

# FIXED WING FLIGHT TRAINING (FWT)

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## FWT 101 (4 credit hours)

### Private Pilot Fixed Wing Ground School

Covers fundamentals of fixed wing flight, flight operations, aviation weather, performance, navigation, aircraft systems, aeronautical publications, FAA regulations, flight planning, radio procedures, and metrology and human factors. Prepares students for the FAA Fixed Wing Private Pilot Airman Knowledge Exam. Lecture: 4.0 credits (60 contact hours).

**Attributes:** Technical

**Components:** LEC: Lecture

## FWT 102 (2 credit hours)

### Private Pilot Fixed Wing Flight Lab

Introduces the student to the fundamentals of fixed wing flight and the practical application of aviation weather, performance, navigation, FAA regulations, flight planning, radio procedures, and human factors. Prepares students to take the Federal Aviation Administration Fixed Wing Private Pilot Practical Test Standards examination. Laboratory: 2.0 credits (60 contact hours).

**Pre-requisite:** FWT 101 and Proof of valid Second Class (or higher) Medical Certificate.

**Attributes:** Technical

**Components:** LAB: Laboratory

## FWT 103 (4 credit hours)

### Fixed Wing Aircraft Instrument Pilot Ground School

Prepares students for the FAA fixed wing Instrument knowledge test and includes an in-depth study of aircraft flight instruments, basic attitude instrument flying, Instrument Flight Rules (IFR) navigation systems and procedures, aviation weather, applicable Federal Aviation Regulations (FAR), and the instrument charts required for IFR flight. Lecture: 4.0 credits (60 contact hours).

**Pre-requisite:** FWT 101, FWT 102.

**Attributes:** Technical

**Components:** LEC: Lecture

## FWT 104 (2 credit hours)

### Fixed Wing Instrument Pilot Flight Lab

Prepares students for the fixed wing FAA Instrument Flight Practical Test Standards exam and the FAA Instrument Flight Rating. Includes in-depth demonstration of in-flight mastery of aircraft flight instruments. Features attitude instrument flying, Instrument Flight Rules (IFR) navigation and procedures, aviation weather procedures, applicable Federal Aviation Regulations (FAR), and mastery of the instruments required for IFR flight. Laboratory: 2.0 credits (60 contact hours).

**Pre-requisite:** FWT 101, FWT 102, and FWT 103.

**Attributes:** Technical

**Components:** LAB: Laboratory

## FWT 105 (3 credit hours)

### Fixed Wing Commercial Pilot Ground School

Reviews the principles of fixed wing flight, aircraft systems, pertinent federal aviation regulations and airman publications and service in order to prepare the student for the FAA Commercial Fixed Wing Pilot airman knowledge exam. Lecture: 3.0 credits (45 contact hours).

**Pre-requisite:** FWT 101, and FWT 102 or Private Pilot Certificate, and FWT103.

**Co-requisite:** FWT104.

**Attributes:** Technical

**Components:** LEC: Lecture

## FWT 106 (2 credit hours)

### Commercial Flight Lab

Introduces student pilots to more advanced fixed wing flight maneuvers and the practical application of in-flight aviation weather, aircraft performance, navigation, with Federal Aviation Administration (FAA) regulations, flight planning, radio procedures, and human factors. Complies with FAA flight hour and certification requirements to qualify students to apply for the FAA Commercial Fixed Wing Pilot Practical Test Standard (PTS) examination. Laboratory: 2.0 credits (60 contact hours).

**Pre-requisite:** FWT 101, FWT 102, FWT 103, FWT 104, and FWT 105.

**Attributes:** Technical

**Components:** LAB: Laboratory

## FWT 107 (4 credit hours)

### Certified Flight Instructor Fixed Wing

Reviews the principles of fixed wing flight, aircraft systems, pertinent federal aviation regulations, and airman publications and service in order to prepare the student for the FAA Certified Flight Instructor Practical Test Standard (PTS). Lecture: 4.0 credits (60 contact hours).

**Pre-requisite:** FWT 101 (or Private Pilot Certificate), FWT 102, FWT 103, FWT 104, FWT 105 and FWT106.

**Attributes:** Technical

**Components:** LEC: Lecture

## FWT 108 (2 credit hours)

### Certified Flight Instructor Fixed Wing Lab

Reviews student in-flight mastery of the fixed wing principles of flight, aircraft systems, pertinent federal aviation regulations, and airman publications and service in order to prepare the student for the fixed wing FAA Certified Flight Instructor Practical Test Standards (PTS) exam. Laboratory: 2.0 credits (60 contact hours).

**Pre-requisite:** FWT 101, FWT 102, FWT 103, FWT 104, FWT 105, FWT 106, and FWT 107.

**Attributes:** Technical

**Components:** LAB: Laboratory