

GEORGE T. BAKER AVIATION TECHNICAL COLLEGE

www.BakerAviationTechCollege.com

PROGRAM HIGHLIGHTS

- GTBATC is a Miami-Dade County Public School
- Our high school graduates who begin sophomore year can graduate with a high school diploma and may qualify for and FAA license ready to earn up to \$25-28/hr
- GTBATC offers a dual-enrollment program, sharing time between your home school and earning your elective credits towards graduate here
- You can enroll at Baker as a freshman, sophomore, junior, or senior
- Our job placement specialist can assist you in finding a job upon completion of high school
- High school students enroll at NO COST!
- Program completers may qualify or scholarships and transfer credits to a local college

**Start
Your
Career
Today!**

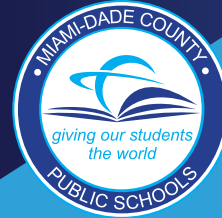


Call **(305) 871-3143**

or visit us at:

3275 N.W. 42 Avenue, Miami, FL 33142

GEORGE T. BAKER AVIATION
TECHNICAL COLLEGE
is located at 3275 N.W. 42 Avenue,
adjacent to the Miami International
Airport. The school is a public,
tax-supported institution authorized by
the Florida Department of Education
and operated by the Miami-Dade County
Public Schools System. It is certificated
by the Federal Aviation Administration
(FAA), Certificate #CT9T072R, under Part
147 of the Federal Aviation Regulations
and is accredited by the Council on
Occupational Education.



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HIGH SCHOOL DUAL-ENROLLED PROGRAMS



**START YOUR PATH TO A
COLLEGE DEGREE TODAY!**



**GEORGE T. BAKER AVIATION
TECHNICAL COLLEGE**

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AIRCRAFT MAINTENANCE MECHANICS

TARGET GROUP
10, 11 and 12 GRADE STUDENTS

This program prepares students for employment as an aircraft mechanic. Students who complete the Airframe and/or Powerplant Technician Program(s) are eligible to take the Federal Aviation Administration written and the oral examinations to become a certified Airframe or Powerplant mechanic.

High school students may complete the second program as a Postsecondary student. The technical college is certified by the FAA under Certificate #CT9T072R.

General: 1-yr prerequisite for the Airframe & Powerplant Mechanic Programs

Airframe: 2-yr program consisting of an in depth study of aircraft structures and systems

Powerplant: 2-yr program consisting of an in depth study of powerplant theory and maintenance of aircraft engine operations and systems

Requirements: 2.0 GPA, attendance and conduct

Credits: Nine elective credits Aviation

Major Interest: Aviation Maintenance Mechanic

GENERAL CURRICULUM

- Mathematics
- Flight Theory
- Weight & Balance
- Materials & Processes
- Aircraft Drawing
- Ground Handling
- Basic Electricity
- Basic Physics
- Maintenance Forms & Records
- Maintenance Publications
- Mechanics, Privileges & limitations
- Non-destructive testing
- Hand Tools
- Fluid Lines & Fittings
- Corrosion Control

AIRFRAME

- Assembly & Rigging Wood Structures
- Aircraft Covering
- Aircraft Finishes
- Aircraft Inspection
- Sheetmetal
- Composites
- Welding
- Landing Gear
- Fire Protection
- Communication/Navigation
- Airframe Electrical
- Position & Warning
- Cabin Atmosphere
- Ice & Rain Removal
- Hydraulics & Pneumatics
- Fuel & Instrument Systems

POWERPLANT

- Reciprocating Engine Theory
- Reciprocating Overhaul
- Turbine Engine Theory
- Turbine Engine Overhaul
- Engine Removal & Installation
- Engine Operation, Troubleshooting & Repair
- Engine Inspection
- Ignition Systems
- Fuel Systems & Metering
- Lubrication Systems
- Electrical & Starting Systems
- Engine Instruments Systems
- Propellers
- Engine Cooling Systems
- Engine Induction Systems
- Engine Exhaust & Reverser
- Fire Protection

AVIATION ASSEMBLY TECHNICIANS

TARGET GROUP: 9 GRADE STUDENTS

This program provides a comprehensive, action-based foundation of knowledge and experience for a wide variety of career in Aerospace Technology.

Requirements: 2.0 GPA, attendance and conduct

Credits: Three elective credits

Major Interest: Aviation Maintenance Mechanic

CURRICULUM

- Principals of Flight
- Aircraft Structures
- Aircraft Powerplant
- Use & Maintain of Aviation Tools
- Corrosion Control
- Basic Knowledge of Metallic/Composite
- Assembly Fixed Wing & Rotary
- Maintenance Forms and Records

AVIONICS SYSTEM TECHNICIAN

TARGET GROUP
10, 11 and 12 GRADE STUDENTS

The Avionics Systems Technician program prepares students for entry-level positions in avionics and develops academic, technical, and professional skills required for job acquisition, retention, and advancement. The curriculum includes a combination of electronics and avionics theory and practical applications necessary for successful employment. Program graduates receive an Avionics Technology program completion certificate.

Requirements: 2.0 GPA, attendance and conduct

Credits: Nine elective credits Aviation

Major Interest: Aviation Maintenance Mechanic

CURRICULUM

- A.C. Circuits
- D.C. Circuits
- Solid State Devices
- Employability Skills
- Digital Circuits
- Radio Repair Stations
- Navigations Systems
- Line & Bench Maintenance
- Line & Bench Radar System
- Installing Avionics Systems
- Aircraft Electrical Systems
- Operation of Area Navigation
 - AM & FM Transmitters
 - AM & FM Receivers
 - AM * Transceivers
 - Analog Circuits
- Calibration of Test Equipment
- Electromagnetics Wave Emissions
- Line & Bench Maintenance of Radio
- Soldering & Basic Laboratory Practices

