



# **PRIVATE PILOT**

## SINGLE ENGINE AIRPLANE

Hursa Corp x Lucky Aviation 2021



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# Stage One

## Objectives

To teach the student the aeronautical knowledge, and give them the aeronautical experience required for solo flight.

## Completion Standards

This stage will be complete when the student exhibits aeronautical knowledge and skills describe in 14 CFR Part 61.87 - Requirements for Solo Flight and is prepared to conduct safe solo flight.

# Introduction to Flight

Induction to Flight

Stage 1 Lesson 1

Dual Flight

Lesson Time 1.0

## Objectives

Introduce the student flight.

## SBT

*Plan a costal sight-seeing flight choosing a land mark to orbit.*

## Tasks

Pre Flight

Use of Checklists

Positive Exchange of Flight Controls

Taxiing

Normal Takeoff

Climbs

Straight and Level

Turns

Decents

Normal / Crosswind Landing

Post Flight

## Completion Standards

The student has been introduced to and completed the tasks of the lesson.

Induction to Flight  
Stage 1 Lesson 2  
Ground Lesson  
Lesson Time 2.0

*Induction to Flight*

**Objectives**

This lesson will serve as the student's initial ground briefing on Fundamentals of Flight, Pro Standards Flight Operations, Pro Standards checklists, and Pro Standards Procedures. Additionally, the instructor will introduce the aeronautical knowledge elements required prior to initial solo referencing applicable POH, the AFH, and the PHAK.

**SBT**

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**Tasks**

Introduction to Pro Standards Training Program  
Course Overview  
Required Course Materials  
Course Policies  
Being PIC  
Command-ability  
Professionalism  
Human Factors  
ADM  
SRM  
CRM  
TEM  
Local Operations  
Practice Area Review  
Collision Hazards  
Aviation Security  
Runway Incursion Avoidance  
National Airspace System  
Operation of Systems  
Flight Deck Management

**Completion Standards**

The student demonstrates an understanding of the knowledge elements required for Fundamentals of Flight, Safety of Flight Items, and the required aeronautical knowledge elements relating to Operation of Systems and National Airspace system. The lesson will be complete once the instructor has introduced all the required Tasks and subsequent elements to the student.

# Fundamentals of Flight

Fundamentals of Flight  
Stage 1 Lesson 3  
Procedures Training  
Lesson Time 1.0

## Objectives

The instructor will introduce the student to the required callouts, flows, and checklist Items in accordance with the Pro Standards' SOPA.

## SBT

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## Tasks

Pro Standards Checklist Philosophy (SOPA)  
Initial Aircraft Acceptance (SOPA)  
Standard Callouts (SOPA)  
Use of Checklists  
Positive Exchange of Flight Controls  
Before Start (SOPA)  
Engine Priming (SOPA)  
Engine Starting (SOPA)  
Before Taxi (SOPA)  
Before Takeoff (SOPA)  
Takeoff (SOPA)  
Climb (SOPA)  
Cruise (SOPA)  
Pre-Maneuver Flow (SOPA)  
Decent (SOPA)  
After Landing (SOPA)  
Shutdown/Secure (SOPA)  
Flight Deck Management  
Taxiing

## Completion Standards

The student demonstrates an understanding of the knowledge elements required for checklist philosophy, use of flows, cockpit procedures, safety of flight items, and the required aeronautical knowledge elements relating to operation of systems. The lesson will be complete once the instructor has introduced all the required Tasks and subsequent elements to the student.



## Fundamentals of Flight

### Stage 1 Lesson 4

#### Maneuvers Brief

Lesson Time 0.5

#### Objectives

This lesson will serve as the student's first opportunity to practice the skills and knowledge acquired in previous lessons relating to Fundamentals of Flight, callouts, flows, checklists and procedures. Additionally, the instructor will discuss with the student elements relating to Preflight Assessment to include Weather Information, Initial Aircraft Acceptance, and Performance and Limitations.

#### SBT



#### TASKS

Control and Performance Method Overview  
Straight-and-Level Flight (Visual Reference)  
Constant Airspeed Climbs (Visual Reference)  
Constant Airspeed Descents (Visual Reference)  
Turns to Headings (Visual Reference)  
Climbing Turns (Visual Reference)  
Descending Turns (Visual Reference)

#### Completion Standards

The student demonstrates an understanding of the knowledge elements required for Fundamentals of Flight, Safety of Flight Items,

**Fundamentals of Flight**  
**Stage 1 Lesson 5**  
**Dual Flight**  
**Lesson Time 2.0**

**Objectives**

This lesson will serve as the student's first opportunity to practice the skills and knowledge acquired in previous lessons relating to Fundamentals of Flight, callouts, flows, checklists and procedures.

**SBT**



**TASKS**

Airworthiness Acceptance  
Standard Callouts (SOPA)  
Use of Checklists  
Positive Exchange of Flight Controls  
Collision Hazards  
Runway Incursion Avoidance  
Weather Information  
Performance and Limitations  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Control and Performance Method Overview  
Coordination Demonstration (Standardization Manual)  
Adverse Yaw Demonstration (Standardization Manual)  
Lateral Stability Demonstration (Standardization Manual)  
Straight-and-Level Flight (Visual Reference)  
Constant Airspeed Climbs (Visual Reference)  
Constant Airspeed Descents (Visual Reference)  
Turns to Headings (Visual Reference)  
Climbing Turns (Visual Reference)  
Descending Turns (Visual Reference)  
After Landing, Parking and Securing

**Notes:** 1.4 Hrs. Dual Flight Training and 0.5 hrs. Pre and Post Briefing (Suggested)

**Completion Standard**

The student demonstrates the aeronautical knowledge and skill required to perform the tasks related to Fundamentals of Flight. The lesson will be complete once the instructor has introduced all the required Tasks and subsequent elements to the student.

## Fundamentals of Flight

### Stage 1 Lesson 6

#### Ground Lesson

Lesson Time 4.0

### *Aircraft Systems*

#### **Objectives**

Exhibit knowledge of the principles of powerplants and aircraft systems.

#### **SBT**

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#### **TASK**

Powerplant and Propeller

Ignition System

Engine Cooling Systems

Exhaust Systems

Starting System

Combustion

Fuel and Oil Systems

Electrical System

Hydraulic Systems

Landing Gear

Environmental

Oxygen Systems

Anti-ice and Deice Systems

Electronic Flight Instruments

Pitot-Static Flight Instruments

Gyroscopic Flight Instruments

Compass Systems

#### **Completion Standards**

Exhibit knowledge of the principles of aircraft systems through written and oral examination.

# Maneuvers

## Maneuvers

### Stage 1 Lesson 7

#### Maneuvers Briefing

#### Lesson Time 1.0

## Objectives

All maneuvers will be introduced in accordance with the Pro Standards Standardization Manual with reference to the applicable POH, the AFH, and the PHAK.

## SBT

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## TASK

Safety of Flight

Aeronautical Decision Making and Risk Management

Collision Hazards

Controlled Flight into Terrain Awareness

Situational Awareness

Wire Strike Avoidance

Aviation Security

Pilot Qualifications

Weather Information

Performance and Limitations

Traffic Patterns

Airport, Taxiway, and Runway Signs and Markings

Normal Takeoff and Climb

Normal Approach and Landing

Steep Turns

Maneuvering During Slow Flight

Power-Off Stalls

Power-On Stalls

Spin Awareness

## Completion Standard

The student demonstrates an understanding of the required knowledge of the tasks related to Preflight Assessment, Normal Takeoffs and Landings, basic Traffic Pattern and Airport Operations, Stalls, Slow Flight, and Steep Turns. The lesson will be complete once the instructor has introduced all the required Tasks and subsequent elements to the student.

**Maneuvers**  
**Stage 1 Lesson 8**  
**Dual Flight**  
**Lesson Time 2.0**

**Objectives**

The student will practice the skills associated with Preflight Assessment, Normal Takeoffs and Landings, basic Traffic Pattern and Airport Operations, Stalls, Slow Flight, and Steep Turns.

**SBT**

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**TASK**

Safety of Flight  
Aeronautical Decision Making and Risk Management  
Collision Hazards  
Weather Information  
Performance and Limitations  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Steep Turns  
Maneuvering During Slow Flight  
Power-Off Stalls  
Power-On Stalls  
Spin Awareness  
After Landing, Parking and Securing

**Notes:** 1.0 Pre Brief / 1.5 Flight / .3 Post Briefing

**Completion Standard**

This lesson will be graded at +50% ACS. The student demonstrates an understanding of the elements related to the tasks of Stalls, Slow Flight, and Steep Turns by performing the tasks in accordance to the Pro Standards Standardization Manual within the prescribed standards of the Private Pilot Airplane Airman Certification Standards, and at no time will the safe outcome of the flight be in doubt.

**Maneuvers****Stage 1 Lesson 9****Ground Lesson****Lesson Time 2.0***Fundamentals of Flight***OBJECTIVES**

Exhibit knowledge of the principles of aerodynamics, and stall awareness, spin entry, spins, and spin recovery techniques.

**SBT****TASKS**

Lift and Basic Aerodynamics  
Major Components and Subcomponents  
Types of Aircraft Construction  
Structure of the Atmosphere  
Theories in the Production of Lift  
Airfoil Design  
Forces Acting on the Aircraft  
Wingtip Vortices and Ground Effect  
Axes of an Aircraft  
Aircraft Design Characteristics  
Aerodynamic Forces in Flight Maneuvers  
Stalls and Spins  
Stall/Spin Awareness  
Propeller Principles  
Load Factors  
Primary Flight Controls  
Secondary Flight Controls  
Coordinated Flight  
Adverse Yaw

**Completion Standards**

Exhibit knowledge of the principles of aerodynamics, and stall awareness, spin entry, spins, and spin recovery techniques through written and oral examination.

**Maneuvers**  
**Stage 1 Lesson 10**  
**Dual Flight**  
**Lesson Time 2.0**

**Objectives**

The student will practice the skills associated with Preflight Assessment, Normal Takeoffs and Landings, basic Traffic Pattern and Airport Operations, Stalls, Slow Flight, and Steep Turns. Emphasis will be on developing the student's understanding of the associated tasks and the relevant aircraft performance.

**SBT**



**TASK**

Safety of Flight  
Weather Information  
Performance and Limitations  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Steep Turns  
Maneuvering During Slow Flight  
Power-Off Stalls  
Power-On Stalls  
Spin Awareness  
After Landing, Parking and Securing

**Notes:** 1.4 Hrs. Dual Flight Training and 0.5 hrs. Pre and Post Briefing (Suggested)

**Completion Standard**

This lesson will be graded at +50% ACS. The student demonstrates an understanding of the elements related to the tasks of Stalls, Slow Flight, and Steep Turns by performing the tasks in accordance with the Pro Standards Standardization Manual within the prescribed standards of the Private Pilot Airplane Airman Certification Standards, and at no time will the safe outcome of the flight be in doubt.



**Maneuvers****Stage 1 Lesson 11****Ground Lesson****Lesson Time 2.0***Legal Requirements for Flight***OBJECTIVES**

Exhibit knowledge of applicable federal aviation regulations for private pilot privileges, limitations, and flight operations; accident reporting requirements of the National Transportation Safety Board; and applicable subjects of the "Aeronautical Information Manual" and appropriate FAA advisory circulars.

**SBT**

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**TASKS**

Federal Aviation Regulations (14 CFRs)

14 CFR Part 1 – Definitions and Abbreviations

14 CFR Part 43 – Maintenance, Preventive Maintenance, Rebuilding and Alteration

14 CFR Part 61 – Certification: Pilots, Flight Instructors, and Ground Instructors

14 CFR Part 91 – General Operating and Flight Rules

Aeronautical Information Manual

Advisory Circulars

NTSB Part 830

Airplane Flight Manuals

Aircraft Documents

Aircraft Inspections

Preventative Maintenance

Minimum Equipment Lists

Operations with Inoperative Equipment

Aircraft Owner/Operator Responsibilities

Airworthiness Directives

**Completion Standards**

**Maneuvers**  
**Stage 1 Lesson 12**  
**Maneuver Briefing**  
**Lesson Time 1.0**

**Objectives**

The student will practice the skills associated with Preflight Assessment, Normal Takeoffs and Landings, basic Traffic Pattern and Airport Operations, Stalls, Slow Flight, and Steep Turns. Emphasis will be on developing the student's understanding of the associated tasks and the relevant aircraft performance.

**SBT**

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**TASK**

**Ground ref**

**Maneuvers**  
**Stage 1 Lesson 13**  
**Dual Flight**  
**Lesson Time 2.0**

**Objectives**

The student will practice the skills Preflight Assessment, Normal Takeoffs and Landings, Traffic Pattern and Airport Operations, Stalls, Steep Turns and Ground Reference Maneuvers.

**SBT**

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**TASK**

Safety of Flight  
Runway Incursion Avoidance  
Land and Hold Short Operations (LAHSO)  
Wind Shear and Wake Turbulence Avoidance  
Weather Information  
Performance and Limitations  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Steep Turns  
Ground Reference Maneuvers (S-turns)  
Ground Reference Maneuvers (Turns around a point)  
Power-Off Stalls  
Spin Awareness  
Accelerated Stall (Standardization Manual)  
Crossed-Control Stall (CFI Demonstration)  
After Landing, Parking and Securing

**Completion Standard**

This lesson will be graded at +50% ACS. The student demonstrates an understanding of the elements related to the tasks of Stalls, Steep Turns, S-Turns, and Turns Around a Point by performing the tasks in accordance to the Pro Standards Standardization Manual within the prescribed standards of the Private Pilot Airplane Airman Certification Standards, and at no time will the safe outcome of the flight be in doubt.

**Maneuvers****Stage 1 Lesson 14****Dual Flight****Lesson Time 2.0****SBT****Objectives**

The student will practice the skills Preflight Assessment, Normal Takeoffs and Landings, basic Traffic Pattern and Airport Operations, Stalls, Steep Turns and Ground Reference Maneuvers.

**TASK**

Safety of Flight

Weather Information

Performance and Limitations

Preflight Assessment

Flight Deck Management

Engine Starting

Taxiing

Before Takeoff Check

Communications, Light Signals, and Runway Lighting Systems

Traffic Patterns

Normal Takeoff and Climb

Normal Approach and Landing

Ground Reference Maneuvers (Rectangular course)

Ground Reference Maneuvers (S-turns)

Ground Reference Maneuvers (Turns around a point)

Power-On Stalls

Spin Awareness

Elevator Trim Stalls (CFI Demonstration)

Secondary Stall (CFI Demonstration)

After Landing, Parking and Securing

**Completion Standard**

This lesson will be graded at +50% ACS. The student demonstrates an understanding of the elements related to the tasks of Stalls, Steep Turns, and Ground Reference Maneuvers by performing the tasks in accordance to the Pro Standards Standardization Manual within the prescribed standards of the Private Pilot Airplane Airman Certification Standards, and at no time will the safe outcome of the flight be in doubt.

# Systems Validation

Systems Validation  
Stage 1 Lesson 15  
Validation  
Lesson Time 2.0

## SBT

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## Objectives

The student will recite the aircraft limitations and demonstrate systems knowledge of the aircraft.

## TASKS

Aircraft Limitations  
Aircraft Systems

## Completion Standard

The student completes each task, from memory.

# Procedures Validation

Procedures Validation  
Stage 1 Lesson 16  
Validation  
Lesson Time 2.0

## SBT

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### Objectives

The student will complete each checklist in a CPT as a flow pattern, followed by the checklist verification with no more than one missed flow item per checklist with no missed items during checklist verification.

### TASKS

Before Start (SOPA)  
Engine Priming (SOPA)  
Engine Starting (SOPA)  
Before Taxi (SOPA)  
Before Takeoff (SOPA)  
Takeoff (SOPA)  
Climb (SOPA)  
Cruise (SOPA)  
In-Range (SOPA)  
After Landing (SOPA)  
Shutdown/Secure (SOPA)

### Completion Standard

The student completes each checklist, from memory, with a maximum on one missed item per checklist, with no missed items allowed during checklist verification.

# Maneuvers Validation

Maneuvers Validation  
Stage 1 Lesson 17  
Validation  
Lesson Time 2.0

## Objectives

The student will demonstrate the skills associated with Preflight Assessment, Normal Takeoffs and Landings, basic Traffic Pattern and Airport Operations, Stalls, Steep Turns and Ground Reference Maneuvers on a flight conducted by an instructor other than the student's assigned instructor. Emphasis will be on ensuring the student's understanding of the associated tasks and the relevant aircraft performance while focusing on VFR flight techniques.

## SBT

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## TASKS

Safety of Flight  
Weather Information  
Performance and Limitations  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Steep Turns  
Ground Reference Maneuvers  
Maneuvering During Slow Flight  
Power-Off Stalls  
Power-On Stalls  
Spin Awareness  
After Landing, Parking and Securing

## Completion Standard

This lesson will be graded at +50% ACS. The student demonstrates an understanding of the elements related to the tasks of Stalls, Maneuvering During Slow Flight, Steep Turns, and Ground Reference Maneuvers by performing the tasks in accordance to the Pro Standards Standardization Manual within the Private Pilot Airplane Airman Certification Standards, and at no time will the safe outcome of the flight be in doubt

# Landings

Landings

Stage 1 Lesson 18

Ground Lesson

Lesson Time 4.0

## ***Airport Operations***

### **Objectives**

Exhibits knowledge of safe and efficient operation of aircraft, including collision avoidance, and recognition and avoidance of wake turbulence; runway incursion avoidance and land and hold short operations; radio communications procedures; radar and ATC services and preflight action including how to obtain information on runway lengths at airports of intended use.

### **SBT**

>>It is time to start training for the Pro Standards Annual Pro Pilot Cup.

### **TASK**

Towered and Non-Towered Airports

Sources for Airport Data

Airport Markings and Signs

Airport Lighting

Wind Direction Indicators

Traffic Patterns

Phraseology

Phonetic Alphabet

Air Traffic Control Services

Lost Communication Procedures

Collision Avoidance

Wake Turbulence Avoidance

Runway Incursion Avoidance

Land and Hold Short Operations (LAHSO)

Controlled Flight Into Terrain (CFIT)

### **Completion Standards**

Exhibit knowledge of the principles of Airport Operations through written and oral examination.



Landings  
Stage 1 Lesson 19  
Maneuvers Briefing  
Lesson Time 1.0

### Objectives

The instructor will introduce the student to the concepts required to develop the aeronautical knowledge and skill to perform Crosswind Takeoffs and Landings in accordance with the Pro Standards Standardization Manual, Pro Standards Flight Operations Manual, and the Pro Standards Private Pilot, Stage 1 Course Standards.

### SBT

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### TASK

Pro Standards Flight Operations Manual  
Pilot Qualifications  
Airworthiness Requirements  
Weather Information  
Performance and Limitations  
Operation of Systems  
Airport Operations  
Traffic Patterns  
Airport, Taxiway, and Runway Signs and Markings  
Crosswind Takeoff and Climb (Standardization Manual)  
Crosswind Approach and Landing (Standardization Manual)  
Go-Around/Rejected Landing

**Notes:** 2.0 Hrs. Ground Briefing (Suggested)

### Completion Standard

This lesson will be graded at +50% ACS. The student demonstrates an understanding of the procedures required to perform Crosswind Takeoffs and Landings in accordance with the applicable POH, the AFH, the PHAK, and the Pro Standards Standardization Manual. Additionally, the student demonstrates an understanding of the relevant safety of flight considerations as well as an understanding of the required aeronautical knowledge elements prescribed in the Private Pilot Airplane Airman Certification Standards.

Landings  
Stage 1 Lesson 20  
Dual Flight  
Lesson Time 2.0

**Objectives**

The instructor will demonstrate and then have the student practice Normal Takeoffs and Landings as well as Airport Operations. This lesson will be conducted in calm winds and weather to further develop the student's knowledge and skills of the fundamentals of Normal Approaches and Landings.

**SBT**

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**TASK**

Pro Standards Flight Operations Manual  
Safety of Flight  
Weather Information  
Performance and Limitations  
Operation of Systems  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Airport Operations  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Go-Around/Rejected Landing  
After Landing, Parking and Securing

**Completion Standard**

This lesson will be graded at +50% ACS. The student performs the tasks in accordance with the Pro Standards Standardization Manual to the standards prescribed in the Private Pilot Airplane Airman Certification Standards, and at no time will the safe outcome of the flight be in doubt.

Landings  
Stage 1 Lesson 21  
Dual Flight  
Lesson Time 2.0

**Objectives**

The instructor and student will discuss the previously introduced elements related to the effects of wind on Takeoffs, Landings, and the Traffic Pattern.

**SBT**

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**TASK**

Safety of Flight  
Collision Hazards  
Runway Incursion Avoidance  
Land and Hold Short Operations (LAHSO)  
Wind Shear and Wake Turbulence Avoidance  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Takeoff and Climb (Headwind, Tailwind, Crosswind)  
Approach and Landing (Headwind, Tailwind, Crosswind)  
Forward Slip to a Landing  
Go-Around/Rejected Landing

**Notes:** 2.0 Hrs. Ground Briefing (Suggested)

- This lesson may include training in the "X-Wind" crosswind simulator. This is optional.

**Completion Standard**

This lesson will be graded at +50% ACS. The student demonstrates an understanding of the skills required to successfully perform Crosswind Landings. Additionally, the student demonstrates the knowledge required to successfully perform Crosswind Landings. The student's understanding and knowledge will be based on the applicable POH, the AFH, the PHAK, and the Pro Standards Standardization Manual.

Landings  
Stage 1 Lesson 22  
Ground Lesson  
Lesson Time 2.0

*Performance and Limitations*

**OBJECTIVES**

Exhibit knowledge of weight and balance computations, aircraft performance, including effects of density altitude on takeoff and climb performance, and preflight action including data on takeoff and landing distances.

**SBT**

*Plan your first ski trip to Big Bear (L35). The pilot, instructor, and friend will fly to Big Bear with gear.*

**TASKS**

Weight and Balance Computations  
Center of Gravity  
Moment and Moment Arm  
Importance of Performance Data  
Pressure Altitude  
Density Altitude  
Takeoff and Landing Performance  
Performance Speeds and Charts

**Completion Standards**

Exhibit knowledge of weight and balance computations, aircraft performance, including effects of density altitude on takeoff and climb performance, and preflight action including data on takeoff and landing distances by calculating a weight and balance and performance data in real time.

Landings  
Stage 1 Lesson 23  
Dual Flight  
Lesson Time 2.0

### Objectives

The instructor and student will practice Normal Takeoffs and Landings as well as Traffic Pattern operations. This lesson will further enhance the student's knowledge and skills required to perform the required tasks associated with Takeoffs, Landings, and Airport Operations.

### SBT



### TASK

Pro Standards Flight Operations Manual  
Safety of Flight  
Weather Information  
Performance and Limitations  
Operation of Systems  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Go-Around/Rejected Landing  
After Landing, Parking and Securing

**Notes:** 1.3 Hrs. Dual Flight Training and 0.5 hrs. Pre and Post Briefing (Suggested)

### Completion Standard

This lesson will be graded at +50% ACS. The student performs the tasks in accordance with the Pro Standards Standardization Manual to the standards prescribed in the Private Pilot Airplane Airman Certification Standards, and at no time will the safe outcome of the flight be in doubt.

Landings  
Stage 1 Lesson 24  
Dual Flight  
Lesson Time 2.0

**Objectives**

The instructor and student will practice Normal Takeoffs and Landings as well as Traffic Pattern operations. This lesson will further enhance the student's knowledge and skills required to perform the required tasks associated with Takeoffs, Landings, and Airport Operations.

**SBT**

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**TASK**

Pro Standards Flight Operations Manual  
Safety of Flight  
Weather Information  
Performance and Limitations  
Operation of Systems  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Forward Slip to a Landing  
Go-Around/Rejected Landing  
After Landing, Parking and Securing

**Notes:** 1.4 Hrs. Dual Flight Training and 0.5 hrs. Pre and Post Briefing (Suggested)

**Completion Standard**

This lesson will be graded at +50% ACS. The student performs the tasks in accordance with the Pro Standards Standardization Manual to the standards prescribed in the Private Pilot Airplane Airman Certification Standards, and at no time will the safe outcome of the flight be in doubt.

Landings  
Stage 1 Lesson 25  
Ground Lesson  
Lesson Time 2.0

### *National Airspace System*

#### **OBJECTIVE**

Exhibits knowledge of the National Airspace System.

#### **SBT**

*Operating a flight for Elon Musk from SAN to LAX, to look for suitable places to launch SpaceX's newest rocket.*

#### **TASKS**

Categories and Types of Airspace  
Controlled Airspace  
Uncontrolled Airspace  
Airspace and VFR Weather Minimums  
Special VFR  
Special-Use Airspace  
Special Airspace Areas  
Other Airspace Areas  
Airspace and Weather Minimums Lab

#### **COMPLETION STANDARDS**

Exhibits knowledge of the National Airspace System through written and oral examination.

# Emergencies

Emergencies

Stage 1 Lesson 26

Maneuvers Briefing

Lesson Time 2.0

## Objectives

The instructor will introduce the student to the concepts required to safely operate the aircraft in emergency conditions and with various systems and equipment malfunctions.

## SBT

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## TASK

Pro Standards Publications

Pro Standards Checklist Philosophy (SOPA)

Initial Aircraft Acceptance (SOPA)

Standard Callouts (SOPA)

Safety of Flight

Use of Checklists

Aeronautical Decision Making and Risk Management

Automation Management

Airworthiness Requirements

Operation of Systems

Emergency Descent

Emergency Approach and Landing (Simulated)

Systems and Equipment Malfunctions (Various)

Avionics Malfunctions and Failures

Emergency Equipment and Survival Gear

**Notes:** 2.0 Hrs. Ground Briefing (Suggested)

- The instructor will brief the student on acceptable methods for simulating malfunctions with the Avionics as outlined in the FOM.

## Completion Standard

This lesson will be graded at +50% ACS. The student demonstrates an understanding of all tasks in accordance with the requirements of the Private Pilot Airplane Airman Certification Standards as well as all procedures outlined in the Pro Standards Standardization Manual.



**Emergencies**  
**Stage 1 Lesson 27**  
**Procedures Training**  
**Lesson Time 2.0**

**Objectives**

The student will complete each checklist in a CPT as a flow pattern, followed by the checklist verification with no more than one missed flow item per checklist with no missed items during checklist verification.

**SBT**

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**TASK**

Excessive Fuel Vapor (SOPA)  
Flooded Engine Start (SOPA)  
Operation of Systems  
Engine Troubleshoot (SOPA)  
Engine Secure (SOPA)  
Emergency Landing Without Power (SOPA)  
Precautionary Landing with Engine Power (SOPA)  
Engine Fire on Ground (SOPA)  
Engine Fire in Flight (SOPA)  
Wing Fire (SOPA)  
Air Data System Failure (SOPA)  
Attitude and Heading Reference System Failure (SOPA)  
Electrical Faults (SOPA)  
Illumination of Oil Pressure Annunciator (SOPA)  
Illumination of CO LVL HIGH Annunciator (SOPA)  
Illumination of High Volts Annunciator or M. Batt Amps more than 40 (SOPA)

**Completion Standard**

This lesson will be graded at +50% ACS. The student completes each checklist, from memory, with a maximum on one missed item per checklist, with no missed items allowed during checklist verification.

**Emergencies**  
**Stage 1 Lesson 28**  
**Dual Flight**  
**Lesson Time 2.0**

**Objectives**

The student will practice various Systems and Equipment Malfunctions in the aircraft while also generating an understanding of the aircraft's operation and handling during emergency operations.

**SBT**



**TASK**

Safety of Flight  
Airworthiness Requirements  
Weather Information  
Performance and Limitations  
Operation of Systems  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Emergency Descent  
Emergency Approach and Landing (Simulated)  
Engine Failure in the Traffic Pattern  
Systems and Equipment Malfunction  
Systems and Equipment Malfunction (Partial / Complete Power Loss)  
Systems and Equipment Malfunctions (Various)  
Engine Fire in Flight (SOPA)  
Wing Fire (SOPA)  
Avionics Malfunctions and Failures  
Emergency Equipment and Survival Gear  
After Landing, Parking and Securing

**Completion Standard**

This lesson will be graded at +50% ACS. Student demonstrates an understanding of the elements related to Systems and Equipment Malfunctions by performing all the tasks in accordance with the Pro Standards Standardization Manual and the Pro Standards SOPA to the standards prescribed in the Private Pilot Airplane Airman Certification Standards, and at no time will the safe outcome of the flight be in doubt.

**Emergencies**  
**Stage 1 Lesson 29**  
**Dual Flight**  
**Lesson Time 2.0**

**Objectives**

The student will practice various Systems and Equipment Malfunctions in the aircraft while also generating an understanding of the aircraft's operation and handling during emergency operations.

**SBT**

>>

**TASK**

Safety of Flight  
Airworthiness Requirements  
Weather Information  
Performance and Limitations  
Operation of Systems  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Emergency Descent  
Emergency Approach and Landing (Simulated)  
Engine Failure in the Traffic Pattern  
Systems and Equipment Malfunction  
Systems and Equipment Malfunction (Partial / Complete Power Loss)  
Systems and Equipment Malfunctions (Various)  
Malfunctions and Failures  
Electrical Faults (SOPA)  
Electrical/Cabin Fire (SOPA)  
Emergency Equipment and Survival Gear  
After Landing, Parking and Securing

**Completion Standard**

This lesson will be graded at +50% ACS. Student demonstrates an understanding of the elements related to Systems and Equipment Malfunctions by performing all the tasks in accordance with the Pro Standards Standardization Manual and the Pro Standards SOPA to the

standards prescribed in the Private Pilot Airplane Airman Certification Standards, and at no time will the safe outcome of the flight be in doubt.

Emergencies  
Stage 1 Lesson 30  
Ground Lesson  
Lesson Time 2.0

### *Stage One Review*

#### **Objectives**

The student will demonstrate the required knowledge to conduct solo flight through an oral review with the instructor.

#### **SBT**

>>

#### **TASK**

Pilot Qualifications  
Weather Information  
National Airspace System  
Performance and Limitations  
Operation of Systems  
Communications, Light Signals, and Runway Lighting Systems  
Airport, Taxiway, and Runway Signs and Markings

**Notes:** 2.0 Hrs. Ground Briefing (Suggested)

#### **Completion Standard**

The student will demonstrate the required aeronautical knowledge to conduct solo flight through an oral review with the instructor.

**Emergencies**  
**Stage 1 Lesson 31**  
**Dual Flight**  
**Lesson Time 2.0**

**Objectives**

The student will demonstrate the required aeronautical knowledge and skill to safely operate the aircraft in solo flight operations by performing all the required tasks.

**SBT**

>>

**TASK**

Initial Aircraft Acceptance (SOPA)  
Standard Callouts (SOPA)  
Safety of Flight  
Use of Checklists  
Collision Hazards  
Runway Incursion Avoidance  
Wind Shear and Wake Turbulence Avoidance  
Weather Information  
Performance and Limitations  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Go-Around/Rejected Landing  
Steep Turns  
Ground Reference Maneuvers (Turns around a point)  
Power-Off Stalls  
Power-On Stalls  
Spin Awareness  
Emergency Approach and Landing (Simulated)  
Systems and Equipment Malfunction (Partial / Complete Power Loss)  
Emergency Equipment and Survival Gear  
After Landing, Parking and Securing

**Optional Tasks**

Communications, Light Signals, and Runway Lighting Systems

No-Flap Landing (Standardization Manual)  
Forward Slip to a Landing  
Maneuvering During Slow Flight

**Completion Standard**

This lesson will be graded at +50% ACS. The student successfully demonstrates the knowledge and skill to operate the aircraft safely in solo operations by performing all tasks in accordance with the Pro Standards Standardization Manual and meeting the standards prescribed in the Private Pilot Airplane Airman Certification Standards, and at no time will the safe outcome of the flight be in doubt.



# Solo Validation

Solo Validation  
Stage 1 Lesson 32  
Validation  
Lesson Time 1.0

## Objectives

To determine through written exam that the student demonstrates satisfactory proficiency of aeronautical knowledge and skill to competently and safely operate an airplane in solo flight in accordance with 14 CFR Part 141 Appendix B(6)(b).

## SBT

>>

## TASKS

Stage One Exam

## Completion Standards

The student is completes the Stage One Exam with 80% or better and the student and instructor correct the exam to 100%

Solo Validation  
Stage 1 Lesson 33  
Validation  
Lesson Time 2.0

*Solo Knowledge Validation*

**Objectives**

The student will demonstrate the required proficiency of aeronautical knowledge and skill to safely operate the aircraft in solo flight operations by performing all the required tasks.

**SBT**

>>

**TASK**

Safety of Flight  
Use of Checklists  
Aeronautical Decision Making and Risk Management  
Collision Hazards  
Runway Incursion Avoidance  
Wind Shear and Wake Turbulence Avoidance  
Weather Information  
Performance and Limitations  
Operation of Systems  
National Airspace System

**Completion Standard**

The student completes each checklist, from memory, with a maximum of one missed item per checklist, with no missed items allowed during checklist verification, additionally the student successfully demonstrates, through oral questioning and a flight check, the knowledge and skill to operate the aircraft safely in solo operations by performing all tasks in accordance with the Pro Standards Standardization Manual and meeting the standards prescribed in the Private Pilot Airplane Airman Certification Standards, and at no time will the safe outcome of the flight be in doubt.

Solo Validation  
Stage 1 Lesson 34  
Validation  
Lesson Time 2.0

### Objectives

The student will demonstrate the required proficiency of aeronautical knowledge and skill to safely operate the aircraft in solo flight operations by performing all the required tasks.

### SBT

>>

### TASK

Safety of Flight  
Use of Checklists  
Aeronautical Decision Making and Risk Management  
Collision Hazards  
Runway Incursion Avoidance  
Wind Shear and Wake Turbulence Avoidance  
Weather Information  
Performance and Limitations  
Operation of Systems  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Go-Around/Rejected Landing  
Systems and Equipment Malfunction (Partial / Complete Power Loss)  
Emergency Equipment and Survival Gear  
After Landing, Parking and Securing

**Notes:** 1.4 Hrs. Dual Flight Training and 0.9 hrs. Pre and Post Briefing (Suggested)

### Completion Standard

This lesson will be graded at +50% ACS. The student completes each checklist, from memory, with a maximum of one missed item per checklist, with no missed items allowed during checklist verification, additionally the student successfully demonstrates, through oral questioning and a flight check, the knowledge and skill to operate the aircraft safely in solo

operations by performing all tasks in accordance with the Pro Standards Standardization Manual and meeting the standards prescribed in the Private Pilot Airplane Airman Certification Standards, and at no time will the safe outcome of the flight be in doubt.

## Stage Two

Overview

Objectives

Completion Standards

# Supervised Solo Flight

Supervised Solo Flight  
Stage 2 Lesson 30  
Flight Lesson  
Lesson Time 2.0

## Objectives

The student will complete their first solo as a supervised solo in the Traffic Pattern. The flight will consist of a Dual Flight in the Traffic Pattern with the student's instructor followed immediately by a solo flight.

## SBT

>>The student will demonstrate the tasks to the instructor then perform them solo

## TASKS

Preflight Assessment  
Flight Deck Management  
Use of Checklists  
Standard Callouts (SOPA)  
Engine Starting  
Communications, Light Signals, and Runway Lighting Systems  
Taxiing  
Runway Incursion Avoidance  
Before Takeoff Check  
Normal Takeoff and Climb  
Collision Hazards  
Traffic Patterns  
Normal Approach and Landing  
Go-Around (Rejected Landing)  
Aeronautical Decision Making and Risk Management  
After Landing, Parking and Securing

**Notes:** 1.4 Hrs. Dual Flight Training, 0.8 hrs. Solo Flight Training, and 0.5 hrs. Pre and Post Briefing (Suggested)

- The flight instructor who conducts this lesson must verify prior to the start of this lesson that the student has in their possession valid student pilot certificate and the student has received the proper endorsements that authorize solo flight in accordance with 14CFR Part 61.87(n), 61.87(p), and 14CFR Part 141 Appendix B(6)(b).

## Completion Standards

Student completes an initial solo flight in the traffic pattern in accordance with the limitations of the Pro Standards and its procedures.

Weather  
Stage 2 Lesson 31  
Ground Lesson  
Lesson Time 2.0

### Objectives

Exhibits knowledge of the recognition of critical weather situations from the ground and in flight, windshear avoidance, and the procurement and use of aeronautical weather reports and forecasts.

### SBT

*>>Get a weather briefing for your flight from KSAN to KLAS.*

### TASKS

#### Weather Theory

Atmosphere  
Coriolis Force  
Altitude and Atmospheric Pressure  
Wind and Currents  
Atmospheric Stability  
Air Masses and Fronts  
Weather Phenomena  
Recognition of Critical Weather Situations – Ground and Inflight  
Windshear Avoidance

#### Weather Services

Observations  
Service Outlets  
Weather Briefings  
Aviation Weather Reports  
Aviation Forecasts  
Weather Charts  
ATC Radar Weather Displays

### Completion Standards

Exhibits knowledge of Weather theory and products through written and oral examination.

# Basic Instrument Maneuvers

Basic Instrument Maneuvers  
Stage 2 Lesson 32  
Maneuvers Briefing  
Lesson Time 2.0

## Objectives

The instructor will introduce the concepts relating to the required aeronautical knowledge associated with Basic Instrument Maneuvers in addition to Human Factors. The instructor will emphasize avoidance procedures and operations during inadvertent VFR flight into Instrument Meteorological Conditions.

## SBT

*>>A new private pilot encounters IMC on the way to KSBA.*

## TASKS

Automation Management  
Human Factors  
Navigation Systems and Radar Services  
Control and Performance Method Overview  
Straight-and-Level Flight  
Constant Airspeed Climbs  
Constant Airspeed Descents  
Turns to Headings  
Recovery from Unusual Flight Attitudes  
Radio Communications, Navigation Systems/Facilities, and Radar Services

## Completion Standard

The student demonstrates an understanding of the aeronautical knowledge required by the Private Pilot ACS to operate the aircraft safely during inadvertent VFR flight into IMC conditions in accordance with the Airplane Flying Handbook and the Pro Standards Standardization Manual. Additionally, the student demonstrates an understanding of the aeronautical knowledge relating to Human Factors as required by the Private Pilot-Airplane ACS with reference to the PHAK.



Basic Instrument Maneuvers  
Stage 2 Lesson 32  
Flight Lesson  
Lesson Time 2.0

### Objectives

The student will practice the skills required to safely operate the aircraft during inadvertent VFR flight into IMC. The student and instructor will simulate scenarios in to include initial action items during inadvertent flight into IMC.

### SBT

>>A new private pilot encounters IMC on the way to KSBA.

### TASKS

Safety of Flight  
Collision Hazards  
Automation Management  
Weather Information  
Performance and Limitations  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Straight-and-Level Flight  
Constant Airspeed Climbs  
Constant Airspeed Descents  
Turns to Headings  
Recovery from Unusual Flight Attitudes  
Radio Communications, Navigation Systems/Facilities, and Radar Services  
After Landing, Parking and Securing

**Notes:** 1.4 Hrs. Dual Flight Training and 0.5 hrs. Pre and Post Briefing (Suggested)

- This lesson includes 1.0 hour of instrument training to be credited towards the requirements of 14 CFR Part 141 Appendix B Section 4 (b) (1) (iii): three hours of instrument training in a single-engine airplane.

### Completion Standard

The student demonstrates the required aeronautical knowledge and skill to fly the aircraft during inadvertent VFR flight into IMC by performing all the tasks in accordance with the Pro Standards Standardization Manual to the standards prescribed by the Private Pilot Airplane Airman Certification Standards.

Basic Instrument Maneuvers  
Stage 2 Lesson 33  
Flight Lesson  
Lesson Time 2.0

### Objectives

The student will complete a solo flight in the local practice areas practicing VFR maneuvers. This will help the student to develop confidence prior to Solo Cross-Country operations later in the flight course.

### SBT

*>>Fly to the practice area for maneuvers.*

### TASKS

Safety of Flight  
Aeronautical Decision Making and Risk Management  
Collision Hazards  
Weather Information  
Performance and Limitations  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Go-Around/Rejected Landing  
Steep Turns  
Ground Reference Maneuvers  
Maneuvering During Slow Flight  
Power-Off Stalls  
Power-On Stalls  
After Landing, Parking and Securing

**Notes:** 1.0 Hrs. Solo Flight Training (Suggested)

### Completion Standard

The student successfully completes a 1.0-hour solo flight in the local practice areas in accordance with the Pro Standards FOM, and Pro Standards SOPA.

# Performance Takeoffs and Landings

Performance Takeoffs and Landings

Stage 2 Lesson 34

Maneuvers Brief

Lesson Time 2.0

## Objectives

The instructor will introduce the aeronautical knowledge and skills required of the student to perform Performance Takeoffs and Performance Landings, with reference to the Pro Standards Standardization Manual, the applicable POH, and the AFH. Additionally, the instructor and student will review the aeronautical knowledge requirements related to Airworthiness Requirements, Performance and Limitations, and Operations of Systems, emergency operations and Systems and Equipment Malfunctions with reference to the applicable POH, the AFH, the PHAK, and the Pro Standards SOPA.

## SBT

>>It is time to start training for the Oshkosh fly in.

## TASK

Airworthiness Requirements

Performance and Limitations

Operation of Systems

Traffic Patterns

Taxiing

Soft-Field Takeoff and Climb

Soft-Field Approach and Landing

Short Field Takeoff and Maximum Performance Climb

Short Field Approach and Landing

Forward Slip to a Landing

Emergency Descent

Emergency Approach and Landing (Simulated)

Systems and Equipment Malfunction (Various)

Emergency Equipment and Survival Gear

**Notes:** 2.0 Hrs. Ground Briefing (Suggested)

## Completion Standard

The student demonstrates an understanding of all tasks in accordance with the requirements of the Private Pilot Airplane Airman Certification Standards as well as all procedures outlined in the Pro Standards Standardization Manual.

Performance Takeoffs and Landings  
Stage 2 Lesson 35  
Maneuvers Brief  
Lesson Time 2.0

**Objectives**

The student will practice the skills required to perform Performance Takeoffs and Landings in accordance with the Pro Standards Standardization Manual and the applicable POH.

**SBT**

*>>It is time to start training for the Oshkosh fly in.*

**TASK**

Safety of Flight  
Collision Hazards  
Automation Management  
Weather Information  
Performance and Limitations  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Soft-Field Takeoff and Climb  
Soft-Field Approach and Landing  
Short Field Takeoff and Maximum Performance Climb  
Short Field Approach and Landing  
Forward Slip to a Landing  
After Landing, Parking and Securing

Notes: 1.4 Hrs. Dual Flight Training and 0.5 hrs. Pre and Post Briefing (Suggested)

**Completion Standard**

This lesson will be graded at +50% ACS. The student demonstrates the knowledge and skills required for Performance Takeoffs and Landings by performing all required tasks to the standards prescribed by the Private Pilot Airplane Airman Certification Standards in accordance with the Pro Standards Standardization Manual and the applicable POH.

Performance Takeoffs and Landings  
Stage 2 Lesson 36  
Maneuvers Brief  
Lesson Time 2.0

**Objectives**

The student will practice the skills required to perform Performance Takeoffs and Landings in accordance with the Pro Standards Standardization Manual and the applicable POH.

**SBT**

*>>It is time to start training for the Oshkosh fly in.*

**TASK**

Safety of Flight  
Collision Hazards  
Automation Management  
Weather Information  
Performance and Limitations  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Soft-Field Takeoff and Climb  
Soft-Field Approach and Landing  
Short Field Takeoff and Maximum Performance Climb  
Short Field Approach and Landing  
Forward Slip to a Landing  
After Landing, Parking and Securing

Notes: 1.4 Hrs. Dual Flight Training and 0.5 hrs. Pre and Post Briefing (Suggested)

**Completion Standard**

The student demonstrates the knowledge and skills required for Performance Takeoffs and Landings by performing all required tasks to the standards prescribed by the Private Pilot Airplane Airman Certification Standards in accordance with the Pro Standards Standardization Manual and the applicable POH.

## Performance Takeoffs and Landings

### Stage 2 Lesson 37

#### Maneuvers Brief

#### Lesson Time 2.0

### Objectives

The student will review the skills and procedures to operate the aircraft during various Systems and Equipment Malfunctions, Emergencies, and inadvertent VFR flight into IMC. The student will also practice the skills required for Performance Takeoffs and Landings. The student will additionally review their knowledge of the applicable checklist flows and procedures in accordance with the Pro Standards SOPA and Pro Standards Standardization manual.

### SBT

>>It is time to start training for the Pro Standards Annual Pro Pilot Cup.

### TASK

Safety of Flight

Collision Hazards

Automation Management

Weather Information

Performance and Limitations

Preflight Assessment

Flight Deck Management

Engine Starting

Taxiing

Before Takeoff Check

Communications, Light Signals, and Runway Lighting Systems

Traffic Patterns

Soft-Field Takeoff and Climb

Soft-Field Approach and Landing

Straight-and-Level Flight

Constant Airspeed Climbs

Constant Airspeed Descents

Turns to Headings

Radio Communications, Navigation Systems/Facilities, and Radar Services

Power-off 180's

Emergency Descent

Emergency Landing Without Power (SOPA)

Precautionary Landing with Engine Power (SOPA)

Systems and Equipment Malfunction (Various)

After Landing, Parking and Securing

Notes: 1.4 Hrs. Dual Flight Training and 0.5 hrs. Pre and Post Briefing (Suggested)

- This lesson includes 0.4 hours of instrument training to be credited towards the requirements of 14 CFR Part 141 Appendix B Section 4 (b) (1) (iii): three hours of instrument training in a single-engine airplane.

**Completion Standard**

The student demonstrates the required knowledge, skills, and Aeronautical Decision Making by performing all of the tasks to the standards prescribed by the Private Pilot Airplane Airman Certification Standards in accordance with the Pro Standards Standardization Manual, Pro Standards SOPA, and the applicable POH.



## REVIEW AND SOLO PRACTICE

Performance Takeoffs and Landings

Stage 2 Lesson 38

FLight Lesson

Lesson Time 2.0

### Objectives

The student will complete a solo flight in the Traffic Pattern practicing takeoffs and landings. This will help the student to develop confidence prior to Solo Cross-Country operations later in the flight course.

### SBT

>>It is time to start training for the Pro Standards Annual Pro Pilot Cup.

### TASK

Safety of Flight

Aeronautical Decision Making and Risk Management

Collision Hazards

Weather Information

Performance and Limitations

Preflight Assessment

Flight Deck Management

Engine Starting

Taxiing

Before Takeoff Check

Communications, Light Signals, and Runway Lighting Systems

Traffic Patterns

Normal Takeoff and Climb

Normal Approach and Landing

Go-Around/Rejected Landing

Steep Turns

Ground Reference Maneuvers

Maneuvering During Slow Flight

Power-Off Stalls

Power-On Stalls

After Landing, Parking and Securing

Notes: 1.0 Hrs. Solo Flight Training (Suggested)

- The student must meet the requirements of 14 CFR Part 141 Appendix B(5)(a)(2): Three takeoffs and three landings to a full stop (with each landing involving a flight in the Traffic Pattern) at an airport with an operating control tower before this lesson can be completed.

### Completion Standard

The student successfully completes a 1.0-hour solo flight in the Traffic Pattern in accordance with the Pro Standards FOM, Pro Standards Standardization Manual, and Pro Standards SOPA.

## Performance Takeoffs and Landings

### Stage 2 Lesson 38

#### Ground Lesson

#### Lesson Time 2.0

### Objectives

Exhibit knowledge of Aeromedical Factors and aeronautical decision making and judgment.

### SBT

>>It is time to start training for the Pro Standards Annual Pro Pilot Cup.

### TASK

#### Aeromedical

Obtaining a Medical Certificate  
Health and Physiological Factors  
Vision in Flight  
Illusions and Spatial Disorientation

#### Aeronautical Decision Making

Crew Resource Management  
Single-Pilot Resource Management  
Hazard and Risk  
The Decision Making Process  
Situational Awareness  
Risk Management  
Human Behavior

### Completion Standards

Exhibit knowledge of the principles of Human Factors through written and oral examination.

## CROSS-COUNTRY AND NIGHT TRAINING

Cross-Country and Night Training  
 Stage 3 Lesson 38  
 Ground Lesson  
 Lesson Time 2.0

### Objectives

The instructor will introduce the aeronautical knowledge and skills required to conduct Cross-Country planning, Airport Operations in accordance with the Pro Standards Standardization Manual with reference to the PHAK and the applicable POH.

Exhibits knowledge of aeronautical charts for VFR navigation using pilotage, dead reckoning, and navigation systems; and preflight action that includes how to obtain information on runway lengths at airports of intended use, data on takeoff and landing distances, weather reports and forecasts, and fuel requirements and how to plan for alternatives if the planned flight cannot be completed or delays are encountered.

### SBT

>>It is time to start training for the Pro Standards Annual Pro Pilot Cup.

### TASK

Aviation Security  
 Weather Information  
 Notices to Airmen  
 Cross-Country Flight Planning  
 National Airspace System  
 Performance and Limitations  
 Pilotage and Dead Reckoning  
 Airport Operations

### UNIT 26 AERONAUTICAL CHARTS

#### DISCUSS:

1. Types of Charts
2. Latitude and Longitude
3. Chart Symbolology
4. Plotting Courses

### UNIT 27 INTRODUCTION TO CROSS COUNTRY PLANNING

#### DISCUSS:

1. Flight Planning Considerations
2. Structure of a Flight Plan
3. Checkpoint Identification

### UNIT 28 CROSS COUNTRY PERFORMANCE CHARTS

## DISCUSS:

1. Pilot Information Manual
2. Performance Calculations

## UNIT 29 FLIGHT COMPUTER CALCULATIONS

## DISCUSS:

1. Effect of Wind
2. Conversions
3. Speed, Distance, and Time Computations
4. Fuel Computations
5. True Airspeed and Density Altitude
6. Determining Magnetic Heading and Groundspeed
7. Determining Wind Direction and Speed

## UNIT 30 PILOTAGE AND DEAD RECKONING

## DISCUSS:

1. Pilotage and Dead Reckoning

## UNIT 31 LAB -- COMPLETE A FLIGHT PLAN AND DISCUSS:

1. Navigation log
2. Filing a flight plan

## Completion Standard

The student demonstrates an understanding of the skills required to successfully plan Cross-Country flights and conduct Cross-Country Operations in accordance with the Pro Standards Standardization Manual, the PHAK, and the applicable POH to the standards prescribed in the Private Pilot Airplane Airman Certification Standards.

Cross-Country and Night Training  
Stage 3 Lesson 38  
Ground Lesson  
Lesson Time 2.0

### Objectives

This shorter duration Cross-Country will serve as the student's introduction to learning to apply the techniques discussed previously. The student will learn how to operate the aircraft during Cross-Country Operations, to include Flight Planning, Pilotage and Dead Reckoning, and Navigation Systems and Radar Services. Firelight should not be used on this lesson.

### SBT

>>It is time to start training for the Pro Standards Annual Pro Pilot Cup.

### TASK

Safety of Flight  
Aeronautical Decision Making and Risk Management  
Collision Hazards  
Runway Incursion Avoidance  
Weather Information  
Cross-Country Flight Planning  
Performance and Limitations  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Airport Operations  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Pilotage and Dead Reckoning  
Navigation Systems and Radar Services  
Straight-and-Level Flight  
Constant Airspeed Climbs  
Constant Airspeed Descents  
Turns to Headings  
Recovery from Unusual Flight Attitudes  
Radio Communications, Navigation Systems/Facilities, and Radar Services  
After Landing, Parking and Securing

Notes: 2.0 Hrs. Dual Flight Training and 0.8 hrs. Pre and Post Briefing (Suggested)

- This lesson includes 0.4 hours of instrument training to be credited towards the requirements of 14 CFR Part 141 Appendix B Section 4 (b) (1) (iii): three hours of instrument training in a single-engine airplane.

**Completion Standard**

Student demonstrates an understanding of the requirements and procedures to conduct Cross-Country operations by performing all tasks in accordance with the Pro Standards Standardization Manual to the standards prescribed in the Private Pilot Airplane Airman Certification Standards.

Cross-Country and Night Training  
Stage 3 Lesson 38  
Ground Lesson  
Lesson Time 2.0

### Objectives

The student will further review the techniques of Cross-Country operations while additionally learning how to conduct Diversions. The instructor will also introduce the required knowledge and skills for Night Preparation and conducting night operations in accordance with the Pro Standards Standardization Manual and the PHAK.

### SBT

>>It is time to start training for the Pro Standards Annual Pro Pilot Cup.

### TASK

Safety of Flight  
Collision Hazards  
Controlled Flight into Terrain Awareness  
Situational Awareness  
Wire Strike Avoidance  
Cross-Country Flight Planning  
Human Factors  
Navigation Systems and Radar Services  
Diversion  
Lost Procedures  
Inadvertent Flight into Instrument Meteorological Conditions  
Night Preparation

Notes: 2.0 Hrs. Ground Briefing (Suggested)

### Completion Standard

Student demonstrates an understanding of the aeronautical knowledge present in the AFH, PHAK, and Pro Standards Standardization Manual required for both Night Operations and Cross-Country Flight Planning and operations.



Cross-Country and Night Training  
Stage 3 Lesson 38  
Ground Lesson  
Lesson Time 2.0

**Objectives**

Exhibit knowledge of navigation systems, lost procedures and how to plan for alternatives if the planned flight cannot be completed or delays are encountered.

**SBT**

>>It is time to start training for the Pro Standards Annual Pro Pilot Cup.

**TASK**

## UNIT 32 RADIO NAVIGATION

## DISCUSS:

1. VHF Omni-Directional Range (VOR)
2. Horizontal Situation Indicator (HSI)
3. Radio Magnetic Indicator (RMI)
4. Non-Directional Radio Beacon (NDB) and Automatic Direction Finder (ADF)

## UNIT 33 GPS NAVIGATION

## DISCUSS:

1. GPS System
2. Using GPS for VFR Operations
3. VFR Waypoints

## UNIT 34 LOST AND DIVERSION PROCEDURES

## DISCUSS:

1. Lost Procedures
2. Diversion Procedures

**Completion Standards**

Exhibit knowledge of the principles of Navigation Systems through written and oral examination.

**Cross-Country and Night Training**  
**Stage 3 Lesson 38**  
**Night Flight Lesson**  
**Lesson Time 2.0**

**Objectives**

This flight will serve as the student's first opportunity to apply the skills required to operate during night conditions. The instructor and student will focus on night operations in the Traffic Pattern to familiarize the student with flying at night including landings. The student will complete 6 takeoffs and 6 landings to be credited towards the requirements of 14 CFR Part 141 Appendix B Section 4 (b) (1) (ii) (B).

**SBT**

>>

**TASK**

Safety of Flight  
Aeronautical Decision Making and Risk Management  
Collision Hazards  
Controlled Flight into Terrain Awareness  
Weather Information  
Performance and Limitations  
Human Factors  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Airport, Taxiway, and Runway Signs and Markings  
Normal Takeoff and Climb  
Normal Approach and Landing  
Night Preparation  
After Landing, Parking and Securing

Notes: 1.0 Hrs. Dual Flight Training and 0.5 hrs. Pre and Post Briefing (Suggested)

- This lesson includes 6 takeoffs and 6 landings to be credited towards the requirements of 14 CFR Part 141 Appendix B Section 4 (b) (1) (ii) (B): ten takeoffs and ten landings to a full stop (with each landing involving a flight in the Traffic Patterns) at an airport.

This lesson includes 1.0 hour of night flight training to be credited towards the requirements of 14 CFR Part 141 Appendix B Section 4 (b) (1) (ii): three hours of night flight training in a single-engine airplane.

**Completion Standard**

The student demonstrates the aeronautical skills required to operate the aircraft safely during night conditions by performing all of the tasks to the standards prescribed in the Private Pilot Airplane Airman Certification Standards.

## Cross-Country and Night Training

### Stage 3 Lesson 38

#### XC Night Flight Lesson

Lesson Time 2.0

### Objectives

Develop the student's aeronautical knowledge and skills required for night operations by performing a Cross-Country flight at night. Additionally, the student will develop skills required for Cross-Country flying and will perform 4 takeoffs and landings at night.

### SBT

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### TASK

Safety of Flight

Aeronautical Decision Making and Risk Management

Collision Hazards

Controlled Flight into Terrain Awareness

Weather Information

Cross-Country Flight Planning

Performance and Limitations

Human Factors

Preflight Assessment

Flight Deck Management

Engine Starting

Taxiing

Before Takeoff Check

Communications, Light Signals, and Runway Lighting Systems

Traffic Patterns

Airport, Taxiway, and Runway Signs and Markings

Normal Takeoff and Climb

Normal Approach and Landing

Pilotage and Dead Reckoning

Diversion

Lost Procedures

Straight-and-Level Flight

Constant Airspeed Climbs

Constant Airspeed Descents

Turns to Headings

Radio Communications, Navigation Systems/Facilities, and Radar Services

Systems and Equipment Malfunction

Night Preparation

After Landing, Parking and Securing

Notes: 2.0 Hrs. Dual Flight Training and 0.8 hrs. Pre and Post Briefing (Suggested)

- This night dual cross-country flight must satisfy the requirements of 14 CFR Part 141 Appendix B(4)(b)(1)(ii)(A): A dual cross-country flight of at least 100 nautical miles total distance at night; Four takeoffs and landings from this lesson will be credited towards the requirements of 14 CFR Part 141 Appendix B(4)(b)(1)(ii)(B): 10 takeoffs and 10 landings to a full stop (with each landing involving a flight in the Traffic Patterns) at an airport.; This lesson includes 0.4 hours of instrument training to be credited towards the requirements of 14 CFR Part 141 Appendix B(4)(b)(1)(iii): three hours of instrument training in a single-engine airplane.; This lesson includes 2.0 hours of night flight training to be credited towards the requirements of 14 CFR Part 141 Appendix B(4)(b)(1)(ii): three hours of night flight training in a single-engine airplane."

### **Completion Standard**

The student demonstrates the aeronautical skills required to operate the aircraft safely during Night Cross-Country operations by performing all of the tasks to the standards prescribed in the Private Pilot Airplane Airman Certification Standards.

Cross-Country and Night Training  
Stage 3 Lesson 38  
Ground Lesson  
Lesson Time 2.0

**Objectives**

This flight will serve as the final Dual Cross-Country flight and as the final opportunity for the student to practice and demonstrate the skills necessary to operate the aircraft safely during Cross-Country operations as well as verifying the student's readiness to perform a Solo Cross-Country flight.

**SBT**

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**TASK**

Safety of Flight  
Aeronautical Decision Making and Risk Management  
Collision Hazards  
Weather Information  
Cross-Country Flight Planning  
Performance and Limitations  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Pilotage and Dead Reckoning  
Navigation Systems and Radar Services  
Diversion  
Lost Procedures  
Straight-and-Level Flight  
Constant Airspeed Climbs  
Constant Airspeed Descents  
Turns to Headings  
Recovery from Unusual Flight Attitudes  
Radio Communications, Navigation Systems/Facilities, and Radar Services  
Emergency Approach and Landing (Simulated)  
Systems and Equipment Malfunction  
Emergency Equipment and Survival Gear

## After Landing, Parking and Securing

Notes: 3.0 Hrs. Dual Flight Training and 0.8 hrs. Pre and Post Briefing (Suggested)

- This dual cross-country flight must satisfy the requirements of 14 CFR Part 141 Appendix B Section 4 (b) (1) (i): Three hours of cross-country flight training in a single-engine airplane.

### **Completion Standard**

The student demonstrates the required knowledge and skills to safely operate the aircraft during Solo Cross-Country operations by performing all the tasks in accordance with the Pro Standards FOM, Pro Standards Standardization Manual, and Pro Standards SOPA to the standards prescribed in the Private Pilot Airplane Airman Certification Standards.

**Cross-Country and Night Training**  
**Stage 3 Lesson 38**  
**Solo XC Flight Lesson**  
**Lesson Time 2.0**

**Objectives**

The student will complete a Solo Cross-Country that meets the requirements of 14 CFR Part 141 Appendix B Section 5(a): A Solo Cross-Country flight of at least 100 nautical miles total distance, with full-stop landings at a minimum of three points, and one segment of the flight consisting of a straight-line distance of at least 50 nautical miles between the takeoff and landings locations.

**SBT**

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**TASK**

Safety of Flight  
Aeronautical Decision Making and Risk Management  
Collision Hazards  
Weather Information  
Cross-Country Flight Planning  
Performance and Limitations  
Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Pilotage and Dead Reckoning  
Navigation Systems and Radar Services  
After Landing, Parking and Securing

Notes: 3.0 Hrs. Solo Flight Training (Suggested)

- This solo cross-country flight must satisfy the requirements of 14 CFR Part 141 Appendix B Section 5(a): A solo cross-country flight of at least 100 nautical mile total distance, with full-stop landings at a minimum of three points, and one segment of the flight consisting of a straight-line distance of at least 50 nautical miles between the takeoff and landing locations.

This lesson may be completed out of lesson order after lesson 45 is completed but must be completed before lesson 50 is attempted."

**Completion Standard**



The student demonstrates the ability to safely operate the aircraft in Solo Cross-Country operations by successfully completing a flight meeting the requirements of 14 CFR Part 141 Appendix B Section 5(a).

## Course Review

Course Review  
Stage 3 Lesson 38  
Ground Lesson  
Lesson Time 2.0

### Objectives

The instructor will review and evaluate the student's aeronautical knowledge to determine that he/she is adequately prepared for the Stage 2 Stage Check and End-Of-Course Evaluations.

### SBT

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### TASK

Safety of Flight  
Pilot Qualifications  
Airworthiness Requirements  
Weather Information  
Cross-Country Flight Planning  
National Airspace System  
Performance and Limitations  
Operation of Systems  
Human Factors  
Emergency Equipment and Survival Gear  
Night Preparation  
Review Written Stage Exam  
Review FAA Knowledge Test Deficient Areas

Notes: 2.0 Hrs. Ground Briefing (Suggested)

### Completion Standard

Student demonstrates an understanding of the required aeronautical knowledge required by completing all the tasks to the standard prescribed by the Private Pilot-Airplane ACS and demonstrates an understanding of all required references to include the PHAK, AFH, applicable POH, and the FAR/AIM.

Course Review  
Stage 3 Lesson 38  
Ground Lesson  
Lesson Time 2.0

## Objectives

The instructor will review and evaluate the student's aeronautical skills to determine that he/she is adequately prepared for the Stage 2 Stage Check and End-Of-Course Evaluations.

## SBT

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## TASK

Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Soft-Field Takeoff and Climb  
Soft-Field Approach and Landing  
Short-Field Takeoff and Maximum Performance Climb  
Short-Field Approach and Landing  
Forward Slip to a Landing  
Go-Around/Rejected Landing  
Steep Turns  
Ground Reference Maneuvers  
Pilotage and Dead Reckoning  
Navigation Systems and Radar Services  
Diversion  
Lost Procedures  
Maneuvering During Slow Flight  
Power-Off Stalls  
Power-On Stalls  
Spin Awareness  
Straight-and-Level Flight  
Constant Airspeed Climbs  
Constant Airspeed Descents  
Turns to Headings  
Recovery from Unusual Flight Attitudes

Radio Communications, Navigation Systems/Facilities, and Radar Services  
Emergency Descent  
Emergency Approach and Landing (Simulated)  
Systems and Equipment Malfunction  
Emergency Equipment and Survival Gear  
After Landing, Parking and Securing

Notes: 1.4 Hrs. Dual Flight Training and 0.5 hrs. Pre and Post Briefing (Suggested)

- This lesson includes 0.4 hours of instrument training to be credited towards the requirements of 14 CFR Part 141 Appendix B Section 4 (b) (1) (iii): three hours of instrument training in a single-engine airplane."

### **Completion Standard**

Student demonstrates the required aeronautical skills required by completing all the tasks to the standard prescribed by the Private Pilot Airplane Airman Certification Standards in accordance with the Pro Standards Standardization Manual and Pro Standards SOPA.

# Knowledge Validation

Knowledge Validation  
Stage 3 Lesson 38  
Ground Lesson  
Lesson Time 2.0

## Objectives

To determine through oral evaluation that the student possesses the required aeronautical knowledge to safely conduct flight operations as an FAA certificated Private Pilot.

## SBT

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## TASK

Pilot Qualifications  
Airworthiness Requirements  
Weather Information  
Cross-Country Flight Planning  
National Airspace System  
Performance and Limitations  
Operation of Systems  
Human Factors  
Night Preparation

Notes: 2.0 Hrs. Ground Briefing (Suggested)

## Completion Standard

The student demonstrates an understanding of the required aeronautical knowledge to safely conduct flight operations as an FAA certificated Private Pilot by meeting the standards prescribed in the Private Pilot Airplane Airman Certification Standards.

# Maneuvers Validation

Maneuvers Validation

Stage 3 Lesson 38

Ground Lesson

Lesson Time 2.0

## Objectives

To determine through flight evaluation that the student possesses the required aeronautical skills to safely conduct flight operations as an FAA certificated Private Pilot.

## SBT

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## TASK

Preflight Assessment

Flight Deck Management

Engine Starting

Taxiing

Runway Incursion Avoidance

Before Takeoff Check

Communications, Light Signals, and Runway Lighting Systems

Traffic Patterns

Normal Takeoff and Climb

Normal Approach and Landing

Soft-Field Takeoff and Climb

Soft-Field Approach and Landing

Short-Field Takeoff and Maximum Performance Climb

Short-Field Approach and Landing

Forward Slip to a Landing

Go-Around/Rejected Landing

Steep Turns

Ground Reference Maneuvers

Pilotage and Dead Reckoning

Navigation Systems and Radar Services

Diversion

Lost Procedures

Maneuvering During Slow Flight

Power-Off Stalls

Power-On Stalls

Spin Awareness

Straight-and-Level Flight

Constant Airspeed Climbs

Constant Airspeed Descents

Turns to Headings  
Recovery from Unusual Flight Attitudes  
Radio Communications, Navigation Systems/Facilities, and Radar Services  
Emergency Descent  
Emergency Approach and Landing (Simulated)  
Systems and Equipment Malfunction  
Emergency Equipment and Survival  
After Landing, Parking and Securing

Notes: 1.6 Hrs. Dual Flight Training and 0.5 hrs. Pre and Post Briefing (Suggested)

- This lesson includes 0.2 hours of instrument training to be credited towards the requirements of 14 CFR Part 141 Appendix B Section 4 (b) (1) (iii): three hours of instrument training in a single-engine airplane."

### **Completion Standard**

The student demonstrates the required aeronautical skills to safely conduct flight operations as an FAA certificated Private Pilot by meeting the standards prescribed in the Private Pilot-Airplane ACS on all tasks.

Cross-Country and Night Training  
Stage 3 Lesson 38  
Ground Lesson  
Lesson Time 2.0

**Objectives**

Effectively review, evaluate, and summarize course content.

**SBT**

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**TASK**

Private Pilot Knowledge Areas

**COURSE EXAM**

1. Course Exam
2. Critique

**Completion Standard**



Cross-Country and Night Training  
Stage 3 Lesson 38  
Ground Lesson  
Lesson Time 2.0

**Objectives**

The instructor will review and evaluate the student's aeronautical knowledge to determine that he/she is adequately prepared for the Course Validation.

**SBT**

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**TASK**

Review Deficient Training Items

**Completion Standard**

Student demonstrates an understanding of the required aeronautical knowledge required by completing all the tasks to the standard prescribed by the Private Pilot Airplane ACS and demonstrates an understanding of all required references to include the PHAK, AFH, applicable POH, and the FAR/AIM.

Cross-Country and Night Training  
Stage 3 Lesson 38  
Ground Lesson  
Lesson Time 2.0

**Objectives**

To determine through oral evaluation that the student possesses the required aeronautical knowledge to safely conduct flight operations as an FAA certificated Private Pilot.

**SBT**

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**TASK**

Pilot Qualifications  
Airworthiness Requirements  
Weather Information  
Cross-Country Flight Planning  
National Airspace System  
Performance and Limitations  
Operation of Systems  
Human Factors  
Night Preparation

Notes: 2.0 Hrs. Ground Briefing (Suggested)

**Completion Standard**

The student demonstrates an understanding of the required aeronautical knowledge to safely conduct flight operations as an FAA certificated Private Pilot by meeting the standards prescribed in the Private Pilot Airplane Airman Certification Standards.

Course Validation  
Stage 3 Lesson 38  
Ground Lesson  
Lesson Time 2.0

### Objectives

To determine through flight evaluation that the student possesses the required aeronautical skills to safely conduct flight operations as an FAA certificated Private Pilot.

### SBT

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### TASK

Preflight Assessment  
Flight Deck Management  
Engine Starting  
Taxiing  
Runway Incursion Avoidance  
Before Takeoff Check  
Communications, Light Signals, and Runway Lighting Systems  
Traffic Patterns  
Normal Takeoff and Climb  
Normal Approach and Landing  
Soft-Field Takeoff and Climb  
Soft-Field Approach and Landing  
Short-Field Takeoff and Maximum Performance Climb  
Short-Field Approach and Landing  
Forward Slip to a Landing  
Go-Around/Rejected Landing  
Steep Turns  
Ground Reference Maneuvers  
Pilotage and Dead Reckoning  
Navigation Systems and Radar Services  
Diversion  
Lost Procedures  
Maneuvering During Slow Flight  
Power-Off Stalls  
Power-On Stalls  
Spin Awareness  
Straight-and-Level Flight  
Constant Airspeed Climbs  
Constant Airspeed Descents  
Turns to Headings  
Recovery from Unusual Flight Attitudes

Radio Communications, Navigation Systems/Facilities, and Radar Services  
Emergency Descent  
Emergency Approach and Landing (Simulated)  
Systems and Equipment Malfunction  
Emergency Equipment and Survival Gear  
After Landing, Parking and Securing

Notes: 1.4 Hrs. Dual Flight Training and 0.5 hrs. Pre and Post Briefing (Suggested)

- This lesson includes 0.2 hours of instrument training to be credited towards the requirements of 14 CFR Part 141 Appendix B Section 4 (b) (1) (iii): three hours of instrument training in a single-engine airplane."

### **Completion Standard**

The student demonstrates the required aeronautical skills to safely conduct flight operations as an FAA certificated Private Pilot by meeting the standards prescribed in the Private Pilot Airplane Airman Certification Standards on all tasks.