

OBION COUNTY CENTRAL HIGH SCHOOL AVIATION

STEM

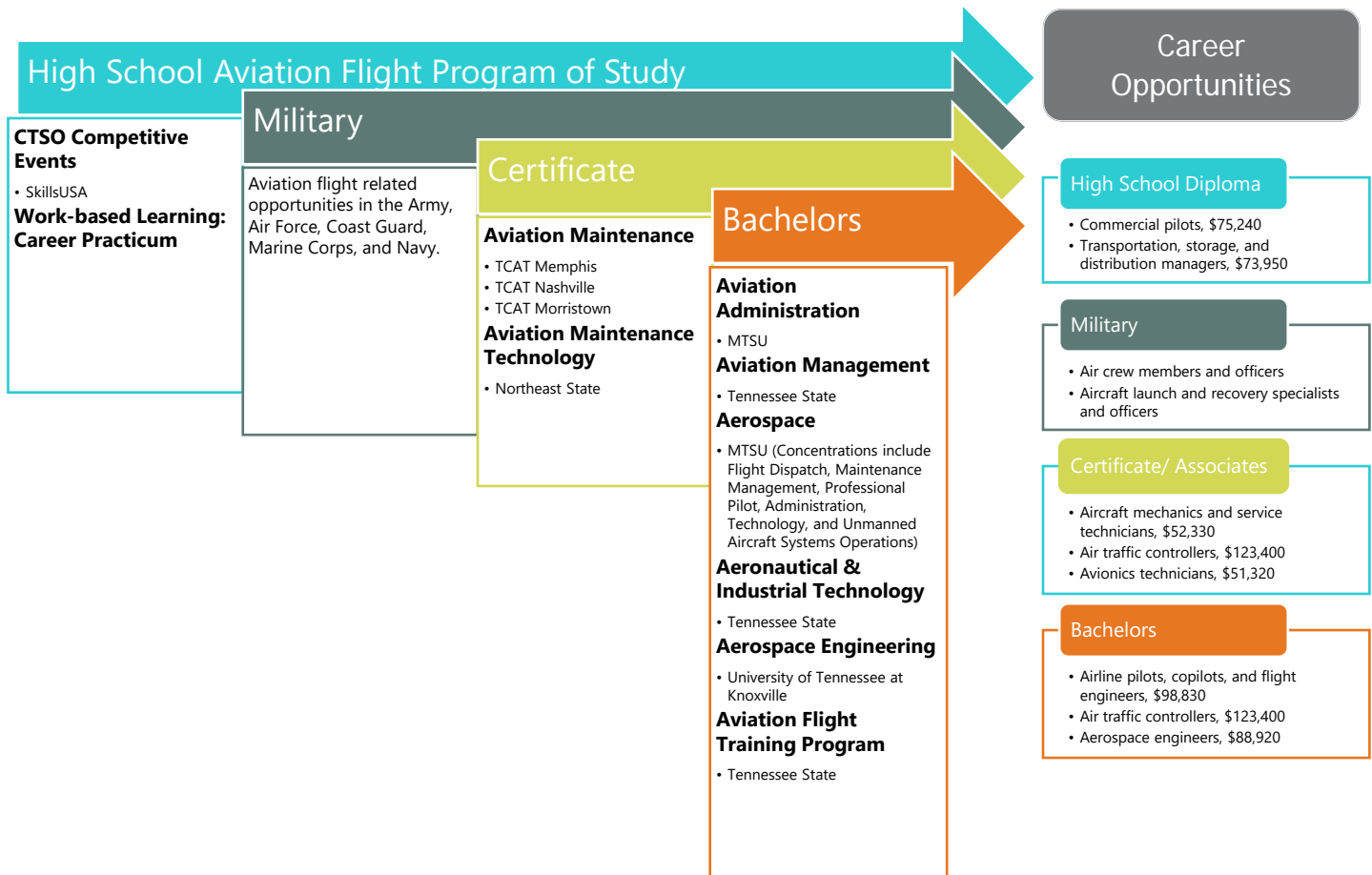


ABOUT THE PROGRAM OF STUDY

The Aviation Flight program of study prepares students to be successful in a range of aviation careers, such as pilots, aircraft engineers, air traffic control specialists, aircraft mechanics, or airline statisticians. Course content covers the knowledge and skills of all aspects of flight needed to pass the Federal Aviation Administration (FAA) Private Pilot written exam, including aircraft structures, flight environment, procedures and regulations, aerodynamics of flight, judgment training, navigation, and communications. Upon completion of this program of study, students will be prepared to take the FAA Private Pilot written exam and will be able to advance more quickly through the training hours typically required to solo in an aircraft after graduating. Dual credit or dual enrollment opportunities may be established with local postsecondary institutions.

Dual credit/ dual enrollment options:

- Aeronautics Science Technology w/MTSU



CAREER OPPORTUNITIES

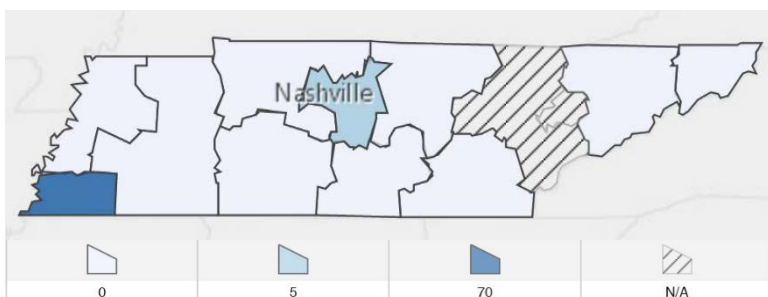
The air transportation workers occupation group is projected to grow by 32.5 percent in Tennessee between 2014 and 2022 with a total annual average of 165 openings. Employment of airline pilots, copilots, and flight engineer is expected to grow by 60.4% with 45 annual average openings projected per year. Growth is also anticipated for commercial pilots, yet this is a smaller occupation with 20 annual average openings expected. Additional opportunities for students in this program of study are available in air traffic control where 40 annual average openings are projected. The Memphis area was reported to have the highest concentration of employment of airline pilots, copilots, and flight engineers in May 2014 with 310 reported to be employed.¹

¹ Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Employment and Wages, May 2014*, 53-2011 Airline Pilots, Copilots, and Flight Engineers. (2015, March 25) Retrieved February 26, 2016, from <http://www.bls.gov/oes/current/oes532011.htm>

Aviation Flight Related Occupations with the Most Annual Average Openings in Tennessee (2014-2022)

Occupation	Total Percent Change	Annual Avg. Openings
First-Line Supervisors of Mechanics, Installers, and Repairers	6.3%	335
First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	9.9%	175
Transportation, Storage, and Distribution Managers	8.0%	130
Aircraft Mechanics and Service Technicians	11.6%	80
Airline Pilots, Copilots, and Flight Engineers	60.4%	45
Air Traffic Controllers	17.1%	40
Avionics Technicians	38.5%	30
Commercial Pilots	11.0%	20
Aircraft Cargo Handling Supervisors	9.8%	10

Annual Average Openings for Airline Pilots, Copilots, and Flight Engineers in Tennessee (2014-2022)



Source: TN Department of Labor and Workforce Development. (2015). Employment Security Division, Labor Market Information Section, on the internet at <https://www.jobs4tn.gov/> (visited Feb. 25, 2016)

POSTSECONDARY OPTIONS



Have you registered for the Tennessee Promise? Seniors enrolled in this program have the chance to attend a two-year program at a Tennessee College of Applied Technology (TCAT), community college, or some 2-year university community college, or some 2-year university programs for free! To learn more, please see your school counselor or visit <http://www.tennesseepromise.gov>.

School	Degree Program
TCAT Memphis	Aviation Maintenance
TCAT Nashville	Aviation Maintenance
TCAT Morristown	Aviation Maintenance

For more college and career planning resources, visit <http://collegefortn.org>.

Students in this program of study will be eligible to join SkillsUSA. In addition to school events, students will be able to compete at the regional, state, and national level. Through SkillsUSA, students not only learn about aviation flight, but also professionalism, leadership, and workplace skills. Walk away from your high school career with experience in competing, networking, applying course content, and more!

See your teacher to learn more about SkillsUSA or visit <http://tnskillsusa.com/>.



For more information, contact:

Obion County Schools
CTE Director: George Leake
leakeg@ocboe.com

Instructor: Kim Crews
kcrews@ocboe.com