



Kent State University Tour – November 16, 2013

Aeronautics - B.S.

DESCRIPTION:	<p>The programs offered under the Bachelor of Science in Aeronautics consist of five separate areas of concentration: aeronautical studies, aeronautical systems engineering technology, air traffic control, aviation management and flight technology. All five programs lead to a Bachelor of Science with a major in Aeronautics. The Bachelor of Science in Aeronautics is accredited by the Aviation Accreditation Board International (AABI).</p> <p>Aeronautical Systems Engineering Technology prepares students to enter the field of aeronautical engineering as technologists with educational experience in the practical application of theoretical principles. This concentration stresses subjects associated with advanced propulsion, materials and structure and aircraft design. Students entering this program should have an extensive background in high school mathematics and science.</p> <p>Aeronautical Studies prepares students for entry-level technological positions in aviation and related areas. Although focused on a fundamental foundation of aeronautically related subjects, the program also provides a significant number of electives that allow students to explore other areas of interest or earn a minor in a particular area of study. It is well suited for those entering the program with previous flight experience.</p> <p>Air Traffic Control is structured to prepare students for professional work in air traffic control and management. As part of the Federal Aviation Administration's Air Traffic-Collegiate Training Initiative, the concentration provides practical simulation-based training in air traffic control that enables the students to work as air traffic controllers and managers in the National Airspace System.</p> <p>Flight Technology is designed for students who aspire to become professional pilots. This concentration stresses subjects associated with flight systems, propulsion, structures and electronics. Students entering this program should have a strong desire for excellence in aviation as well as the flying skills required of a professional pilot.</p> <p>Aviation Management prepares students for entry-level positions in aviation and other aviation-related professional fields. This course of study combines technical and aeronautical courses with courses in management and information systems. Students entering this program should have a technical interest, mathematical proficiency and an ability to develop analytical and communicative capabilities. Students also earn a minor in Computer Information Systems from the College of Business Administration.</p>
CAREER OPPORTUNITIES:	<p>Students have an opportunity to apply and obtain established internships with all airlines and airports that pertain to their major. Kent State University is the only university to have a bridge program with Continental express and one of three universities to have a Delta preferred internship partnership. These internships often lead to full time careers upon graduation.</p> <p>Students in the Aeronautical Systems Engineering program may enter the job field as systems engineers working with companies such as Boeing, Lockheed Martin and NASA.</p> <p>Our Flight Technology students, who will be trained to be a professional pilot, can seek employment with a major airline, regional air carriers, FBO's, and flight instructors in various capacities. We also have graduates that become pilots in the military.</p> <p>Students majoring in Aviation Management find entry level positions at airports such as Miami</p>

	<p>International, Houston George Bush, and Philadelphia International Airport.</p> <p>Air traffic controllers held about 26,200 jobs in 2008. The vast majority were employed by the FAA, while a small number of civilian controllers also work for the U.S. Department of Defense. In addition to controllers employed by the Federal Government, some work for private air traffic control companies providing service to non-FAA towers and contract flight service stations. There is a high demand for students to be trained as air traffic controllers. (Source: Bureau of Labor Statistics)</p>
ADMISSION REQUIREMENTS:	<p>General Admission for Freshman Students: Students most likely to be admitted and succeed at the Kent Campus are those who have graduated with at least 16 units of the recommended college preparatory curriculum in high school, who have achieved a cumulative high school grade point average of 2.5 or higher (on a 4.0 scale), and whose composite ACT score is 21 or better (980 combined critical reading and math SAT score). For more information on admissions, visit the Admissions website for new freshmen.</p> <p>Transfer Student: Entry into the aeronautics program requires at least a 2.25 GPA in all college coursework.</p>
GRADUATION REQUIREMENTS:	<p>Aeronautical Systems Engineering Technology: Minimum 124 total credit hours and 39 upper-division hours for graduation.</p> <p>All Other Concentration: Minimum 124 total credit hours and 39 upper-division hours for graduation. Minimum 2.00 GPA overall and 2.25 GPA in major required for graduation.</p> <p>Flight Course Completion: Students must complete all flight courses by the end of the semester following that in which they enrolled. In other words, if a student enrolls in a course in the fall, they must complete the course no later than the end of the following spring semester. This requirement is subject to waiver by the director of aeronautics. In the absence of an authorized waiver, students who fail to complete any flight course by the end of the subsequent semester after course enrollment will receive a failing grade (F) and a complete forfeiture of the balance of the flight fees. Students who wish a refund of flight fees are required to withdraw from their flight course by the withdrawal deadlines established by the Office of the University Registrar. Flight fees will be refunded in accordance with the University policy regarding student fee refunds, policy number 3342-7-06.</p> <p>Comprehensive Exit Exam: All students must successfully complete the comprehensive exit exam requirement prior to graduation with the B.S. in Aeronautics. Exit exam requirements are to be satisfied by all graduation candidates no later than the eighth week of the semester of intended graduation. The exit exams shall be offered during the fourth and eighth weeks of the fall and spring semesters. Students who fail will be allowed to retake the exit exams. An overall passing grade of 70 is required. Students who transfer into the aeronautics program and receive academic credit for core areas are still responsible for taking the exam in its entirety.</p>
STUDY ABROAD/AWAY OPPORTUNITIES:	<p>There are many study abroad/away opportunities, for more information contact the Office of International Affairs.</p>
ACCREDITATION:	<p>Council on Aviation Accreditation Incorporated, Aviation Accreditation Board International and Federal Aviation Administration</p>
STUDENT ORGANIZATIONS:	<p>Alpha Eta Rho; American Institute of Aeronautics and Astronautics; Kent State Precision Flight Team; Silver Wings; Women in Aviation International Flying Black Squirrels</p>
GRADUATE PROGRAMS:	<p>Master of Technology</p>