



Undergraduate Academic Experience

In addition to the variety of out-of-classroom experiences you will find listed on our students' resumes, each student gains specific knowledge and skills in the classroom. Below is a brief description of our undergraduate academic programs taken from the *Oklahoma State University – University Catalog 2006-2007*.

Aerospace Administration and Operations

The aviation education program prepares students for careers in the aerospace industry. A bachelor's degree in aviation sciences offers three options.

Students in the *professional pilot option* complete all flight requirements for private pilot, commercial pilot with instrument, multi-engine, and certified flight instructor ratings. Flight instructor-instrument and multi-engine instructor ratings are available as electives. Students are prepared for careers in general aviation, corporate, commuter, and commercial airline pilots. Flight labs are conducted at the OSU Aviation Flight Center located at the Stillwater Municipal Airport and all other aviation courses are on the main campus. Both flight and ground school courses are conducted under Federal Air Regulation Part 141.

The *aviation management option* prepares students for management positions in the aerospace industry. Employment opportunities include positions with fixed-base operators, air carriers, corporate flight departments, commuter and air taxi operations and a variety of career areas associated with airport operations.

The *technical services management option* builds on an individual's technical experience in aircraft maintenance or avionics to prepare the student 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.

Athletic Training

The *Athletic Training Educational* program is an accredited program designed for professional preparation as a certified athletic trainer by the Board of Certification. In addition to core course requirements, ATEP majors are required to complete hours of clinical experience. The educational process in athletic training prepares students to work in a variety of allied health settings including secondary or post-secondary academic institutions, hospitals, rehabilitation or sports medicine centers, and professional sports teams. The program also utilizes a competitive admissions process.

Career and Technical Education

The Bachelor of Science in Career and Technical Education (CTED) is designed with two distinct options: the non-certification option, for students interested in adult technical education, and the certification option for students interested in secondary career and technical education.

CTED Non-certification Option. Students choosing the non-certification option are prepared to become instructional personnel for technical programs in community junior colleges, technical institutes and industry. Graduates with this option also accept technical employment of various types of business, industry and government.

CTED Certification Option. Candidates selecting this option are prepared to serve as teachers, or in other related professional roles for career and technical education programs. Plans of study leading to the bachelor's degree are offered for those wishing to qualify for teaching under the approved state plan for career and technical education. Candidates completing this option are qualified to teach in career and technical departments of high schools and area career and technology centers.

The certification option includes business information technology, marketing education, health occupations education, technology education, and technical and industrial education.

Elementary Education

Completion of the Bachelor of Science in Elementary Education degree qualifies the student for an Oklahoma elementary teaching license (1-8). The program is intended to provide students with (1) a breadth of knowledge that reflect the broad traditions of the liberal arts and sciences, (2) a depth of knowledge in the area of specialization, and (3) diverse field experiences that allow students to demonstrate their ability to work with young children.

Health Education and Promotion

The Health Education and Promotion program prepares students for careers in a variety of settings including corporate, hospital-based, community, government and entrepreneur enterprises. Students culminate their degree requirements with an on-site internship during their last semester. This degree track prepares students for certification as Certified Health Education Specialists as well as certification by the American College of Sports Medicine.

Leisure Studies

The program in leisure studies at Oklahoma State University prepares students for careers in leisure service management and therapeutic recreation. Both undergraduate options are accredited by the National Recreation and Park Association (NRPA) and the American Association for Leisure and Recreation (AALR). Students completing the programs are eligible to sit for respective national certification examinations. Leisure service 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. Therapeutic recreation prepares students to work with persons with disabilities in a variety of settings including hospitals, rehabilitation centers, day programs, institutions and within the community.

Physical Education

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 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 practice experience (student teaching) in elementary and secondary schools during the final semester.

Secondary Education

The Bachelor of Science in Secondary Education degree is available in the following discipline areas: English, foreign language, mathematics, science and social studies. Completion of this program emphasizing English, math, science or social studies qualifies the student for a secondary Oklahoma license. Students emphasizing foreign language, also receive a degree in secondary education and qualify for an elementary/secondary Oklahoma license. The program is intended to provide students with (1) a breadth of knowledge that reflect the broad traditions of the liberal arts and sciences, (2) a depth of knowledge in the secondary subject area of specialization, and (3) diverse field experiences that allow students to demonstrate their ability to work with young children. Each of these secondary degree programs includes general education courses, extensive specialization course work in the discipline area, and professional education courses accompanied by substantial field-based practicum experiences.

Bachelor of University Studies

Students with a Bachelor of University Studies degree have unique career goals. These students work with a faculty committee and academic advisers to select a specially-tailored program.