

Kentucky Aviation Programs via Community Colleges- in-state tuition is \$179 / credit hour

Madisonville Community College	FAA certificates private pilot, instrument pilot, commercial pilot and certified flight instructors for both fixed wing and helicopters
Jefferson Community & Technical College	Aviation Maintenance Technology, associate in applied science, 5 semesters
Eastern Kentucky University	Bachelor of Science in Aviation with a concentration in Aerospace Management, Professional Flight or Aerospace Technology
Somerset Community College	Associate in Applied Science in Aviation Maintenance Technology; Airframe and Powerplant Maintenance Technician, Airframe Maintenance Technician, Powerplant Maintenance Technician
Hazard Community and Technical College	Unmanned Aircraft Systems Collegiate Training Initiative (drone)

Academic Common Market programs are available in other member states at reduced, usually in-state, tuition. Go to SREB.org and search for ACADEMIC COMMON MARKET for more information.

Degree Name	Title/Concentration	Institution
Bachelor of Science	Aviation Technology/Aviation Maintenance Management	Fairmont State University, WV- tuition (around) \$4,000/semester
Bachelor of Science	Aeronautical and Industrial Technology	Tennessee State University, TN - tuition (around) \$4,000/semester
	Aerospace/Flight Dispatch	Middle TN State U, TN - tuition (around) \$4,500/semester
	Aerospace Maintenance Management	MTSU, TN- tuition (around) \$4,500/semester
	Aerospace/Unmanned Aircraft Systems Ops	MTSU, TN - tuition (around) \$4,500/semester
Bachelor of Aerospace Engineering	Aerospace Engineering	Auburn University (at junior level), ALA - tuition (around) \$5,900/semester
Bachelor of Science	Aerospace Engineering	Mississippi State University, MS - tuition (around) \$4,400/semester
		Oklahoma State university, Stillwater, OK - tuition (around) \$6,600/semester
Master of Science	Aerospace Engineering	Old Dominion University, VA - tuition (around) \$3,500/semester
Bachelor of Science Aerospace Engineering		University of Alabama (undergrad only), ALA - tuition (around) \$5,000/semester
Bachelor of Science	Aerospace Engineering	University of Oklahoma, OK - tuition (around) \$6,500/semester
Master of Science	Aerospace Engineering	University of TN- Knoxville - tuition (around) \$6,600/semester
Doctor of Philosophy	Aerospace Engineering	University of TN- Knoxville
Bachelor of Science in Aerospace Engineering	Aerospace Engineering	University of Alabama in Huntsville - tuition (around) \$4,800/semester
Master of Science	Aerospace Systems Engineering	University of Alabama in Huntsville
Master of Science	Aeronautical Science	MTSU, TN - tuition (around) \$4,500/semester
Bachelor of Science	Aviation Science and Management	Middle Georgia State University (online and traditional)

Job	Education	Requirements	2019 Salary median	Employment growth forecast
<p>Aerospace Engineer Perform engineering duties in designing, constructing, and testing aircraft, missiles, and spacecraft. May conduct basic and applied research to evaluate adaptability of materials and equipment to aircraft design and manufacture. May recommend improvements in testing equipment and techniques.</p>	<p>Bachelor, Masters, PhD</p> <p>In KY: Morehead State University (part of Engineering Physics track)</p> <p>AE Engineering Certificate: UK, U of L.</p>	<p>Professional engineering license, continuing education</p>	<p>\$72,000 - \$171,000</p>	<p>3%</p>
<p>Aerospace Engineering and Ops Technician Operate, install, adjust, and maintain integrated computer/communications systems, consoles, simulators, and other data acquisition, test, and measurement instruments and equipment, which are used to launch, track, position, and evaluate air and space vehicles. May record and interpret test data.</p>	<p>Skills based programs to earn certification through the FAA</p>		<p>\$67,000 - \$74,000</p>	<p>7%</p>
<p>Air Traffic Controller Air traffic controllers coordinate the movement of aircraft to maintain safe distances between them.</p>	<p>There are several different paths to becoming an air traffic controller. A candidate must have either 3 years of progressively responsible work experience, a bachelor's degree, a combination of postsecondary education and work experience totaling three years, or obtain a degree through an Federal Aviation Administration (FAA)-approved Air Traffic</p>	<p>Additionally, to become an air traffic controller, candidates must</p> <ul style="list-style-type: none"> • be a U.S. citizen; • pass a medical evaluation, including drug screening, and background checks; • pass the FAA preemployment test, which includes a biographical assessment; • pass the Air Traffic Controller Specialists Skills Assessment Battery (ATSA); and • complete a training course at the FAA Academy (and start 	<p>\$130,420</p>	<p>10%</p>

	Collegiate Training Initiative (AT-CTI) program.	it before turning 31 years of age).		
Aircraft and Avionics Equipment Mechanics and Technicians Aircraft and avionics equipment mechanics and technicians repair and perform scheduled maintenance on aircraft.	Some aircraft and avionics equipment mechanics and technicians learn their trade at an Federal Aviation Administration (FAA)-approved aviation maintenance technician school. Others are trained on the job or learn through training in the military. Aircraft mechanics and avionics technicians typically are certified by the FAA.	In order to maintain their certification, aircraft mechanics must inspect or repair aircraft every 90 days and attend a refresher course every two years.	\$66,680	5%
Airline and Commercial Pilots Airline and commercial pilots fly and navigate airplanes, helicopters, and other aircraft.	Most airline pilots and commercial airline pilots attain an associate or bachelor's degree from a certified civilian flight school or train with a certified instructor to begin a commercial airline pilot career. Many employers require pilots to have a degree.	Commercial pilots and airline pilots carrying passengers or cargo need a commercial pilot's license, an instrument rating, be 18 or older and have 250 hours of flight experience. In addition, many companies require employees to undergo physical, psychological and aptitude tests to make sure they can handle the enormous amount of stress they face during an airline pilot career. Company training for pilots often includes 6-8 weeks of ground school with an exam, 25 hours of flight time and yearly training to keep their certification up-to-date. As of 2013, new requirements ensure airline captains and first officers have a transport pilot license which includes 1500	\$130,440	5%

		hours of flight time, both written and flight exams, advanced ratings and passing physical examinations.		
Flight Attendants Monitor safety of the aircraft cabin. Provide services to airline passengers, explain safety information, serve food and beverages, and respond to emergency incidents.	Flight attendant training usually lasts three to six weeks and covers topics such as emergency procedures and flight regulations. In addition, qualified flight attendants need certification from the Federal Aviation Administration (FAA), they also need to complete training on practice flights.	People interested in a flight attendant career need a high school diploma or equivalent, be at least 18 years of age or older and be eligible to work in the U.S. There are specific physical and medical requirements.	\$59,000	17%
Aircraft structure, surfaces, rigging and systems assemblers Assemble, fit, fasten, and install parts of airplanes, space vehicles, or missiles, such as tails, wings, fuselage, bulkheads, stabilizers, landing gear, rigging and control equipment, or heating and ventilating systems.			\$56,000	
Aircraft cargo handling supervisors				5.4%