



George T. Baker Aviation School - Miami-Dade County Public Schools - 3275 N.W. 42 Avenue, Miami, Florida 33142

# HIGH SCHOOL AEROSPACE TECHNOLOGY PROGRAM

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

**Target Group:** 9th Grade Students

**Credits:** Three Elective Credits (one year program)

## Course Curriculum

### Development of Aviation

Theory of flight  
Manned space flight  
Unmanned space flight  
Universe

### Power Systems

Jet engines  
Rocket engines  
Solar cells  
Nuclear power

### Systems Used in Space Environment

Electrical  
Mechanical  
Fluid  
Pneumatic

### Computer Applications

Robotics  
Computer Assisted Drawing (CAD)  
Word processing  
Flight simulator  
Graphics

### Aerospace Communication

Mathematics and Science

### Aerospace Environment

Quality assurance  
Human performance  
Weather performance  
Colonization of space

### Employability Skills

### Aerospace Occupations

Numerous projects involving kites, hot air balloons, parachutes, gliders, aircraft powered and non-powered models, weather stations, and wind tunnels are used throughout the curriculum to demonstrate concepts and enhance understandings.

**See your counselor or occupational placement specialist for more details.**

George T. Baker Aviation School is accredited by the Accrediting Commission  
of the Council on Occupational Education