# LIFT ACADEMY AIRCRAFT & TRAINING DEVICES

Discover the state-of-the-art fleet that Aviation Science Program students at Tuskegee University will train on at Moton Field. Through our partnership with LIFT Academy, students gain hands-on experience with cutting-edge aircraft and advanced training devices designed to prepare them for professional pilot careers.





# DA-40: YOUR GATEWAY TO MODERN AVIATION

The DA-40 is a versatile and modern single-engine aircraft designed for both training and cross-country flights. Known for its sleek composite construction and efficient fuel usage, this aircraft represents the perfect introduction to professional aviation training.

At Tuskegee University's Moton Field, students will benefit from learning in this cutting-edge aircraft, gaining the skills necessary to operate in today's increasingly technology-driven aviation environment. The DA-40's advanced systems provide an ideal platform for building foundational piloting skills while experiencing the technology used in modern commercial aviation.

## **Key Features**

- Sleek composite construction for enhanced performance
- Efficient fuel usage reducing training costs
- Garmin G1000 glass cockpit with advanced avionics
- Ideal for both training and cross-country operations



# **OUR GROWING DA-40 FLEET AT MOTON FIELD**

9

DA-40 Aircraft

Currently operational at Moton Field

100%

Gl000 Equipped

All aircraft feature advanced glass cockpit technology

24/7

Training Access

Fleet availability supports comprehensive training schedules

There are currently nine DA-40 aircraft located at Moton Field, forming the backbone of our primary flight training program. This number will continue to grow in the coming months as the program expands to meet increasing student demand and training requirements. Each aircraft is meticulously maintained to the highest standards, ensuring safety and reliability for every training flight.

# **DA-42: ADVANCED MULTI-ENGINE TRAINING**

The DA-42 is a state-of-the-art twin-engine aircraft renowned for its performance, safety, and efficiency, making it an excellent choice for advanced flight training at Moton Field. This sophisticated aircraft represents the next step in a student pilot's journey, providing critical multi-engine experience essential for professional aviation careers.

Equipped with a Garmin G1000 glass cockpit, the DA-42 offers Tuskegee University students hands-on experience with modern avionics and multi-engine operations. Its fuel-efficient engines and advanced safety systems, including anti-ice technology and exceptional redundancy, provide an ideal platform for developing the skills needed to manage complex aircraft in today's competitive aviation industry.



# FRASCA ADVANCED AVIATION TRAINING DEVICES



The Frasca Advanced Aviation Training Devices (AATDs) at Tuskegee University, provided through the partnership with LIFT Academy, are cutting-edge flight simulators designed to offer realistic and immersive training experiences at Moton Field.

These state-of-the-art AATDs replicate the cockpit environment of both the DA-40 and DA-42 aircraft, allowing students to practice and master essential flight skills, navigation, and emergency procedures in a highly controlled setting. This technology-driven approach reduces training costs while significantly enhancing safety by allowing students to experience challenging scenarios without risk.



# Garmin G1000 Glass Cockpit



#### **Advanced Avionics Suite**

Experience the same technology found in larger, more complex aircraft used by professional pilots worldwide.



## **Integrated Navigation**

Master modern navigation systems with realtime flight data and comprehensive situational awareness tools.



## **Digital Flight Displays**

Train on state-of-the-art digital instruments that have become the industry standard in modern aviation.

The Garmin G1000 glass cockpit system equips students with experience on the advanced avionics suite typically found in larger, more complex aircraft. This technology-driven training environment prepares Tuskegee students for the modern aviation industry, where digital flight systems are the standard.

# TRAINING PROGRESSION AT MOTON FIELD



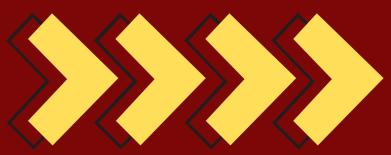
## **Simulator Training**

Master procedures and build foundational skills in the Frasca AATD.



## **Multi-Engine Training**

Advance to the DA-42 for sophisticated multi-engine operations and commercial pilot preparation.



## **Single Engine Training**

Apply skills in real flight with single-engine training aircraft



#### **Career Ready**

Complete training with the skills and certifications needed for professional aviation careers.



# Your Aviation Future Starts at Moton Field

Through the partnership with LIFT Academy, Tuskegee University Aviation Science Program students train on a world-class fleet of modern aircraft and advanced training devices at historic Moton Field, preparing the next generation of professional pilots with cutting-edge technology and comprehensive training.

#### **Modern Fleet**

DA-40 and DA-42 aircraft with Garmin G1000 glass cockpits

#### **Advanced Simulators**

Frasca AATD devices for safe, cost-effective training

## **Professional Preparation**

Complete training ecosystem for aviation career success