the School of Teaching, Learning and Educational Sciences; and the School of Kinesiology, Applied Health and Recreation. The College offers a wide range of undergraduate and graduate programs to prepare individuals for careers in teaching, administration, practice or research in the professional fields of education and health either in PK-12 schools, in institutions of higher education, or in a wide range of health agencies. There are a variety of degrees within the College at the bachelor's, master's, specialist and doctor's levels that prepare individuals for productive lives in the global community (see the "Degree Programs" section of the Catalog).

Accreditation

In the College of Education, Health and Aviation, the Aviation Management and Professional Pilot options are accredited by the Aviation Accreditation Board International (AABI). The counseling psychology program and the school psychology program are accredited by the American Psychological Association. The school psychology program also is accredited by the National Association of School Psychologists. The counseling program with options in Mental Health Counseling and School Counseling are accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP).

The Recreation Management & Recreational Therapy program option in Recreational Therapy is accredited by the Commission on Accreditation of Allied Health Professions (CAAHEP), through the Committee on Accreditation of Recreational Therapy Education (CARTE).

All professional education programs are accredited by the Council for the Accreditation of Educator Preparation (CAEP) (formerly NCATE), and the Office of Educational Quality and Accountability (OEQA).

Statement on Diversity

The College of Education, Health and Aviation is committed to the promotion and affirmation 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.

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, Health and Aviation consistent with criteria published for admission to the University.

Criteria for students wishing to transfer into the College of Education, Health and Aviation include a required minimum grade-point average based on the University graduation and retention grade-point average policy.

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

Students pursuing degree options in Career and Technical Education non-certification option or Recreational Management and Recreational Therapy are required to maintain a 2.00 GPA. Students pursuing a degree in Elementary Education, Health Education and Promotion, Applied Exercise Science, or Sports and Coaching Science are required to maintain a 2.75 or higher GPA. All other degree options require a 2.50 GPA.

For continuing enrollment in good standing, the Professional Education Unit 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 Watson Family Student Success Center in the College of Education, Health and Aviation 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.

Scholarships

The College of Education, Health and Aviation offers scholarships for undergraduate and graduate students in the School of Community Health Sciences, Counseling, and Counseling Psychology; School of Educational Foundations, Leadership, and Aviation; School of Teaching, Learning, and Education Sciences; and the School of Kinesiology, Applied Health, and Recreation. An up-to-date listing for EHA Scholarships can be found at <https://education.okstate.edu/scholarships/index.html>.

Abercrombie, Betty Memorial Endowed Scholarship
 Adams, Cathy Endowed Scholarship, A Son's Final Gift
 Adkins, Mike Memorial Scholarship
 Albers, L. Mignon Scholarship
 Allgood Family Scholarship in Special Education
 Allred, Gladeen B. Endowed Scholarship
 Baker, Claudia Endowed Scholarship
 Bellmon, George D. and Edith Eleanor Caskey Endowed Memorial Scholarship
 Benson, Ann and Gene Endowed Scholarship
 Berlin, Grace, James and Tammy Scholarship
 Bird, Memorial Endowed Scholarship
 Blair, Donald E. and Martha Sory Blair Endowed Scholarship
 Blair, Mary Francis Endowed Scholarship in Aviation
 Bliss Family Aviation Management Scholarship
 Boeing Company Aerospace Logistics Scholarship
 Bradley, John W. Memorial Endowed Scholarship
 Branstetter, Olin R. and Paula G. Aviation Scholarship
 Briggs, Lloyd & Mary Ann Endowed Scholarship
 Brown, David W. & Karen Bale-Brown Education Scholarship
 Brown, Ray E. Memorial Endowed Scholarship
 Broyles-Willard Family Endowed Scholarship
 Buckles, William R. and Billie D. Endowed Scholarship
 Burgess, Bob Scholarship
 Burke, Jim and Linda Scholarship
 Burson, Jerry and Mary Endowed Scholarship
 Caruthers, Kent & Flora Scholarship
 Cashel, Christine Endowed Professional Scholarship
 Celebration of Teaching Scholarship
 Changing Seasons Scholarship in Education
 Chauncey, Vera Jones Memorial Endowed Scholarship
 Chemistry Teacher Scholarship
 Christiansen Aviation Scholarship
 Cieutat, Suzann Jill Endowed Scholarship in Education
 Close, Bryan, Transfer Student Scholarship
 College of Education, Health and Aviation Alumni Association Undergraduate Endowed Scholarship
 College of Education, Health and Aviation Alumni Association Freshman Endowed Scholarship
 College of Education, Health and Aviation Alumni Association Endowed Scholarship
 College of Education, Health and Aviation Alumni Association Graduate Endowed Scholarship
 College of Education, Health and Aviation Associates Endowed Scholarship
 College of Education, Health and Aviation Associates Graduate Scholarship in Teaching
 College of Education, Health and Aviation Dean's Academic Excellence Scholarship
 College of Education, Health and Aviation Freshman Recruitment Scholarship
 College of Education, Health and Aviation General Scholarship
 Collins, W. Opal Eastep Endowed Scholarship
 Colvin, Valerie Endowed Scholarship
 Connell, Betty Hatfield Scholarship
 Cornforth, Patricia Scholarship
 Crawford, Kristen Elementary Education Scholarship
 Crittenden, Mickey and Linda Endowed Scholarship
 Cumberledge, Gretchen Lynette Memorial Scholarship
 Cunningham, Mary Marie Memorial Endowed Scholarship
 Cusick Family Endowed Scholarship
 Dickman, Marcia Endowed Fellowship
 Dickman, Marcia Endowed Scholarship
 Dorsey, Billy J. Endowed Scholarship for Aviation Education
 Dotson, Rachel Endowed Scholarship
 Dugger, Cecil & Geneva Aviation Endowed Scholarship
 Dugger, Cecil & Geneva Higher Education Scholarship
 Dugger, Tom J. and H. Ann Endowed Scholarship
 Earls, Lacrisa Diane Stephens Memorial Endowed Scholarship
 Ebert, Bill and Nita Scholarship
 England, Paul and Martha Family Scholarship
 Eriksson, Alice R. Memorial Endowed Scholarship
 Eskimo Joe's Future Teacher Endowed Scholarship
 Esslinger, Charles A. Outdoor Recreation Endowed Scholarship
 Flying Cowboys Scholarship
 Frye, Drs. Mary & Moses Endowed Scholarship
 Gardner, Jim & Judy Endowed Scholarship in Education
 Gerfen, Kevin A. Scholarship Fund
 Gilcrease, Thomas Foundation Endowed Scholarship in Aviation
 Gladden, Rick & Maxine Excellence in Aviation Endowed Scholarship
 Hall, Roy & Wanda Endowed Scholarship
 Halley, Elizabeth Education Endowed Scholarship
 Harder, James Endowed Scholarship
 Harrison, Aix B. Endowed Scholarship
 Hartman, Captain Larry L. Endowed Scholarship in Aviation
 Hatfield, Richard G. and Melody N. Endowed Scholarship
 Havner, Dr. Roberta R. Memorial Endowed Scholarship in Career and Technical Education
 Hedrick, Frank E. & Harriet E. Aviation Endowed Scholarship
 Henderson, Ora A. Memorial Endowed Scholarship
 Herd, Daniel & Mary Memorial Endowed Scholarship
 Hodges, Helen Aviation Scholarship
 Holley, J. Andrew Memorial Endowed Scholarship
 Holmes, Viola Lacher Endowed Scholarship
 Horner, Jo Griffith Endowed Scholarship
 James, Johnney and Kevin Aviation Endowed Scholarship
 Jameson Family Endowed Scholarship
 Jarman, Ron & Sandy Powell Jarman Endowed Scholarship in Gifted Education
 Jeskey, Arlene Starwalt Scholarship in Math
 Jewell, Jan Endowed Scholarship
 Jimpie Family Endowed Scholarship for Secondary Education in English
 Johnson, John & Valerie Family Scholarship in Education
 Jones, Helen M. Endowed Scholarship
 Jones, SFC Nick Scholarship in Aviation Leadership
 Jordan, Henry S. and Wanda Family Endowed Scholarship
 Jordan, Martha Endowed Scholarship
 Jungers, Richard & Edna Endowed Scholarship
 Kamm, Robert & Maxine Distinguished Graduate Endowed Fellowship
 King, Kenneth & Peggy Endowed Scholarship
 Kinkead Family Endowed Scholarship
 Knaub Robert & Patricia Endowed Scholarship
 Kunce, Anton and Pearl Scholarship
 Kunze, Lawana Scholarship

LaBrue, Paul 1965 Championship Basketball Team Endowed Scholarship
 Ledbetter, Myron C. Diversity Endowed Scholarship
 Leird Family Endowed Scholarship
 Lentz, Gary Memorial Flight Scholarship
 Linehan, John C. & Caroline S. Endowed Scholarship
 Locke, Wright, Foster, & Cross Educational Endowed Scholarship
 Long, Hal & Jean Endowed Scholarship in Elementary Education
 Looper, Lura Schoenleber Memorial Endowed Scholarship
 Lotven Family Endowed Scholarship
 Lynn, Harry and Betty Memorial Endowed Scholarship
 Marks, Steven and Janet Endowed Scholarship
 Marsh, Anne Endowed Scholarship
 Martin, Diane E. Scholarship
 Martin, Joe E. Scholarship
 McGehee, Alexis Brownlee Endowed Scholarship
 McGehee, Janet Bourland Family Endowed Scholarship
 McMaster, James H. Flying Aggies Endowed Scholarship
 McMullen, Colleen & George Endowed Scholarship
 Medley, Petrina Russo Scholarship Fund
 Middleton, Jack & Jane Endowed Scholarship
 Mills, Terence J. Endowed Scholarship In Environmental Education
 Miskel, Dr. Cecil College of Education, Health and Aviation Graduate Student Scholarship
 Morgan, Clayton A. Excellence Endowed Scholarship
 Morsani, Frank L. & Carol D. Endowed Graduate Scholarship
 Morsani, Frank L. & Carol D. Endowed Undergraduate Scholarship
 Morrison, Jaydene Scholarship
 Mosier, Richard H. Leadership in Higher Education Endowed Scholarship
 Munson, Leon L. Memorial Endowed Scholarship
 Neilson, Tracey Waterfield Memorial Endowed Scholarship
 Nemecek, Col. Glen Aviation Endowed Scholarship
 Noble, Judy Endowed Scholarship
 Oaks, Mable Marietta Macey Memorial Art Education Endowed Scholarship
 Oaks, Percy W. Sr. Memorial Art Education Endowed Scholarship
 Oklahoma Teacher of the Year (OKTOY) Endowed Scholarship
 OSUFlyGirl Scholarship
 Parrack, Doyle Endowed Scholarship
 Patel Elementary Education Endowed Scholarship
 Peacher, Lynn & Bill Endowed Scholarship
 Phillips, Ann Foreign Language Endowed Scholarship
 Phillips, Ann Study Abroad Endowed Scholarship
 Phillips, David Elroy Family Endowed Scholarship for Educational Administration
 Phillips, David Elroy Family Endowed Scholarship for International Student Teaching
 Phillips, David Elroy Family Endowed Scholarship for Science Education
 Pitts, Joel G. Aviation Endowed Scholarship for Professional Pilot Training
 Poe, Ron and Carolyn Scholarship
 Poorman, Mary Elizabeth Choate and Ralph U. Poorman Memorial Scholarship
 Price, Emma Ingersol Scholarship
 Prince, James Leonard Endowed Memorial Scholarship
 Ray, Darrel D. Scholarship
 Reitmeier, Georgan Wallace Endowed Scholarship
 Rezabek, Frankie Bohanan Endowed Scholarship
 Rollins-Wade, Myr-Lou Endowed Scholarship
 Rowley, George A. & A. Fern Endowed Scholarship
 Swarens, Tracy Kendall & Ashley Endowed Scholarship in Memory of Dr. Jean Caudle
 Schwarz, Donna Scholarship
 Seidle Family Foundation Endowed Scholarship in Education
 Sharpton, Wendell Family Endowed Scholarship
 Shaw, Dr. Terry Memorial Scholarship
 Shaw, Thelia Sewell Memorial Scholarship
 Shriver, Madeline D. Endowed Scholarship
 Smith, Kathlyn, Alumni, Doug and Davis Wilson Endowed Scholarship
 Smith, Stephen and Rebecca Endowed Scholarship
 Smith, Thomas J. Endowed Scholarship
 Smith, Thomas J. Freshman Student Recruitment Scholarship
 Sorenson, Helmer & Frances Endowed Scholarship in Educational Leadership
 Spradling, Scott and Suzanne Science Education Endowed Scholarship
 St. Clair, J. Kenneth Endowed Scholarship
 Stone, Lana B. Diversity Endowed Scholarship
 Stone, Toni and Bill Endowed Scholarship
 Sumpster, Mildred H Endowed Scholarship
 Sutton, Eddie Endowed Scholarship in Education, Health and Aviation
 Tontz, Len & Linda Endowed Scholarship in Workforce & Adult Education
 Trammel, Jane Memorial Endowed Scholarship
 Trenary, Phillips H. Flying Aggies Endowed Scholarship
 Tuttle, Francis Visionary Leadership Fellowship
 Ulrich, John Memorial Endowed Scholarship
 Vandegrift, James R. Memorial Endowed Scholarship
 Vermillion, Robert, Francille, Harry, and Jon Endowed Scholarship
 Wagner, Amy Louise Endowed Scholarship
 Waits, Gene Endowed Scholarship
 Walker, Don and Jackie Endowed Scholarship
 Wallace, Patricia J. Aviation Scholarship
 Waterfield, R. Bruce and Robert D. Raab Scholarship
 Watson, Kim R. Endowed Scholarship in Education
 Watson, Kim R. President's Distinguished Endowed Scholarship
 Watson, Nate & Maxine Endowed Scholarship
 Wheeler, Mary Echo Endowed Scholarship
 White Endowed Scholarship
 White, Randall & Carol Excellence in Literacy Endowed Fellowship
 Wiggins, Lloyd L. Memorial Endowed Scholarship
 Wiggins, Kenneth & Margaret Aviation Endowed Scholarship
 Williams, John K. and Beverly D. Family Trust Scholarship
 Winter, Pauline Endowed Professional Scholarship
 Womack, Katie Memorial Scholarship
 Wyers, Dr. Mary Ellen Endowed Nursing Scholarship
 Wyers, Ruth Oteka Endowed Scholarship
 Xerox Corporation Endowed Scholarship
 Yasik, Christine Kunkel Endowed Scholarship

Watson Family Student Success Center Academic Advising

Academic advisement for undergraduate students is provided by the Watson Family Student Success Center, located in 106 Willard, in the College of Education, Health and Aviation. Students are assigned to an academic adviser in the Watson Family Student Success Center specializing in the student's declared major. Academic advisers confer with their advisees on such matters as vocational counseling, course selection, academic problems, long-range professional goals, and semester-by-semester enrollment.

The requirements for the degree being sought are made known to the student when he or she first enrolls 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.

Collegiate Success Program

The goal of the Collegiate Success Program is to assist students with their success in the classroom. This program individualizes assistance for those students who have been placed on academic probation. The Collegiate Success Program has three objectives which include:

- Assisting students in identifying individual strengths and needs.
- Assisting students in establishing academic goals based on those strengths and needs.
- Providing students with the skills necessary to succeed at the collegiate level.

Career Services

The College of Education, Health and Aviation has a career consultant available. The career consultant provides seminars and one-on-one advisement in career-related topics such as job search strategies, resume development, interviewing skills and career transitions. The services are available to undergraduate and graduate students and alumni. The career consultant also partners with many employers, including school districts, hospitals, non-profit organizations, and corporations, encouraging them to hire OSU graduates from the College of Education, Health and Aviation.

For more information logon to education.okstate.edu (<http://education.okstate.edu>).

Special Academic Programs

OSUTeach

The OSUTeach program is designed to recruit and train new secondary teachers in science and mathematics. OSUTeach offers four-year STEM degree options in biological science, chemistry, geology (earth science and/or physical science), mathematics and physics, which lead to teacher certification at the secondary level. OSUTeach is a collaboration between the College of Education, Health and Aviation and the College of Arts and Sciences. OSUTeach 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.

Bachelor of University Studies

The College of Education, Health and Aviation 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 advisers in selecting a specially-tailored program that ultimately leads to a degree.

The Honors College

Outstanding students in the College of Education, Health and Aviation 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, Health and Aviation sends an annual magazine to approximately 3,000 active members and communicate email news and announcements to alumni throughout the year. The Alumni Society Board provides professional support and an immediate network of professional contacts. The Alumni Association provides scholarships for students in the College of Education, Health and Aviation. The organization also sponsors a Homecoming reception and other welcome events for students and faculty gatherings.

General Education Requirements

All undergraduate degrees in the College of Education, Health and Aviation 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 Board of Education standards.

Departmental Clubs and Honor Societies

College of Education, Health and Aviation Student Ambassadors
 College of Education, Health and Aviation Graduate Student Association
 College of Education, Health and Aviation Student Council
 Educational Media and Technology Student Association
 Educational Psychology Student Society
 Elementary Educators of Tomorrow
 Flying Aggies
 Health Promotion Club
 Kappa Delta Pi (education honor society)
 Kappa Kappa Iota
 Omicron Tau Theta
 OSU National Science Teachers Association Student Chapter
 Phi Epsilon Kappa (health, physical education, recreation management and recreational therapy honor society)
 Physical Education Club
 Pre-Physical Therapy Club
 Rho Phi Lambda
 Recreation Management Club
 Recreational Therapy Majors Club
 School Psychology Graduate Student Organization
 Student Oklahoma Education Association

Education Outreach and International Studies

Education Outreach and International Studies work together to facilitate the delivery of EHA course work and academic programs. Consistent with the OSU mission and in conjunction with faculty and academic programs in the EHA, Education Outreach and International Studies 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 Education Outreach and International Studies are to reflect the expertise and promote the accomplishments of the College of Education, Health and Aviation faculty and staff and to foster activities and learning that develop faculty and students for multiple futures.

Specifically, these offices work to:

- facilitate campus-based degree credit which enables students to pursue their academic goals in ways that fit their schedule and personal situations;
- extend off-campus 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 a wide array of community development and cultural enrichment opportunities.

Academic Areas

- School of Community Health Sciences, Counseling and Counseling Psychology (p. 1474)
- School of Educational Foundations, Leadership and Aviation (p. 1483)
- School of Teaching, Learning and Educational Sciences (p. 1503)
- School of Kinesiology, Applied Health and Recreation (p. 1522)
- Professional Education Unit (p. 1538)

Undergraduate Programs

- Aerospace Administration and Operations: Aerospace Logistics, BS (p. 1493)
- Aerospace Administration and Operations: Aerospace Security, BS (p. 1494)
- Aerospace Administration and Operations: Aviation Management, BS (p. 1495)
- Aerospace Administration and Operations: Professional Pilot, BS (p. 1496)
- Aerospace Administration and Operations: Technical Service Management, BS (p. 1497)
- Applied Exercise Science: Pre-Professional, BS (p. 1524)
- Applied Exercise Science: Strength and Conditioning, BS (p. 1526)
- Career and Technical Education: Certification, BS (p. 1508)
- Career and Technical Education: Non-Certification, BS (p. 1510)
- Elementary Education, BS (p. 1512)
- Health Education and Promotion: Exercise and Health, BS (p. 1476)
- Health Education and Promotion: Public Health, BS (p. 1478)
- Nursing, BSN (RN to BSN) (p. 1480)
- Physical Education: Teacher Education, BS (p. 1529)
- Recreation Management and Recreational Therapy: Recreation Management, BS (p. 1531)

- Recreation Management and Recreational Therapy: Recreational Therapy, BS (p. 1533)
- Secondary Education: English, BS (p. 1514)
- Secondary Education: Foreign Language, BS (p. 1516)
- Secondary Education: Social Studies, BS (p. 1518)
- Sports and Coaching Science, BS (p. 1536)

Minors

- Aerospace Administration and Operations: Aerospace Security (AAAS), Minor (p. 1490)
- Aerospace Administration and Operations: Aviation Management (AAAM), Minor (p. 1491)
- Aerospace Administration and Operations: Professional Pilot (AAPP), Minor (p. 1492)
- Coaching Science (COAS), Minor (p. 1528)
- Creativity Studies (CRST), Minor (p. 1498)
- Leadership (LDRS), Minor (p. 1499)
- Learning and Motivation (LEMO), Minor (p. 1501)
- Multi-Tiered Systems of Instructional Support (MTSI), Minor (p. 1520)
- Pre-Counseling (PCOU), Minor (p. 1482)
- Public Health (PH), Minor (p. 1481)
- Recreation Management and Recreational Therapy (RMRT), Minor (p. 1535)
- Special Education (SPED), Minor (p. 1521)
- Unmanned Aircraft Pilot (UAP), Minor (p. 1502)

Certificates

- Career and Technical Education, Undergraduate Certificate (p. 1511)

Graduate Programs

- Applied Exercise Science, MS (p. 1523)
- Athletic Training, MS (p. 1523)
- Aviation and Space Education, EdD (p. 1485)
- Aviation and Space, MS (p. 1485)
- College Interdisciplinary, Ed (p. 1485)
- College Student Development, MS (p. 1485)
- Counseling Psychology, PhD (p. 1474)
- Curriculum and Leadership Studies, MS (p. 1504)
- Curriculum Studies, PhD (p. 1504)
- Educational Administration, EdS (p. 1485)
- Educational Administration, PhD (p. 1485)
- Educational Psychology, MS/PhD (p. 1485)
- Educational Research and Evaluation, MS (p. 1485)
- Educational Technology, MS (p. 1485)
- Educational Technology, PhD (p. 1485)
- Elementary, MA (p. 1504)
- Elementary/Middle/Secondary/PK-12, MS (p. 1504)
- Foreign Language, MA (p. 1504)
- Health Education and Promotion, PhD (p. 1523)
- Health Promotion, MS (p. 1523)
- Higher Education, EdD (p. 1485)
- Higher Education, MS (p. 1485)

- Higher Education, PhD (p. 1485)
- Leisure Studies, MS (p. 1523)
- Leisure Studies, PhD (p. 1523)
- Mathematics Education, PhD (p. 1504)
- Math/Science Education, MS (p. 1504)
- Mental Health Counseling, MS (p. 1474)
- Physical Education, MS (p. 1523)
- Professional Education Studies, PhD (p. 1504)
- Reading and Literacy, MS (p. 1504)
- Research and Evaluation, PhD (p. 1485)
- School Administration, EdD (p. 1504)
- School Administration, MS (p. 1504)
- School Counseling, MS (p. 1474)
- School Library Media, MS (p. 1504)
- School Psychology, EdS (p. 1504)
- School Psychology, PhD (p. 1504)
- School Psychometrics, MS (p. 1485)
- Science Education, PhD (p. 1504)
- Secondary Education for Teachers Non-Traditionally Cert, MS (p. 1504)
- Secondary English, MA (p. 1504)
- Secondary Mathematics, MA (p. 1504)
- Secondary Science, MA (p. 1504)
- Secondary Social Studies, MA (p. 1504)
- Social Foundations Education, PhD (p. 1485)
- Special Education, MS (p. 1504)
- Workforce and Adult Education, MS (p. 1504)
- Workforce and Adult Education, PhD (p. 1504)

School of Community Health Sciences, Counseling and Counseling Psychology

Dr. Julie M. Koch—School Head

The School of Community Health Sciences, Counseling and Counseling Psychology encompasses undergraduate and graduate academic programs in 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 health education and promotion are listed under the HLTH prefix. Courses in nursing are listed under the NURS prefix.

Health

Bridget M. Miller, PhD—Joan Donelson Jacques Endowed Professor of Health Promotion and Program Coordinator

The health education and promotion 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) Public 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

Mary Malaska, DNP, RNC, CNE—Assistant Professor and Director

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

Carrie Winterowd, PhD—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 educational psychology, with an option 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), Education Specialist (EdS), Doctor of Education (EdD) and Doctor of Philosophy (PhD).

Counseling/Counseling Psychology

- Mental Health Counseling - MS
- School Counseling - MS
- Counseling Psychology - PhD

Community Health Sciences

- Health Education and Promotion - BS
- Nursing - BSN

Health and Human Performance

- Health Education and Promotion - BS, MS, PhD

Undergraduate Programs

- Health Education and Promotion: Exercise and Health, BS (p. 1476)
- Health Education and Promotion: Public Health, BS (p. 1478)
- Nursing, BSN (RN to BSN) (p. 1480)
- Pre-Counseling (PCOU), Minor (p. 1482)
- Public Health (PH), Minor (p. 1481)

Graduate Programs

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 educational psychology with an option in counseling psychology.

Counseling Psychology

Mel Lantz, PhD—Assistant 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

Tonya R. Hammer, PhD—Associate 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 CACREP for national accreditation. Application materials for this program are due February 1st for the following summer or 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 February 1st for the following summer or fall enrollment.

Faculty

Julie M. Koch, PhD—Professor and Head

Professors: Hugh C. Crethar, PhD; Sue C. Jacobs, PhD; John S. C. Romans, PhD; Carrie Winterowd, PhD

Associate Professors: Tonya R. Hammer, PhD; Bridget M. Miller, PhD; Valerie McGaha, PhD

Clinical Associate Professor: Thomas R. Berry, PhD

Assistant Professors: Ho Han, PhD; Melanie Lantz, PhD; Carlos Mahaffey, PhD; Mary E.W. Malaska, PhD; Kelley E. Rhoads, PhD

Clinical Instructor: Alana K. Cluck, PhD

Health Education and Promotion: Exercise and Health, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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)		6
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
BIOL 1114	Introductory Biology (LN)	4
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)		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 2.75 with a minimum grade of "C" or "P" in each course		
EDUC 1111	First Year Seminar	1
BCOM 3113	Written Communication	3
ECON 1113	The Economics of Social Issues (S)	3
HHP 3114	Physiology of Exercise	4
MGMT 3013	Fundamentals of Management (S)	3
MKTG 3213	Marketing (S)	3

MSIS 2103 or EDTC 4113	Business Data Science Technologies Applications of Media and Technology	3
NSCI 2114	Principles of Human Nutrition (N)	4
BIOL 3204	Physiology	4

Hours Subtotal 28

Major Requirements

Minimum GPA of 2.75 with a minimum grade of "C" or "P" in each course

Select one of the following courses:

HHP 2654 or BIOL 3214	Applied Anatomy Human Anatomy	4
HHP 3223	Motor Learning	3
HHP 3663	Biomechanics	3
HLTH 2213	Principles in Health Education and Promotion	3
HLTH 2603	Total Wellness (S)	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 4533	Psychosocial Issues in Health Education/ Promotion	3
HLTH 4902	Pre-Internship Seminar	2
HLTH 4973	Program Design in Health Education and Promotion	3
HLTH 4990	Internship in Health Education and Promotion: Exercise and Health	12
Select one of the following:		3
HHP 4773	Principles of Exercise Testing and Prescription	
HLTH 3113	Health Issues in Diverse Populations (D)	
HLTH 3603	Understanding HIV (DS)	
HLTH 4783	Health Issues in Gerontology	
NSCI 4133	Nutrition for Exercise and Sport	

Hours Subtotal 51

Total Hours 120

Other Requirements

- 40 hours of upper-division course work.
- Required for enrollment in HLTH 4990 Internship in Health Education and Promotion: Exercise and Health
 - a. Documentation of current first aid/CPR certification and
 - b. 2.75 GPA in Major Requirements, 2.75 GPA in College/Departmental Requirements, & 2.75 Overall GPA.
- Required for graduation:
 - a. 2.75 Overall GPA;
 - b. 2.75 GPA in College/Departmental Requirements; and
 - c. 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 2025.

Health Education and Promotion: Public Health, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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)		6
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
BIOL 1114	Introductory Biology (LN)	4
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)		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 2.75 with a minimum grade of "C" or "P" in each course		
EDUC 1111	First Year Seminar	1
BCOM 3113	Written Communication	3
ECON 1113	The Economics of Social Issues (S)	3
HHP 3114	Physiology of Exercise	4
MGMT 3013	Fundamentals of Management (S)	3
MKTG 3213	Marketing (S)	3

MSIS 2103	Business Data Science Technologies	3
or EDTC 4113	Applications of Media and Technology	
NSCI 2114	Principles of Human Nutrition (N)	4
BIOL 3204	Physiology	4
Hours Subtotal		28
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	
HLTH 2213	Principles in Health Education and Promotion	3
HLTH 2603	Total Wellness (S)	3
HLTH 3613	Community Health	3
HLTH 3623	School Health Programs	3
HLTH 3643	Health Behavior Theory	3
HLTH 3723	Principles of Epidemiology	3
HLTH 3913	Alcohol and Drug Education	3
HLTH 4233	Health and Sexuality (DS)	3
HLTH 4533	Psychosocial Issues in Health Education/Promotion	3
HLTH 4880	Internship in Health Education and Promotion: Community Health (12 hours)	12
HLTH 4902	Pre-Internship Seminar	2
HLTH 4973	Program Design in Health Education and Promotion	3
Select 3 hours of the following:		3
HHP 4773	Principles of Exercise Testing and Prescription	
HLTH 3113	Health Issues in Diverse Populations (D)	
HLTH 3603	Understanding HIV (DS)	
HLTH 4783	Health Issues in Gerontology	
NSCI 3223	Nutrition Across the Life Span	
Hours Subtotal		51
Total Hours		120

Other Requirements

- 40 hours of upper-division course work.
- Required for enrollment in HLTH 4880 Internship in Health Education and Promotion: Community Health
 - a. Documentation of current first aid/CPR certification; and
 - b. 2.75 GPA in Major Requirements, 2.75 GPA in College/Departmental Requirements, & 2.75 Overall GPA.
- Required for graduation:
 - a. 2.75 Overall GPA;
 - b. 2.75 GPA in College/Departmental Requirements; and
 - c. 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 2025.

Nursing, BSN (RN to BSN)

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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 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)	
NSCI 2114	Principles of Human Nutrition (N)	4
<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		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		
EDUC 1111	First Year Seminar	1
MICR 2123	Introduction to Microbiology	5
& MICR 2132	and Introduction to Microbiology Laboratory	
STAT 2013	Elementary Statistics (A)	3
Select 4 hours Human Anatomy		4
Select 4 hours Physiology		4
Hours Subtotal		17

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 3034		4
NURS 4023	Trends and Issues in Nursing	3
NURS 4033		3
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 2025.

Public Health (PH), Minor

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

Bridget Miller, 427 Willard, 405-744-7680

Minimum Overall Grade Point Average: 2.50 with no grade below "C."

Total Hours: 18 hours

Code	Title	Hours
Minor Requirements		
HLTH 2213	Principles in Health Education and Promotion	3
HLTH 2603	Total Wellness (S)	3
HLTH 3613	Community Health	3
HLTH 3643	Health Behavior Theory	3
HLTH 4973	Program Design in Health Education and Promotion	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 Health Education/Promotion	
HLTH 4783	Health Issues in Gerontology	
NSCI 2114	Principles of Human Nutrition (N)	

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://stw.sp.okstate.edu/policies/Shared%20Documents/Requirements%20for%20Undergraduate%20and%20Graduate%20Minors.pdf>).

Pre-Counseling (PCOU), Minor

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

Julie Koch, Ph.D., (405) 744-6040

Minimum Overall Grade Point Average: 2.50 with no grade below "C" in all minor courses

Total Hours: 15 hours

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

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://stw.sp.okstate.edu/policies/Shared%20Documents/Requirements%20for%20Undergraduate%20and%20Graduate%20Minors.pdf>).

School of Educational Foundations, Leadership and Aviation

Kathy Curry, EdD—Associate Professor and Interim School Head
Chad Depperschmidt, PhD—Associate 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 Education Projects. Susan Stansberry, Associate Professor of Educational Technology, and Steve Marks, emeriti Aviation and Space faculty, are investigators 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. During year one (2017-18), NSPACE activities touched 182,000 students and 63,000 educators across 45 states plus Washington DC, Puerto Rico, and the US Virgin Islands. This past year, the NSPACE team implemented 11 separate activities involving hundreds of separate events, online sessions, face-to-face experiences, and conferences. Bringing International Space Station

(ISS) downlinks into classrooms; facilitating high school students' design, prototyping, and manufacturing of hard and soft 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 <http://education.okstate.edu/nasa>.

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 and accredited by Aviation Accreditation Board International (AABI).

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 Aviation Management option is accredited by Aviation Accreditation Board International (AABI).

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, 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.

OSU is an educator member of the Aviation Accreditation Board International (AABI). The AVED Program is also an institutional member of University Aviation Association (UAA). AVED website (<https://education.okstate.edu/aado>)

Educational Leadership

Ed Harris, PhD—Professor and Program Coordinator (School Administration)

Educational leadership emphasizes School Administration. 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 options 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. 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—Associate 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—Assistant Professor and Program Coordinator

Educational Psychology is concerned with all aspects of psychology pertaining to teaching and learning 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 **Ph.D.** 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 **M.S.** program is designed to help students develop the capabilities,

knowledge, skills and competencies that prepare them as effective professionals or attractive Ph.D. program applicants. EPSY website (<https://education.okstate.edu/epsy>)

Research, Evaluation, Measurement and Statistics

Jam Khojasteh, PhD—Assistant Professor and Program Coordinator

The research, evaluation, measurement and statistics program offers the MS and PhD degrees as options under the MS in Educational Psychology and the PhD in Educational Psychology. 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/remms>)

Higher Education and Student Affairs

Stephen P. Wanger, Ph.D.—Associate Professor and Program Coordinator

The Higher Education and Student Affairs (HESA) program features three distinct academic degrees. These include the Ph.D. in Educational Leadership and Policy Studies, with an option in Higher Education and the M.S. in Educational Leadership and Policy Studies with options in Higher Education and College Student Development. The PhD is a research-based degree 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 Education – EdD

Educational Leadership

- Educational Leadership Studies/School Administration – MS
- Education/Educational Administration - EdS
- School Administration - EdD
- Educational Leadership and Policy Studies/Educational Administration – PhD

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

Undergraduate Programs

- Aerospace Administration and Operations: Aerospace Logistics, BS (p. 1493)

- Aerospace Administration and Operations: Aerospace Security, BS (p. 1494)
- Aerospace Administration and Operations: Aviation Management, BS (p. 1495)
- Aerospace Administration and Operations: Professional Pilot, BS (p. 1496)
- Aerospace Administration and Operations: Technical Service Management, BS (p. 1497)
- Aerospace Administration and Operations: Aerospace Security (AAAS), Minor (p. 1490)
- Aerospace Administration and Operations: Aviation Management (AAAM), Minor (p. 1491)
- Aerospace Administration and Operations: Professional Pilot (AAPP), Minor (p. 1492)
- Creativity Studies (CRST), Minor (p. 1498)
- Leadership (LDRS), Minor (p. 1499)
- Learning and Motivation (LEMO), Minor (p. 1501)
- Unmanned Aircraft Pilot (UAP), Minor (p. 1502)

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 finance and economics, labor relations in aviation/aerospace, issues in the airline industry, 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. All MS students must complete coursework from research, core requirements, program emphasis, and elective courses to total 33 hours. At least 21 hours must be completed at the graduate level (5000 or above) and no pass/fail courses may be used. 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 Education emphasizes aviation leadership and executive development, administration of aviation institutions, aviation law, air carrier 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/vita. 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 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 [FLYOSU.okstate.edu](http://flyosu.okstate.edu) (<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

M.S. in Educational Leadership with a specialization in School Administration: To be considered for admission to the M.S. 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 appropriate recommendations (3), the required essays, and a recent Miller Analogies Test (MAT) or Graduate Record Exam (GRE) score. Students currently enrolled in the program have an average MAT score of 57/410 or GRE scores of Verbal 149 (437) and Quantitative 145 (541). Applicants may be asked to complete an interview with program faculty. Applications for the M.S. 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.

EdD in Educational Leadership with a Specialization in School Administration

To be considered for admission to the Ed.D. 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, 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 Ed.D. 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 Ph.D. program in Educational Administration must provide a current academic vita/resume, 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 for exams taken on or after Aug. 1, 2011. For exams taken prior to Aug. 1, 2011, expected minimum scores are Verbal - 500, Quantitative - 610, 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 Ph.D. requires a one-year residency of at least nine hours for two semesters during coursework completion. Review of applications for doctoral programs will begin after March 15, the deadline for submission of all application materials; all materials must be received by the COE Graduate Studies office on or before the application deadline. 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 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 adviser 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 for faculty review.

Minimum Background Requirements

Ed.S. 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—Associate 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/Educational Technology

For those seeking a doctoral-level degree emphasizing educational technology, we offer the PhD in Education with an option in Educational 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 Educational 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://education.okstate.edu/site-files/docs/epsy/epsy_handbook_1819.pdf. 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 <http://education.okstate.edu/graduatestudies/phd>.

Research, Evaluation, Measurement and Statistics (REMS)

Jam Khojasteh, PhD—Assistant Professor and Program Coordinator

The research, evaluation, measurement and statistics program offers MS and PhD degrees. 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 Educational Psychology/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 Educational Psychology/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.

Admission Requirements

For both the masters and PhD programs, admissions decisions are competitive and based on a combination of multiple criteria. Criteria for admission to the master's program include an undergraduate GPA of at least 2.75; Miller Analogy Test (MAT) or Graduate Record Exam (GRE); 3 positive letters of reference (preferably from previous instructors or employers); and evidence of potential for professional development (e.g., proof of written work). For the doctoral program, admissions criteria include telephone or personal interview, GRE scores, undergraduate and master's GPA, four positive letters of reference on SES forms, relevant experience, statement of career goals, and evidence of potential for professional development (e.g., proof of written work). Students considering admission to the doctoral program must have a master's degree from an accredited institution. Doctoral applicants should have an undergraduate GPA of at least 2.50 and a graduate GPA of at least 3.50.

Application Procedures

Applicants must submit a Graduate Application for Admission form, the required number of positive letters of recommendation (three for master's, four for doctoral), a signed Confidentiality of Reference form, official score report for required tests (GRE or MAT for master's, GRE for doctoral), two official transcripts from each institution attended, Statement of Purpose and the Graduate College application fee. International applicants must include TOEFL scores and a signed Confirmation of Resources form. Completed applications are reviewed as they are received.

Higher Education and Student Affairs (HESA)

Stephen P. Wanger, PhD—Associate Professor and Program Coordinator

MS in Educational Leadership/Higher Education

To be considered for admission to the Master's program with a specialization in Higher Education, applicants are expected to have an earned baccalaureate degree with at least a 3.00 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 essay, current academic vita or resume, critical issue essay, appropriate recommendations, and recent Graduate Record Exam (GRE) scores or Millers Analogy Test (MAT) scores. Students currently enrolled in the program have an average MAT scores of 57/410 or GRE scores of Verbal 149 (437) and Quantitative 145 (541). Applicants may be asked to complete an interview with program faculty. Applications to all HESA Master's programs are accepted on a rolling basis. 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 a specialization in College Student Development, applicants are expected to have an earned baccalaureate degree with at least a 3.00 GPA (on a 4.00 scale) and career goals that match program learning objectives. Applicants must provide a personal statement, current resume or academic vita, appropriate recommendations, and a recent Graduate Record Exam (GRE) or Miller's Analogy Test (MAT) scores. Students currently enrolled in the program have an average MAT score of 57/410 or GRE scores of Verbal 149 (437) and Quantitative 145 (541). 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 in the College Student Development program, please submit all materials by January 15. 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 Ph.D. program in Higher Education must provide a current academic vita/resume, a career objective essay, three letters of recommendation, a critical issue essay, two examples of written work, and either GRE (Graduate Record Exam) or MAT (Miller Analogy Test) scores. Students currently enrolled in the program have an average GRE score of Verbal - 153, Quantitative - 149, and Writing - 4.5 for exams taken on or after Aug. 1, 2011. Students currently enrolled in the program have an average MAT scores of 57/410. GRE 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 Ph.D. requires a one-year research experience completed simultaneously with late-stage 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 Administration program, course requirements, other pertinent information, and an electronic copy

of the application packet, can be found at <http://education.okstate.edu/hesa>.

The MS in Educational Leadership is offered with an option in College Student Development for individuals who desire a career in student services. Applications (<http://education.okstate.edu/hesa/application>) are accepted on a rolling basis; however, preference for graduate assistantship positions will be given to those candidates who submit completed applications by February 1.

Applications for all degree programs can be found on the EHA Graduate Studies website at <http://education.okstate.edu/graduatestudies>.

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 M.A. 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. 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.

Faculty

Kathy Curry, EdD—Associate Professor and Interim School Head

Professors: Timm Bliss, EdD; Edward Harris, PhD; Guoping Zhao, PhD
Associate Professors: Lucy Bailey, PhD; Laura Barnes, PhD; Denise Blum, PhD; Katherine Curry, EdD; Chad Depperschmidt, EdD; Kerri Kearney, EdD; Jon Loffi, EdD; Tami Moore, PhD; Mwarumba Mwavita, PhD; Susan Stansberry, PhD; Penny Thompson, PhD; Steven Wanger, PhD
Assistant Professors: Tataleni Asino, PhD; Benjamin Bindewald, PhD; Mallory Casebolt, PhD; Ki Lynn Cole, PhD; Jam Khojasteh, PhD; Kalianne Neumann, PhD; Matt Vance, PhD; Jane Vogler-Cragun, PhD; Mike Yough, PhD

Teaching Assistant Professor: Kathryn Gardner-Vandy, EdD

Manager, Aviation: Lance Fortney, MS

Chief Flight Instructors: Mark Uhlman, EdD; and Jared Dunlap

Aerospace Administration and Operations: Aerospace Security (AAAS), Minor

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

Education Student Academic Services, 106 Willard, 405-744-6350

Minimum Overall Grade Point Average: 2.50 with no grade below "C."

Total Hours: 24 hours

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	

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://stw.sp.okstate.edu/policies/Shared%20Documents/Requirements%20for%20Undergraduate%20and%20Graduate%20Minors.pdf>).

Aerospace Administration and Operations: Aviation Management (AAAM), Minor

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

Education Student Academic Services, 106 Willard, 405-744-6350

Minimum Overall Grade Point Average: 2.50 with no grade below "C."

Total Hours: 27 hours

Code	Title	Hours
Minor Requirements		
AVED 2113	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

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://stw.sp.okstate.edu/policies/Shared%20Documents/Requirements%20for%20Undergraduate%20and%20Graduate%20Minors.pdf>).

Aerospace Administration and Operations: Professional Pilot (AAPP), Minor

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

Education Student Academic Services, 106 Willard, 405-744-6350

Minimum Overall Grade Point Average: 2.50 with no grade below "C."

Total Hours: 26 hours

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

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://stw.sp.okstate.edu/policies/Shared%20Documents/Requirements%20for%20Undergraduate%20and%20Graduate%20Minors.pdf>).

Aerospace Administration and Operations: Aerospace Logistics, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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

EDUC 1111	First Year Seminar	1
Select 15 hours		15
Recommended Courses:		
ACCT 2103	Financial Accounting	
AVED 1114	Theory of Flight	
AVED 4100	Specialized Studies in Aviation	
AVED 4200	Internship in Aviation	
ECON 2203	Introduction to Macroeconomics	
MSIS 2103	Business Data Science Technologies	
MSIS 2203	Computer Programming for Business	

Hours Subtotal		16
Major Requirements		
Minimum GPA 2.50 with a minimum grade of "C" in each course		
AVED 2113	History of Aviation	3
AVED 3433	Aviation/Aerospace Ethics	3
AVED 3453	Aviation/Aerospace Security Issues	3
AVED 3513	Aviation/Aerospace Management Principles	3
AVED 3573	Aviation/Aerospace Finance	3
AVED 3663	Aerospace and Air Carrier Industry	3
AVED 3883	Space Flight	3
AVED 4103	Aerospace Distribution, Warehousing and Transportation	3
AVED 4123	Aerospace Depot Maintenance	3
AVED 4143	Government Operations and Interfaces in Aerospace Management	3
AVED 4153	Aerospace Sustainment	3
AVED 4163	FAA and Aerospace Logistics Regulations and Requirements	3
AVED 4173	Aerospace Logistics Quality Programs	3
AVED 4193	Aerospace Human Resource Management and Aerospace Workforce Acquisition	3
AVED 4653	International Aerospace Issues (I)	3
AVED 4663	Aerospace Leadership	3
AVED 4813	Air Transportation Compliance	3
AVED 4983	Aerospace Industry Hazardous Materials or Dangerous Goods	3
AVED 4993	Aviation Labor Relations	3
Select 7 hours from the following areas:		7
Supply Chain Management		
Basic Engineering for Logistics		
Small Business Operations		
Procurement & Supplies Management (contracting)		
Hours Subtotal		64
Total Hours		120

Other Requirements

- 40 hours of upper-division course work.
- 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 2025.

Aerospace Administration and Operations: Aerospace Security, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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		
EDUC 1111	First Year Seminar	1
Select 19 hours		19
Recommended Courses:		
ACCT 2103	Financial 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 2113	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 course work.
- 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 2025.

Aerospace Administration and Operations: Aviation Management, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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		
EDUC 1111	First Year Seminar	1
Select 19 hours		19
Recommended Courses:		
ACCT 2003	Survey of Accounting	
ACCT 2103	Financial 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 2113	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 course work.
- 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 2025.

Aerospace Administration and Operations: Professional Pilot, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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
<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		
EDUC 1111	First Year Seminar	1
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		7
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
AVED 1232	Private Flight Laboratory II	2
AVED 1403	Advanced Theory of Flight	3
AVED 2113	History of Aviation	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 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
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		120

Other Requirements

- 40 hours of upper-division course work.
- 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 2025.

Aerospace Administration and Operations: Technical Service Management, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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		
EDUC 1111	First Year Seminar	1
Select 16 hours		16
Recommended Courses:		
AVED 1114	Theory of Flight	
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 2113	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 course work in Aviation Science		24
Hours Subtotal		63
Total Hours		120

Other Requirements

- 40 hours of upper-division course work.
- 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 2025.

Creativity Studies (CRST), Minor

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

Education Student Academic Services, 106 Willard, 405-744-6350

Minimum Overall Grade Point Average: 2.50 with no grade below "C."

Total Hours: 18 hours

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	
DHM 2003	Problem Solving Strategies	
EEE 1010	Creativity, Innovation and Entrepreneurship	
EEE 1020	Creativity, Innovation and Entrepreneurship II	
EEE 4010	Special Topics in Entrepreneurship	
HDFS 2233	Development of Creative Expression, Play and Motor Skills in Early Childhood	
PHIL 4113	Philosophy and the Arts (H)	

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://stw.sp.okstate.edu/policies/Shared%20Documents/Requirements%20for%20Undergraduate%20and%20Graduate%20Minors.pdf>).

Leadership (LDRS), Minor

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

Kerri Kearney, kerri.kearney@okstate.edu, 405-513-2043

Minimum Overall Grade Point Average: 2.50 with no grade below "C"

Total Hours: 18 hours

Code	Title	Hours
Minor Requirements		
HESA 2513	Foundations of Ethical Leadership	3
HESA 3113	Civic Leadership	3
HESA 4513	Ethical Leadership for the Common Good	3
HESA 4910	Leadership in Practice	3
Select 6 hours from:		6
AGLE 2403	Agricultural Leadership in a Multicultural Society (DS)	
AGLE 3403	Facilitating Social Change in Agriculture	
AGLE 3503	Introduction to Cooperative Extension	
AGLE 4303	Facilitating Leadership Education Programs	
AGLE 4803	International Agricultural Leadership Tour	
AMIS 4013	American Indian Sovereignty (D)	
AMST 3253	Globalization and American Culture (H)	
AMST 4553	Gender in America (DH)	
AMST 4593	America in International Perspective (H)	
ANTH 4883	Comparative Cultures (IS)	
AVED 4663	Aerospace Leadership	
AVED 4703	Crew Resource Management	
AVED 4993	Aviation Labor Relations	
CIVE 4273	Construction Engineering and Project Management	
CPSY 4443	Cultural Diversity in Professional Life (D)	
CS 4883	Social Issues in Computing	
DIVR 2003	Inclusion Leadership (DS)	
DIVR 2323	Diversity and Inclusion in 21st Century America (DS)	
EET 4833	Industrial Project Design I	
EET 4843	Industrial Project Design II	
FPST 2153	Fire Protection Management	
GEOG 3213	Geographies of New Media (H)	
GEOG 3713	Exploring North America and Diversity (DS)	
HDFS 2453	Management of Human Service Programs	
HDFS 3423	Adolescent Development in Family Contexts (S)	
HDFS 3443	Family Dynamics	
HESA 3013	Leadership Concepts (S)	
HESA 3910	Current Issues in Leadership	
IEM 4623	Supply Chain Management	
IEM 4931	Industrial Engineering and Management Seminar	
MGMT 4011	Crucial Interactions	

MGMT 4031	Leading Organizational Change
MGMT 4051	Creating Ethical Work Places
MGMT 4061	Managing Confrontations
MGMT 4693	International Human Resource Management
MSIS 3223	Principles of Data Analytics
MSIS 4273	Legal and Ethical Issues in Information Systems
MSIS 4943	Decision-Making Tools for Sports Management
NSCI 4573	Management in Dietetics
PHIL 3803	Business Ethics (H)
PHIL 3823	Engineering Ethics
PHIL 3833	Biomedical Ethics (H)
PHIL 4553	Contemporary Ethical Theory
POLS 2033	Introduction to Public Administration
POLS 3353	Political Parties
POLS 3443	Pol Campaigns And Candidacy
POLS 3953	Minorities in the American Political System (DS)
POLS 3973	Race, Politics and Sports (D)
POLS 4223	Social Movements
POLS 4403	Urban Politics and Management
POLS 4413	Government Budgeting
POLS 4453	Public Personnel Administration
POLS 4573	Democratic Theory
POLS 4623	Oklahoma Politics (S)
POLS 4693	Gender and Politics
PSYC 2313	Psychology of Adjustment
PSYC 3013	Psychology of Motivation
PSYC 3413	Psychology of Social Behaviors
PSYC 4213	Conflict Resolution (S)
PSYC 4223	Decision Making and Problem Solving
SC 3383	Strategic Communications Management and Strategies
SC 3463	Event Planning and Communication
SCFD 3223	Role of Teacher in American Schools (D)
SMED 4013	Classroom Interactions
SOC 2123	Social Problems (DS)
SOC 3133	Racial and Ethnic Relations (DS)
SOC 3323	Collective Behavior and Social Movements
TH 4953	Directing

Other courses considered on an individual basis, using the Evaluation Criteria for Electives published by HESA Faculty and the co-coordinators of the Leadership Minor

Other Requirements

Mentoring Experience

- As part of HESA 3113 Civic Leadership or subsequent course per professional goals and learning objectives articulated in HESA 2513 Foundations of Ethical Leadership, each student will be matched with a leadership mentor identified from a pool of OSU alumni and friends with established leadership experience in relevant area. The

mentoring experience will continue through remaining course in the minor.

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://stw.sp.okstate.edu/policies/Shared%20Documents/Requirements%20for%20Undergraduate%20and%20Graduate%20Minors.pdf>).

Learning and Motivation (LEMO), Minor

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

Education Student Academic Services, 106 Willard, 405-744-6350

Minimum Overall Grade Point Average: 3.0 with no grade below "C."

Total Hours: 18 hours

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)	

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://stw.sp.okstate.edu/policies/Shared%20Documents/Requirements%20for%20Undergraduate%20and%20Graduate%20Minors.pdf>).

Unmanned Aircraft Pilot (UAP), Minor

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

Education Student Academic Services, 106 Willard, 405-744-6350

Minimum Overall Grade Point Average: 2.50 with no grade below "C."

Total Hours: 17 hours

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 2213	Theory of Instrument Flight	3
AVED 4713	Unmanned Aircraft Pilot Laboratory	3
MAE 4010	Mechanical and Aerospace Engineering Projects	3

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://stw.sp.okstate.edu/policies/Shared%20Documents/Requirements%20for%20Undergraduate%20and%20Graduate%20Minors.pdf>).

School of Teaching, Learning and Educational Sciences

Jennifer Sanders, PhD—Associate Professor and School Head

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, career and technical/workforce and adult 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 CTED (Career and Technical Education), GTED (Gifted and Talented Education), SPED (Special Education), SMED (Science/Mathematics Education), SPSY (School Psychology), and WAED (Workforce and Adult Education).

Undergraduate Programs

- Jill Metzger, MS—Clinical Instructor and Elementary Education Coordinator
- Gayla Foster, PhD—Clinical Associate Professor and Secondary Education Coordinator
- Starla Halcomb—Clinical Assistant Professor and Career and Technical Education Program Coordinator

The School offers undergraduate degrees in elementary, secondary, and K-12 education, and career and technical 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 students work in diverse school settings and demonstrate and strengthen their pedagogical knowledge. This degree is offered on both the Stillwater and Tulsa campuses. Stillwater students can apply to the ExCEL experience, providing site-based coursework in Stillwater elementary schools for the final two semesters of enrollment. The culminating clinical internship placement opportunities include placement in accredited schools in Stillwater and the surrounding area or international placement. All students complete

a Professional Portfolio with three separate submissions. It should be noted that all previous coursework must be successfully completed prior to participation in the final two semesters. Oklahoma certification also mandates 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 6-12 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 OSU Teach program. Students complete a Professional Portfolio with three separate submissions. Oklahoma certification also mandates the Certification Examinations for Oklahoma Educators.

The Bachelor of Science in Career and Technical Education (CTED) is a non-certification option for students interested in adult career and technical education. Students are prepared to become instructional personnel for technical programs in community colleges, technical institutes and industry. Graduates with this option also accept technical employment of various types in business, industry and government. Qualified students from pre-professional programs can be accepted with advanced standing. In addition, students desiring to prepare for careers in technical education may enter the program directly from high school and complete their technical major requirements at OSU.

Programs/Areas of Emphasis Degrees

Degrees offered through STLES programs include Bachelor of Science (BS), Master of Arts in Teaching (MATT), Master of Science (MS), Education Specialist (EdS), and Doctor of Philosophy (PhD).

Career and Technical Education

- Career and Technical Education - Non-Certification - BS
- Workforce and Adult Education - MS
- PhD in Education/Workforce and Adult Education - PhD

Elementary Education

- Elementary Education - BS, MATT

Secondary Education

- Secondary Education
 - English - BS
 - Social Studies - BS
 - Foreign Language - BS
- Teaching
 - Secondary Mathematics - MATT
 - Secondary Science - MATT

Teaching, Learning, and Leadership

- College Teaching - GRCT
- Curriculum and Leadership Studies - MS
- Elementary, Middle, Secondary Education, or K-12 - MS
- Math/Science Education - MS
- Reading/Literacy - MS

- Special Education - MS
- Workforce and Adult Education - MS

PhD in Education

- Curriculum Studies - MS, PhD
- Language, Literacy, and Culture - PhD
- Mathematics Education - PhD
- Science Education - PhD
- Special Education - PhD

School Psychology

- School Psychology - EdS, PhD

Undergraduate Programs

- Career and Technical Education: Certification, BS (p. 1508)
- Career and Technical Education: Non-Certification, BS (p. 1510)
- Elementary Education, BS (p. 1512)
- Secondary Education: English, BS (p. 1514)
- Secondary Education: Foreign Language, BS (p. 1516)
- Secondary Education: Social Studies, BS (p. 1518)
- Multi-Tiered Systems of Instructional Support (MTSI), Minor (p. 1520)
- Special Education (SPED), Minor (p. 1521)

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)

Donita Shaw, 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 *Elementary, Middle, Secondary, or K-12* option (EMSK12) 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 *Gifted and Talented Education* option is designed to broaden understandings of giftedness and showcase evidence-based curriculum and instruction. The option is designed to develop practitioners who have the skills to advocate for the needs of gifted and talented students and who will place a focus on the development of quality gifted programming. Courses are offered primarily on the Tulsa campus in a cohort model. Students who complete the coursework requirements can be recommended to the Oklahoma State Department of Education for P-12 Gifted Specialist certification.

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. The option is also delivered in a "bootcamp" format on the Tulsa campus with new cohort groups admitted to a set sequence of classes designed for degree completion in four semesters. 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.

The *Workforce and Adult Education* option is flexible in content coverage, offering coursework appropriate for a wide range of people, including Career Tech educators, technical educators and other personnel in higher

education, career and occupational counselors, adult trainers in business and industry, and workforce development professionals from all fields. Courses are offered using a variety of delivery options, including evening face-to-face classes, two-way video broadcast, online and weekends. Many classes are offered on both the Stillwater and Tulsa campuses.

Master of Arts in Teaching (MATT)

Jennifer Cribbs, PhD – Associate Professor and MAT Degree Coordinator

The school offers a Masters of Arts in Teaching degree with options in Elementary Education (grades 1-8), Secondary Mathematics (grades 6-12), and Secondary Science (grades 6-12). The purpose of the Master of Arts in Teaching program are to provide high-quality instruction to graduate students who are seeking to continue their education and seeking initial teaching certification. The objectives are to develop elementary, secondary and PK-12 teachers' understanding of the roles and responsibilities of teachers and manage a diverse classroom, ability to design and implement curriculum that addresses the needs of students with special needs and linguistically/culturally diverse students, understanding of a variety of instructional and assessment strategies to meet diverse learners' needs, and confidence in abilities to teach in PK-12 classroom through high-quality field experiences. Extensive specialization coursework is offered in each discipline area and the program culminates with a full 15-week clinical internship (student teaching) experience through which students work in diverse school settings and demonstrate and strengthen their pedagogical knowledge. Additionally, students participate in at least 60 hours of field experience prior to student teaching. All students complete a Professional Portfolio with three separate submissions. It should be noted that all previous coursework must be successfully completed prior to participation in the final semester. Oklahoma certification also mandates the Certification Examinations for Oklahoma Educators.

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

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.

Education Specialist (EdS) in School Psychology

Brian Poncy, PhD—Associate 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.

Faculty

Jennifer Sanders, PhD, Associate Professor—School Head

Professors: Gary Duhon, PhD; Pamela Fry, PhD; Christine Ormsbee, PhD; Terry Stinnett, PhD; Juliana Utley, PhD; Hongyu Wang, PhD; Qiuying Wang, PhD; Shelbie Witte, PhD; Virginia Worley, PhD

Associate Professors: Julie Angle, PhD; Toni Ivey, PhD; M. Sue Christian Parsons, PhD; Brian Poncy, PhD; Jennifer Sanders, PhD; Adrienne Redmond-Sanogo, PhD; Donita Massengill Shaw, PhD; Sheri Vasinda, PhD; Georgette Yetter, PhD

Assistant Professors: Penny Cantley, PhD; Adam Crawley, PhD; Jennifer Cribbs, PhD; Sarah Donovan, PhD; Erin Dyke, PhD; Ryan Farmer, PhD; Candace Gann, PhD; Stephanie Hathcock, PhD; Shanedra Nowell, PhD; Jon Smythe, PhD; Joe Terantino, PhD; Karen Zwanch, PhD

Clinical Associate Professors: Gayla Foster, PhD

Clinical Assistant Professors: Starla Halcomb, PhD; Claudia Otto, PhD

Clinical Instructors: Jill Metzger, MS; Amy Olson, MS; John Weaver, MS

Career and Technical Education: Certification, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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		
Course designated (N) and one (L)		8
<i>Social & Behavioral Sciences (S)</i>		
PSYC 1113	Introductory Psychology (S)	3
or SOC 1113	Introductory Sociology (S)	
Select one of the following:		3
GEOG 1113	Introduction to Cultural Geography (IS)	
GEOG 1713	World Regional Geography (IS)	
or GLST 1713	World Regional Geography (IS)	
<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		
Select one of the following options:		12
<i>Marketing Education</i>		
MKTG 4553	International Marketing	
Select 9 hours of electives (3 hours may need to be foreign language)		

All other options

Select 12 hours of electives (3 hours may need to be foreign language)		
Hours Subtotal		12
Major Requirements		
<i>Core Requirements (18 hours)</i>		
Minimum GPA 2.50 with a minimum grade of "C" or "P" in each course		
CTED 4413	Career and Technical Education Practicum I	3
CTED 4343	Occupational Analysis and Curriculum Development	3
CTED 4673	Current Issues in Career and Technical Education	3
CTED 4683	Legal Issues in Career and Technical Education	3
CTED 4123	Coordinating Career and Technical Student Organizations and Activities	3
CTED 4213	Safety, Organization and Management of Learning Facilities	3
Select one option (p. 1508)		24
Hours Subtotal		42
Professional Core Requirements		
Minimum GPA 2.50 with a minimum grade of "C" or "P" in each course		
CTED 3203	Foundations of Career and Technical Education	3
CTED 4103	Instructional Procedures in Career and Technical Education	3
SPED 3202	Educating Exceptional Learners (D)	2
EPSY 3213	Psychology of Adolescence	3
CTED 3903	Seminar in Professional Education	3
Full admission required:		
CTED 4113	Career and Technical Education in American Society	3
CTED 4313	Computers and Multimedia in Career and Technology Education	3
CTED 4470	Teaching Practicum in Career and Technical Education II	9
Hours Subtotal		29
Total Hours		124

Options

Occupational Experience Option

Code	Title	Hours
CTED 3000	Occupational Experience	24
Successful completion of the NOCTI Exam (grade of "P"), or other approved examination		

Business and Information Technology Option

Code	Title	Hours
ACCT 2103	Financial Accounting	3
ACCT 2203	Managerial Accounting	3
ECON 2103	Introduction to Microeconomics (S)	3
ECON 2203	Introduction to Macroeconomics	3

MGMT 3013	Fundamentals of Management (S)	3
MKTG 3213	Marketing (S)	3
Select Technology Courses		6
Recommended Courses:		
CS 1003	Computer Proficiency	
MSIS 2103	Business Data Science Technologies	

Health Occupation Education Option

Code	Title	Hours
HHP 4643	School Health and Safety for Physical Educators	3
HHP 4723	Assessment in Physical Education	3
HLTH 2213	Principles in Health Education and Promotion	3
HLTH 3913	Alcohol and Drug Education	3
HLTH 2603	Total Wellness (S)	3
HLTH 3613	Community Health	3
HLTH 3623	School Health Programs	3
HLTH 4973	Program Design in Health Education and Promotion	3

Technical & Industrial Education Option

See NOCTI information above or the transfer of approved technical work in a teaching area.

Other Requirements

- 40 hours of upper-division course work.
- Required for graduation and recommendation for Standard Certification:
 - a. 2.50 Overall GPA;
 - b. 2.50 GPA in Major Requirements; 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.

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 2025.

Career and Technical Education: Non-Certification, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

Minimum Overall Grade Point Average: 2.00

Total Hours: 124

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (p. 845)		
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		
Course designated (N) and one (L)		8
<i>Social & Behavioral Sciences (S)</i>		
PSYC 1113 or SOC 1113	Introductory Psychology (S) Introductory Sociology (S)	3
Select one of the following:		3
GEOG 1113	Introduction to Cultural Geography (IS)	
GEOG 1713 or GLST 1713	World Regional Geography (IS) World Regional Geography (IS)	
<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		
Major Requirements		
Minimum GPA 2.00 with a minimum grade of "C" or "P" in each course		
Hours Subtotal		83
Total Hours		124

Code	Title	Hours
29 hours of technical coursework selected in consultation with advisor. (6 hrs. may need to be from a senior college)		29
CTED 4010	Career and Technical Education Workshop	
CTED 4110	Career & Technical Information	
Select 24 hours of upper division coursework ¹		24
CTED 3203	Foundations of Career and Technical Education	3
CTED 4103	Instructional Procedures in Career and Technical Education	3
CTED 4213	Safety, Organization and Management of Learning Facilities	3
CTED 4313	Computers and Multimedia in Career and Technology Education	3
CTED 4413	Career and Technical Education Practicum I	3
CTED 4343	Occupational Analysis and Curriculum Development	3
CTED 4673	Current Issues in Career and Technical Education	3
CTED 4683	Legal Issues in Career and Technical Education	3

¹ CTED 3000 Occupational Experience may be earned through successful passing of NOCTI examination or the holding of current recognized industrial credentials.

Other Requirements

- 40 hours of upper-division course work.
- A 2.00 Overall GPA with a minimum grade of "C" or "P" in each course is required in the 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 2025.

Career and Technical Education, Undergraduate Certificate

Total Hours: 15 Hours.

Code	Title	Hours
Select 15 hours from the following:		15
CTED 3203	Foundations of Career and Technical Education	
CTED 4010	Career and Technical Education Workshop	
CTED 4103	Instructional Procedures in Career and Technical Education	
CTED 4110	Career & Technical Information	
CTED 4123	Coordinating Career and Technical Student Organizations and Activities	
CTED 4213	Safety, Organization and Management of Learning Facilities	
CTED 4343	Occupational Analysis and Curriculum Development	
CTED 4673	Current Issues in Career and Technical Education	
CTED 4683	Legal Issues in Career and Technical Education	
Total Hours		15

Elementary Education, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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 6 hours of the following courses*:		6
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	Conversations in 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)	
MUSI 2573	Introduction to Music (H)	
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course*		
BIOL 1114	Introductory Biology (LN)	4
CHEM 1014	Chemistry In Civilization (LN)	4
or PHYS 1014	Descriptive Physics (N)	
Select one of the following courses*:		4
GEOG 1114	Physical Geography (LN)	

GEOL 1014	Geology and Human Affairs (LN)	
GEOL 1114	Physical Geography (LN)	
<i>Social & Behavioral Sciences (S) courses*</i>		
GEOG 1113	Introduction to Cultural Geography (IS)	3
or GEOG 1713	World Regional Geography (IS)	
or GLST 1713	World Regional Geography (IS)	
PSYC 1113	Introductory Psychology (S)	3
or SOC 1113	Introductory Sociology (S)	
<i>Additional General Education</i>		
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		45
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		
EDUC 1111	First Year Seminar	1
Select 10 hours of electives (3 hours may need to be foreign language)		10
Hours Subtotal		11
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 (Students must pass the Oklahoma Reading Test to receive a passing grade)	3
HLTH 2603	Total Wellness (S)	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
Taken as a block semester prior to student teaching:		
CIED 3430	Early Lab and Clinical Experience in Elementary Education II ¹	1
CIED 4323	Social Studies in the Elementary School Curriculum ¹	3
CIED 4362	Design and Management of the Elementary School Classroom ¹	2
CIED 4073	Elementary School Curriculum Design and Development ¹	3
SMED 4153	Teaching Mathematics at the Intermediate Level ¹	3

SMED 4353	Science in the Elementary School Curriculum ¹	3
Hours Subtotal		42
Professional Core Requirements		
Minimum GPA 2.75 with a minimum grade of "C" or "P" in each course		
CIED 2450	Early Lab and Clinical Experience in Elementary Education I (1 hour)	1
CIED 3622	Middle Level Education	2
EDTC 3123	Applications of Educational Technologies	3
EPSY 3113	Psychological Foundations of Childhood	3
SCFD 3223	Role of Teacher in American Schools (D)	3
SPED 3202	Educating Exceptional Learners (D)	2
<i>Student Teaching Block</i>		
CIED 4453	Senior Seminar in Elementary Education ¹	3
CIED 4450	Internship in Elementary Education ¹	9
Hours Subtotal		26
Total Hours		124

¹ Full admission to Professional Education required.

Other Requirements

- 40 hours of upper-division course work. 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.

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 2025.

Secondary Education: English, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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 Nonwestern Traditions (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		
EDUC 1111	First Year Seminar	1

Select 5 hours of electives		5
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		
EDUC 4110	Professional Education Seminar (Teaching Culturally & Linguistically Diverse 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 4093	Teaching Grammar in the Secondary Schools	3
CIED 4193	Teaching Writing in the Secondary Schools	3
CIED 4313	Young Adult Literature	3
CIED 4473	Reading for the Secondary Teacher ²	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		39
Total Hours		124

- ¹ Minimum GPA 2.75 required in combination with Major Requirements. Certification requirements that meet GE requirements.
- ² Full admission to Professional Education required.

Other Requirements

- 40 hours of upper-division course work.
- 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 2025.

Secondary Education: Foreign Language, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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		
EDUC 1111	First Year Seminar	1
EDUC 4110	Professional Education Seminar (Teaching Culturally & Linguistically Diverse Learners)	3
Select 8 hours		8
Recommended:		
CIED 4473	Reading for the Secondary Teacher	
CPSY 4443	Cultural Diversity in Professional Life (D)	
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. 1516) 21

Language Emphasis Electives

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 Introduction to First and Second Language Acquisition for Teachers 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 Education¹ 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 3203 & FREN 3213	Advanced Written Expression and Advanced Grammar	6
FREN 3463	Advanced Diction and Phonetics	3
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 3073	French Conversation	
FREN 3853	Introduction to Analysis of French Literature	

FREN 4153	History of French Literature I
FREN 4163	History of French Literature II
FREN 4173	History of French Literature III
FREN 4183	History of French Literature IV
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 and Advanced Grammar and Composition	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	
GRMN 4543	Contemporary German Literature	
GRMN 4550	Studies 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	Spanish Peninsular Civilization Latin American Civilization	3
<i>Upper-division Electives (2 courses must be literature)</i>		
Select 9 hours of the following:		9
SPAN 3183	Latin American Survey I	
SPAN 3163	Survey of Peninsular Literature I	
SPAN 3173	Survey of Peninsular Literature II	
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	Spanish Peninsular Civilization	
SPAN 4333	Latin American Civilization	
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 course work.
- 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 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 2025.

Secondary Education: Social Studies, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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		
EDUC 1111	First Year Seminar	1
Select 11 hours of electives (3 hours may need to be foreign language)		11
Recommended:		
ANTH 3353	Cultural Anthropology (IS)	
ANTH 4883	Comparative Cultures (IS)	
CIED 4193	Teaching Writing in the Secondary Schools	
CIED 4313	Young Adult Literature	
CIED 4473	Reading for the Secondary Teacher	
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		3
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		3
Suggested courses:		
HIST 1713	Survey of Eastern Civilization (H)	
GEOG 1713	World Regional Geography (IS)	3
or GLST 1713	World Regional Geography (IS)	
Select 3 hours of Cultural Geography		3
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)		6
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)		6
Suggested courses:		
PSYC 3013	Psychology of Motivation	
PSYC 3113	Comparative Psychology (N)	
Hours Subtotal		42

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		30
Total Hours		124

¹ Minimum GPA 2.50 required in combination with Major Requirements. Certification requirements that meet GE requirements.

² Full admission to Professional Education required.

- Degrees that follow this plan must be completed by the end of Summer 2025.

Other Requirements

- 40 hours of upper-division course work.
- Required for graduation and recommendation for Standard Certification:
 - a. 2.50 Overall GPA;
 - b. 2.50 GPA in Major Requirements; 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 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.

Multi-Tiered Systems of Instructional Support (MTSI), Minor

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

Terry Stinnett, Ph.D., 405-744-9456

Minimum Overall Grade Point Average: A grade of "C" or better must be obtained for all minor courses.

Total Hours: 15 hours

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	Multi-tiered Systems of Support in the Schools	3

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://stw.sp.okstate.edu/policies/Shared%20Documents/Requirements%20for%20Undergraduate%20and%20Graduate%20Minors.pdf>).

Special Education (SPED), Minor

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

Penny Cantley, 249 Willard, (405) 744-8020

Minimum Overall Grade Point Average: 2.50 with no grade below "C" in SPED courses to be awarded the SPED minor.

Total Hours: 17 hours

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

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://stw.sp.okstate.edu/policies/Shared%20Documents/Requirements%20for%20Undergraduate%20and%20Graduate%20Minors.pdf>).

School of Kinesiology, Applied Health and Recreation

Dr. Doug Smith, PhD—Professor and School Head

The School of Kinesiology, Applied Health and Recreation (KAHR) offers undergraduate and graduate programs in Applied Exercise Science, Physical Education, Recreation Management and Recreational Therapy, 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 the 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 (Recreational Management and Recreational Therapy); and LEIS (Leisure Studies).

Applied Exercise Science

Jason Defreitas, PhD—Assistant 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. This degree would also serve to prepare the student for various professional certification examinations, such as Certified Strength and Conditioning Specialist (CSCS), Certified Special Population Specialist (CSPS), Certified Personal Trainer (NSCA=CPT), Physical Therapist (CPT), Certified Health Fitness Specialist (HFS), Certified Exercise Physiologists (EP-C), etc.

Physical Education

Patricia Hughes, PhD—Associate Professor and Program Coordinator

The undergraduate program includes a curriculum designed for professional preparation as a certified teacher of physical education, PK-12. Core courses for all physical education students include science-based courses, teaching methods, health and content-specific courses. Students engage in two formal field-based experiences: (1) a 45-hour practicum consisting of on-site observational experiences in one or more public school settings; and (2) a clinical experience (student teaching) in elementary and secondary schools during the final semester. A minor in Coaching Science is also offered, for which a student does not need to be a Physical Education major.

Recreation Management and Recreational Therapy

Tim Passmore, EdD, CTRS/L—Associate 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 Licensing 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 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.

Sports & Coaching Science

Program Area Faculty: Tim Baghurst, PhD—Associate Professor

The Sports & 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 Sports & 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), Master of Science (MS) and Doctor of Philosophy (PhD).

Applied Exercise Science

- Applied Exercise Science
 - Pre-Professional - BS
 - Strength and Conditioning - BS

Health and Human Performance

- Health and Human Performance - MS
- Health, Leisure and Human Performance - PhD
- Leisure Studies - MS
- Physical Education
 - Teaching - BS

Recreational Management and Recreational Therapy

- Recreational Management and Recreational Therapy
 - Recreation Management - BS
 - Recreational Therapy - BS

Sports and Coaching Science

- Sports and Coaching Science - BS

Undergraduate Programs

- Applied Exercise Science: Pre-Professional, BS (p. 1524)
- Applied Exercise Science: Strength and Conditioning, BS (p. 1526)
- Physical Education: Teacher Education, BS (p. 1529)
- Recreation Management and Recreational Therapy: Recreation Management, BS (p. 1531)
- Recreation Management and Recreational Therapy: Recreational Therapy, BS (p. 1533)
- Sports and Coaching Science, BS (p. 1536)
- Coaching Science (COAS), Minor (p. 1528)
- Recreation Management and Recreational Therapy (RMRT), Minor (p. 1535)

Graduate Programs

Graduate Program

Doug Smith, PhD—Professor and Graduate Coordinator

MS in Health and Human Performance

The health and human performance program provides preparation at the master's level with the 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, Leisure and Human Performance

The purpose and focus of this program is to prepare excellent entry-level research scholars for formal and informal learning organizations. They may serve in such roles as faculty members at colleges and universities and scholar practitioners in the workplace. Students meet their career needs and goals through (1) community-based, translational research and (2) classroom experiences focusing on social justice and diversity. The option 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.

Graduate Program

Tim Passmore, EdD, CTRS/L—Associate Professor and Graduate Coordinator

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. These include 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.

Faculty

Douglas Smith, PhD—Professor and Head

Regents Professor: Bert Jacobson, EdD

Associate Professors: Timothy Baghurst, PhD; Patricia Hughes, PhD; Donna Lindenmeier, PhD; Tim Passmore, EdD

Assistant Professors: Jason DeFreitas, PhD; Nathaniel Jenkins, PhD; Taryn Price, PhD

Visiting Lecturer: Melissa Jensen, MS

Applied Exercise Science: Pre-Professional, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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)	
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
BIOL 1114	Introductory Biology (LN)	4
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 3.00 with a minimum grade of "C"		
EDUC 1111	First Year Seminar	1
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		4
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	Principles of Personal Training	3
or HHP 4124	Principles of Strength and Conditioning	
HHP 3223	Motor Learning	3
HHP 3663	Biomechanics	3
HHP 4013	Motor Control	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	Chemical Principles II (LN)	5
or CHEM 1515	Chemistry II (LN)	
CHEM 3015	Survey of Organic Chemistry	5
NSCI 2114	Principles of Human Nutrition (N)	4
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		68
Electives		
Select 8 hours		8
Hours Subtotal		8
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 Laboratory	3
PHIL 3833	Biomedical Ethics (H)	3
PSYC 3013	Psychology of Motivation	3
RMRT 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 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. 3.00 Overall GPA;
 - b. 3.00 Overall GPA for enrollment in HHP 4480 Internship in Health and Human Performance;
 - c. 3.00 Overall GPA in College/Departmental Requirements; and
 - d. 3.00 Grad/Ret 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 2025.

Applied Exercise Science: Strength and Conditioning, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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		
EDUC 1111	First Year Seminar	1

BCOM 3113	Written Communication	3
MGMT 3013	Fundamentals of Management (S)	3
MKTG 3213	Marketing (S)	3
MSIS 2103	Business Data Science Technologies	3
or EDTC 4113	Applications of Media and Technology	
PHYS 1014	Descriptive Physics (N)	4
or PHYS 1114	College Physics I (LN)	
NSCI 2114	Principles of Human Nutrition (N)	4
BIOL 3204	Physiology	4
Hours Subtotal		25
Major Requirements		
Minimum GPA of 2.75 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 3223	Motor Learning	3
HHP 3333	Ethics in Sports Administration and Coaching	3
HHP 3443	Psychosocial Aspects of Sport and Coaching	3
HHP 3663	Biomechanics	3
HHP 4013	Motor Control	3
HHP 4124	Principles of Strength and Conditioning	4
HHP 4773	Principles of Exercise Testing and Prescription	3
HHP 4480	Internship in Health and Human Performance (5 hours)	5
MGMT 3943	Sports Management	3
Hours Subtotal		46
Electives		
Select 9 hours		9
Hours Subtotal		9
Total Hours		120

Elective Suggestions

Code	Title	Hours
NSCI 3223	Nutrition Across the Life Span	3
NSCI 4133	Nutrition for Exercise and Sport	3
HHP 3123	Principles of Personal Training	3
HHP 4480	Internship in Health and Human Performance (additional internship hours)	1-7
HLTH 3643	Health Behavior Theory	3
HLTH 4783	Health Issues in Gerontology	3
BIOL 3933	Research Methods	3
PHIL 3833	Biomedical Ethics (H)	3
PSYC 3013	Psychology of Motivation	3
NSCI 3543	Food and the Human Environment (IS)	3
RMRT 2443	Contemporary Issues in Diversity (DS)	3

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 Overall GPA in College/Departmental Requirements; and
 - d. 2.75 Grad/Ret 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 2025.

Coaching Science (COAS), Minor

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

Education Student Academic Services, 106 Willard, 405-744-6350

Minimum Overall Grade Point Average: 2.50 with no grade below "C."

Total Hours: 20 hours

Code	Title	Hours
Minor Requirements		
HHP 2553	Basic Athletic Injury Management	3
HHP 2602	First Aid	2
HHP 3333	Ethics in Sports Administration and Coaching	3
HHP 3553	Theory and Practice of Coaching	3
HHP 3883	Coaching Internship	3
Select two (minimum of 6 hours) of the following:		6
HHP 1833 or HHP 1843	Pedagogy of Team Activities Pedagogy of Individual Activities	
HHP 3114	Physiology of Exercise	
HHP 3443	Psychosocial Aspects of Sport and Coaching	
HHP 4010	Directed Study	
MGMT 3943	Sports Management	
NSCI 4133	Nutrition for Exercise and Sport	

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://stw.sp.okstate.edu/policies/Shared%20Documents/Requirements%20for%20Undergraduate%20and%20Graduate%20Minors.pdf>).

Physical Education: Teacher Education, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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 1114	Introductory Biology (LN)	4
Select 4 hours Physical Science		4
<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		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		
A minimum grade of "C" or "P" in each course		
EDUC 1111	First Year Seminar	1
Select 9 hours electives (3 hours may need to be in a foreign language)		9
Hours Subtotal		10
Major Requirements		
Minimum GPA 2.50 with a minimum grade of "C" or "P" in each course.		

HHP 1823	Pedagogy of Non-Traditional Activities, Rhythm, and Movement	3
HHP 1833	Pedagogy of Team Activities	3
HHP 1843	Pedagogy of Individual Activities	3
HHP 2553	Basic Athletic Injury Management	3
HHP 2654	Applied Anatomy	4
HHP 2712	Psychomotor Development	2
HHP 3114	Physiology of Exercise	4
HHP 3223	Motor Learning	3
HHP 3663	Biomechanics	3
HLTH 2603	Total Wellness (S)	3
Full admission required in the following:		
HHP 4723	Assessment in Physical Education	3
HHP 4793	Adapted Physical Education	3
Hours Subtotal		37

Professional Core Requirement

Minimum GPA 2.50 with a minimum grade of "C" or "P" in each course

EDTC 3123	Applications of Educational Technologies	3
EPSY 3413	Child and Adolescent Development	3
HHP 1753	Introduction to Physical Education	3
HHP 3433	Early Laboratory Clinical Experiences in Physical Education	3
HHP 3753	Methods in Teaching Elementary Physical Education	3
HHP 3773	Methods in Teaching Secondary Physical Education	3
HHP 4643	School Health and Safety for Physical Educators	3
SPED 3202	Educating Exceptional Learners (D)	2
SPSY 3513	Behavior Management for Teachers of Diverse Learners	3

Student Teaching

HHP 4480	Internship in Health and Human Performance (Elementary) ¹	3
HHP 4480	Internship in Health and Human Performance (Secondary) ¹	3

Hours Subtotal		32
Total Hours		120

¹ Full Admission to Professional Education Required

Other Requirements

- 40 hours of upper-division course work.
- Required for graduation and recommendation for Standard Certification:
 - a. 2.50 Overall GPA;
 - b. 2.50 GPA in Major Requirements; and
 - c. 2.50 GPA in Professional Core Requirements.
- The student must earn minimum grades of "C" or "P" in the Major Requirements and Professional Core Requirements, and must earn grades of "P" in all sections of student teaching for recommendation for Certification.

- The student must earn minimum grades of “C” or “P” in the College/ Departmental requirements.
- Prior to enrollment in the student teaching experience the student must:
 - a. have all course work completed, and
 - b. demonstrate proficiency in a foreign language at the novice high level
 - c. supply evidence of First Aid/CPR certification valid through the end of the student teaching experience

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 2025.

Recreation Management and Recreational Therapy: Recreation Management, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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)		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		
EDUC 1111	First Year Seminar	1
Select 3 hours of ECON		3
Select one of the following:		4
GEOG 1114	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	
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	
HDFS 2453	Management of Human Service Programs	
Select one of the following courses:		3
HLTH 2603	Total Wellness (S)	
HHP 1823	Pedagogy of Non-Traditional Activities, Rhythm, and Movement	
HHP 1833	Pedagogy of Team Activities	
HHP 1843	Pedagogy of Individual Activities	
Select 3 hours of MKTG		3
Select 3 hours of MATH or STAT		3
Hours Subtotal		20
Major Requirements		
Minimum GPA of 2.50 with a minimum grade of "C" or "P" in each course		
<i>Program Core (19 hours)</i>		
RMRT 2413	Introduction To Leisure Services	3
RMRT 2443	Contemporary Issues in Diversity (DS)	3
RMRT 2463	Laboratory In Leisure Services	3
RMRT 2473	Foundation of Leisure Service Leadership	3
RMRT 4433	Evaluation of Leisure Services	3
RMRT 4481	Senior Seminar In Leisure Services	1
RMRT 4493	Administration of Leisure Services	3
<i>RM Option Requirements (27 hours)</i>		
RMRT 3431	Recreation Management Practicum I	1
RMRT 3432	Recreation Management Practicum II	2
RMRT 3463	Program Design in Recreation Management Services	3
RMRT 4463	Areas and Facilities In Leisure Services	3
Select one of the following courses:		
RMRT 4563	Entrepreneurial Recreation Management (or)	3
3 hours of EEE		
RMRT 4680	Internship in Recreation Management (taken with RMRT 4683 in spring or summer only)	9
RMRT 4683	Administrative Documentation in Internship for Recreation Management (taken with RMRT 4680 in spring or summer only)	3
Select one of the following courses:		
RMRT 4943	Grant Writing and Nonprofit Management	3
or RMRT 4713	Campus Recreation, Intramurals, and Sport	
Hours Subtotal		46
Electives		
Select 14 hours RMRT and/or hours from the approved discipline areas with at least 9 hours upper division courses		14
Approved discipline areas include:		

AGED, BIOL, ECON, EPSY, GEOG, GEOL, HDFS, HLTH, HTM, MGMT,
MKTG, NREM, PBIO, POLS, HESA, SOC

Hours Subtotal	14
Total Hours	120

Other Requirements

- 40 hours of upper-division course work.
- Required for graduation:
 - a. 2.00 Overall GPA;
 - b. 2.50 GPA in major for enrollment in RMRT 4680 Internship in Recreation Management; and
 - c. 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 2025.

Recreation Management and Recreational Therapy: Recreational Therapy, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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		
BIOL 1114	Introductory Biology (LN)	4
CHEM 1314	Chemistry I (LN)	4
or CHEM 1215	Chemical Principles I (LN)	
<i>Social & Behavioral Sciences (S)</i>		
Course designated (S)		6
<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		
EDUC 1111	First Year Seminar	1
HDFS 2113	Lifespan Human Development (S)	3
HHP 2654	Applied Anatomy	4
RMRT 3010	Leisure Services Workshop (Psychomotor Development)	2

RMRT 3473	Medical Procedures For Recreational Therapy	3
(taken concurrently with RMRT 3480)		
PSYC 3443	Abnormal Psychology (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		23

Major Requirements

Minimum GPA of 2.50 with a minimum grade of "C" or "P" in each course

Program Core (19 hours)

RMRT 2413	Introduction To Leisure Services	3
RMRT 2443	Contemporary Issues in Diversity (DS)	3
RMRT 2463	Laboratory In Leisure Services	3
RMRT 2473	Foundation of Leisure Service Leadership	3
RMRT 4433	Evaluation of Leisure Services	3
RMRT 4481	Senior Seminar In Leisure Services	1
RMRT 4493	Administration of Leisure Services	3

RT Option Requirements (31 hours)

RMRT 2433	Introduction to Recreational Therapy	3
RMRT 3413	Recreational Therapy and Mental Illness/Intellectual Disabilities	3
RMRT 3423	Recreational Therapy In Geriatric Practices	3
RMRT 3433	Recreational Therapy and Physical Disabilities	3
RMRT 3441	Warm Water Therapy Lab	1
RMRT 3480	Junior Internship (3-6 hours)	6
RMRT 4480	Internship in Recreational Therapy (6 to 9 hours taken with RMRT 4483 in Spring or Summer only)	6
RMRT 4483	Administrative Documentation in Internship for Recreational Therapy (taken with RMRT 4480 in Spring or Summer only)	3
RMRT 4933	Advanced Methods In Recreational Therapy	3
RMRT 4010	Directed Studies in Leisure (Recreational Therapy Practice in ECE)	3

Select 3 hours of electives from the following: 3

Upper division RMRT courses 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	56
Total Hours	120

Other Requirements

- 40 hours of upper-division course work.
- Required for graduation:
 - a. 2.00 Overall GPA;
 - b. 2.50 GPA in major for enrollment in RMRT 4480 Internship in Recreational Therapy; and
 - c. 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 2025.

Recreation Management and Recreational Therapy (RMRT), Minor

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

Education Student Academic Services, 106 Willard, 405-744-6350

Minimum Overall Grade Point Average: 2.50 with no grade below "C."

Total Hours: 21 hours

Code	Title	Hours
Minor Requirements		
RMRT 2413	Introduction To Leisure Services	3
RMRT 2473	Foundation of Leisure Service Leadership	3
RMRT 3431	Recreation Management Practicum I	1
RMRT 3432	Recreation Management Practicum II	2
RMRT 3463	Program Design in Recreation Management Services	3
RMRT 4433	Evaluation of Leisure Services	3
Select 6 hours of RMRT electives (one course must be 4000-level, no credit for Leisure/Activity courses) in consultation with RMRT faculty or Education advisor		6

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://stw.sp.okstate.edu/policies/Shared%20Documents/Requirements%20for%20Undergraduate%20and%20Graduate%20Minors.pdf>).

Sports and Coaching Science, BS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (p. 844).

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. 845)		
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		
EDUC 1111	First Year Seminar	1
HLTH 2603	Total Wellness (S)	3
NSCI 2114	Principles of Human Nutrition (N)	4

MGMT 3943	Sports Management	3
SPM 2843	Sports and the Media	3
Hours Subtotal		14

Major Requirements

Minimum GPA of 2.75 with a minimum grade of "C" or "P" in each course

HHP 1833	Pedagogy of Team Activities	3
HHP 1843	Pedagogy of Individual Activities	3
HHP 2553	Basic Athletic Injury Management	3
HHP 2654	Applied Anatomy	4
HHP 2712	Psychomotor Development	2
HHP 3114	Physiology of Exercise	4
HHP 3133	Sport Supplements For Human Performance	3
HHP 3223	Motor Learning	3
HHP 3333	Ethics in Sports Administration and Coaching	3
HHP 3443	Psychosocial Aspects of Sport and Coaching	3
HHP 3553	Theory and Practice of Coaching	3
HHP 3663	Biomechanics	3
HHP 3883	Coaching Internship	3
HHP 4123		3
HHP 4733	Organization, Administration and Curriculum in Physical Education and Athletics	3
HHP 4773	Principles of Exercise Testing and Prescription	3

Hours Subtotal 49

Electives

Minimum GPA 2.75 with a minimum grade of "C" or "P" in each course. Other classes may be substituted with program coordinator permission.

17 hours 17

Controlled Electives

MGMT 3963	Social Issues in Sports Management	
MGMT 4743	Advanced Sports Management	
NSCI 3223	Nutrition Across the Life Span	
NSCI 3543	Food and the Human Environment (IS)	
NSCI 4133	Nutrition for Exercise and Sport	
NSCI 4373	Principles of Nutrition Education and Counseling	
SOC 4950	Current Topics in Sociology	
SPM 3843	Contemporary Sports Media	
RMRT 2473	Foundation of Leisure Service Leadership	

Hours Subtotal 17

Total Hours 120

Other Requirements

- 40 hours of upper-division course work.
- 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 2025.

Professional Education Unit

Officers of the Professional Education Council

Robin Fuxa, PhD—Director of Professional Education

The College of Education, Health and Aviation coordinates all professional education programs offered at Oklahoma State University. All programs are operated in collaboration with the colleges of Agricultural Sciences and Natural Resources, Arts and Sciences, Human Sciences and the Graduate College. The Dean of the College of Education, Health and Aviation serves as the Executive Director of the Professional Education Unit (PEU). The Professional Education Council has been established as the governance and oversight structure for the Professional Education Unit. The Unit has a mission statement, goals and a strategic plan that guide the operation of its programs.

Professional Education Unit Core Values

The underlying structure of the unit is articulated through its conceptual framework that guides the direction of programs, teaching practices, candidate performance, faculty scholarship, and service. The core values of the conceptual framework emphasize leadership, ethics and professionalism, academics and professional roles, diversity and service orientation/community outreach. (L.E.A.D.S.)

Leadership

The PEU prepares candidates who are committed to the belief that professional educators who provide quality education are the foundation of a prosperous and democratic society.

Ethics and Professionalism

The PEU prepares candidates who demonstrate ethical and professional behavior in their interactions with students, families, colleagues and communities and practice social justice.

Academic and Professional Roles

The PEU provides opportunities to prepare knowledgeable candidates who reflect upon the connections between academics and their professional roles.

Diversity

PEU prepares candidates who believe everyone deserves the opportunity to learn and can learn; they possess knowledge, skills, and dispositions to serve as effective professionals who understand and meet the needs of a diverse society. (See Professional Education Diversity policy for more information: <https://education.okstate.edu/peu/diversity.html>.)

Service Orientation/Community Outreach

The PEU prepares candidates who value and engage in service and meaningful involvement of the learner/client and their families, as well as their school and their community.

All Professional Education programs are administered by the Dean of the College of Education, Health and Aviation and are coordinated through the Office of Professional Education. Upon 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 Professional Education Unit, 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.

Certification programs are offered at various levels in the College of Education, Health and Aviation as well as in the Colleges of Agricultural Sciences and Natural Resources, Arts and Sciences, and Human Sciences, but all require earning at least a bachelor's degree for recommendation for a standard certificate. Each candidate (regardless of level or college) seeking recommendation for certification from OSU through a Professional Education program must make formal application to do so using the "Application for Admission to Professional Education" 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 programs at Oklahoma State University are accredited by the Council for the Accreditation of Educator Preparation (CAEP) (formerly NCATE) and the OEQA.

Information regarding all Professional Education policies and practices may be obtained from the Office of Professional Education or the College of Education, Health and Aviation 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 Professional Education, 325 Willard.

The Unit prepares educator candidates with the knowledge, skills, and dispositions for a wide range of certification and teaching areas. There are increasing employment opportunities in business, industry and state and federal agencies for persons with strong preparation in education specialties.

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)
Music-Instrumental
Music-Vocal
Physical Education/Health/Safety

Secondary Level Programs

Agriculture Education
Secondary English
Secondary Mathematics
Secondary Science
Secondary Social Studies
Family and Consumer Sciences

Graduate Initial Teaching Certification Programs

Masters of Arts in Teaching

Elementary Education option
Science Education option

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
Secondary Education (6-12) Initial Certification at the MS level

Professional Education Dispositions

Following is a list of professional dispositions all pre-service teachers should exhibit in coursework, field experiences and student teaching: ethics, commitment to student learning, respect for diversity, professionalism, professional growth, communication and advocacy (further description and assessment tool available on the Professional Education website). Faculty of Professional Education and specialization courses will assess candidates throughout the program. Candidates evaluated below target on dispositional assessments will be offered remediation and their placement in PEU field experiences/clinical practice is not guaranteed.

Admission to Professional Education

The criteria for admission to Professional Education programs are based on University-wide policies recommended by the Executive Director of Professional Education through the Professional Education Council. 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 Professional Education Unit as early as possible in their programs. The candidate is not considered a fully-eligible participant in a Professional Education program until formally admitted to the Professional Education Unit.

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. Orientation to Professional Education Course and Field Experiences. An appropriate orientation to Professional Education course must be completed with a grade of "C" or better. One semester credit hour of early field experiences must be completed with a grade of "C" or better or grade of "P".

2. Basic Skills Competency. Basic skills competency must be demonstrated by successful completion of the Oklahoma General Education Test (OGET).
3. Minimum cumulative overall GPA of 2.50 or higher as specified by the individual program. The minimum cumulative overall GPA must be earned based on no fewer than 40 credit hours of courses to include lower-division general education requirements as specified in the student's program.

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 receive a passing score on the OGET.
3. Students classified by the Graduate College as "special" or "provisionally admitted" must:
 - a. (a) have a minimum cumulative overall GPA of at least 2.50 or higher as specified by the individual program; and
 - b. (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 "P" and receive a passing score on the OGET.

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 (<http://education.okstate.edu/peu>).

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 information see the OSU site <http://education.okstate.edu/peu> or contact the Office of Professional Education.

Retention in Professional Education

For participation in all courses requiring full admission to and for continued acceptability in the Professional Education unit, 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 Professional Education Unit. A candidate not satisfying the probation requirements at the end of the semester following the initial probationary semester will be administratively withdrawn from the Professional Education Unit and all courses having full admission as a prerequisite. Readmission to the Professional Education Unit will require a new application. advisers 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 Professional Education unit 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 Professional Education.

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, advisers, and PEU staff are available to assist candidates through remediation opportunities as needed.

Foreign Language Proficiency

Candidates in Professional Education programs may be required to document competency in a foreign language at the novice high-level.

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 and a professional portfolio. The certification check sheets are available at <http://education.okstate.edu/peu/certification> 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) Professional Education Unit (PEU) 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 PEU 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 Professional Education (325 Willard).

Diverse Placement in Field Experiences

Since OSU is 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), varied school community socio-economics, and experiences with diverse groups of students. Previous clinical/field experiences will be considered when determining the internship placement. See the Professional Education Diversity Statement for clarification: <http://education.okstate.edu/peu/diversity>.

Data on all field experience and clinical practice placements is maintained by the Professional Education Unit 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 PEU Student Handbook. In addition, the link to the Clinical Practice Application will be sent to all candidates enrolled in a Professional Education course with a pre-internship field observation. Music and Physical Education students who have completed pre-internship requirements will also receive the link. Candidates must submit their on-line applications electronically prior to specific dates in September and February. For placement in Spring semester clinical practice, the Clinical Practice Application must be submitted by the third Wednesday in September by 5 pm, and for placement in Fall semester clinical practice the Clinical Practice Application must be submitted by the third Wednesday in February by 5 pm. Candidates must complete submissions 1 and 2 of the portfolio, pass all required certification tests, 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 in an 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 in Diverse and Geographic Settings:** Candidates will experience diverse placements: a variety of settings (rural, urban, and suburban), varied school community socio-economics, and experiences with diverse groups of students. 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 from which 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 extreme cases. 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, 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 are:

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), 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 II requirements for the Professional Education Program portfolio. The exact submission dates for portfolio are set by the Professional Education Unit in collaboration with programs. Portfolios should contain the materials listed in the Portfolio Handbook (<http://education.okstate.edu/peu/portfolio>) for the pre-internship submission and any additional

items required by a specific program. The portfolio is completed in conjunction with the internship and should not be separate.

6. Must have taken and received a score on the appropriate subject area test for certification.

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, candidates will not be placed in the school system from which they graduated. Finances cannot be considered when determining the internship placement. As a general rule, interns are placed within an approximate 75-mile radius of Stillwater.

Out-of-Area/Out-of-State Placements

A candidate requesting an out-of-area/out-of-state placement due to extenuating circumstances or seeking an assignment that provides exceptional professional experiences that would not be afforded by a local placement must submit a written request and receive the approval of the degree program area coordinator, the unit head and the PEU Field Experiences Committee. Securing placements and supervision are the responsibility of the Office of Field Experiences and Clinical Practice and the program area coordinator.

Extenuating circumstances may include, but are not limited to, medical or health issues that would impede the progress of the pre-service candidate's internship, family issues that would cause a hardship in the pre-service candidate's ability to successfully complete the student teaching assignment, or an issue of personal concern that cannot be addressed through a change in local placement site. Financial exigency alone is not grounds for an out-of-area/out-of state placement.

Candidates granted an out-of-area/out-of-state placement must meet all clinical practice deadlines and requirements, including attendance of on-campus meetings and are required to pay the following fees:

1. All necessary and appropriate fees required in securing and finalizing the placement (e.g., such as reimbursement for cooperating teacher, supervisor, etc.). These fees are payable to the Office of Professional Education or designated office and/or out-of-state university at the beginning of the semester in which the placement is sought.
2. If a recommendation for certification is to be made by Oklahoma State University, the candidate is responsible for reimbursing visits performed by the cooperating institution. All other criteria pertaining to in-state clinical practice placements apply as previously stated.
3. OSU fees - A non-refundable administrative fee to cover time and extra work related to securing an out-of-area placement may be assessed when an approved request is submitted to the Clinical Practices office. The fee is due upon approval of designated site(s).
4. Supervising teacher fees - The out-of-area/out-of-state supervising fee is determined by each supervisor, the out-of-area/out-of-state university, and the Field Experience and Clinical Practices Office and

typically ranges from \$400 to \$800 to cover the expenses incurred to conduct the required observations and student teaching evaluations. Students are responsible for all costs related to their out-of-area/out-of-state supervision. The fee is to be paid to Office of Professional Education, who will then pay the supervisor.

5. Cooperating teacher fees - Whereas local cooperating teachers are compensated with tuition vouchers, an out-of-area/out-of-state cooperating teacher may not benefit from such compensation.
6. Additional fees - The local (out-of-area/out-of-state) cooperating university may require a fee for supervision for a student not enrolled in their university or require co-registration in additional credits as a student at their university to attend their student teaching seminars.

Exceptions to this policy are permitted for students who are enrolled in programs that have a specific out-of-area/out-of-state placement policy and for students who participate in special placements abroad.

Qualifications for consideration of out-of-state/out-of-area placement request:

1. Minimum cumulative 3.0 GPA and 3.0 GPA in content/certification area classes.
2. Successful interview with Program Area Coordinator presenting your request for an out-of-area placement.
3. Recommendation from Program Area faculty.
4. Agreement from local (out-of-area/out-of-state) university to supervise the student teacher.
5. Availability and willingness of qualified university-affiliated supervisor to observe and evaluate student teacher.
6. A memorandum of understanding signed by the student, the Program Area Coordinator, and the PEU or Program Representative must be on file prior to the request for placement being sent to the school district. The out-of-area/out-of-state university may require additional signed documentation.

The Internship Experience

The clinical practice intern is supported by their student teaching course instructor, the assigned OSU Supervisor and Mentor/Cooperating Teacher and the School Principal. Mentor Teachers and OSU Supervisors are asked to complete training in co-teaching prior to the experience. If needed during the internship, the problem-solving process includes the support team above as well as Professional Education Unit representatives. The Memorandum of Understanding candidates sign at the application stage signifies their understanding of conduct to be followed during the internship. A breach in this agreement can result in removal from the internship.

Insurance

Neither school districts nor OSU insure candidates during the internship; candidates are responsible for carrying their own insurance of any type that may apply. Candidates are strongly encouraged to obtain professional liability insurance. Candidates are encouraged to consider student membership of the Oklahoma Education Association (SOEA) or the Professional Oklahoma Educators (POE), which typically provide liability insurance.

Outside Activities/Classes during the Clinical Practice Internship

The clinical practice internship experience is considered the beginning of your professional career and your energies should be directed toward

making the most of your professional assignment. Therefore, outside employment or taking coursework other than the internship courses is definitely not advised during the internship. If you believe employment is a necessity, you must confer with your program area supervisor to determine if such employment should continue, or if you should consider completing your internship another semester.

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 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, and OPTE), 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>). Candidates for Elementary, Early Childhood and Special Education certification must also pass the Oklahoma Reading Test.

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>).

Teacher candidates must successfully complete the OGET prior to admission to Professional Education, receive a score on the OSAT prior to student teaching placement and the OPTE at or near completion of their program and prior to a certification recommendation.

Registration deadlines and score report dates are indicated on the website.

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 Professional Education Unit;
- 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 portfolio submission III;
- pass the required Certification Examinations for Oklahoma Educators for Oklahoma certification; 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.