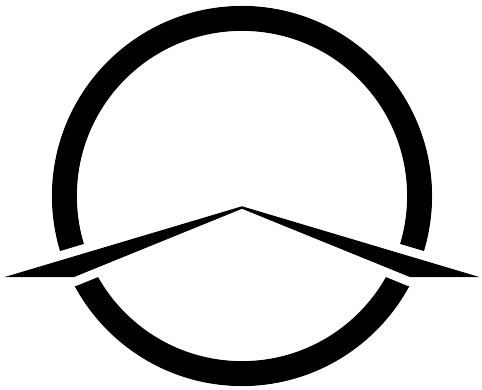

PRIVATE PILOT

SINGLE ENGINE AIRPLANE

Forward,

Thanks to Hursa Corp and Lucky Aviation for the hard work and efforts in developing this training content.

Table of Contents

Ground Lessons

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
Safety Briefing
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 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
>>

Tasks
Introduction to Pro Standards Training Program
Course Overview
Required Course Materials
Course Policies
Being PIC
Leadership
Professionalism
ADM
SRM
CRM
TEM
Human Factors
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
>> A new

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 power-plants and aircraft systems.

SBT
>>

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
>>

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
>>

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
>>

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
Exhibit knowledge of the principles of FAA regulations through written and oral examination.

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
>>

TASK
Runway Incursion Avoidance
Land and Hold Short Operations (LAHSO)
Wind Shear and Wake Turbulence Avoidance
Weather Information
Ground Reference Maneuvers (S-turns)
Ground Reference Maneuvers (Turns around a point)
Ground Reference Maneuvers (Rectangular Course)
Spin Awareness
Accelerated Stall (Standardization Manual)
Crossed-Control Stall (CFI Demonstration)
After Landing, Parking and Securing

Completion Standard
The student demonstrates an understanding of the required knowledge of the tasks related to Ground Reference Maneuvers. The lesson will be complete once the instructor has introduced all the required Tasks and subsequent elements to the student.

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
>>

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
>>

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
>>

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
Aircraft Memory Items
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
>>

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
>>

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
>>

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
>>

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
>>

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
>>

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
>>

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 35
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.

Supervised Solo Flight
Stage 2 Lesson 31
Ground Lesson
Lesson Time 2.0

Aviation Weather

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 36
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 inadvertence 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 37
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 38
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 39
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 40
Flight Lesson
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 41
Flight Lesson
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 42
Ground Lesson
Lesson Time 2.0

Aeromedical

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
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.

Performance Takeoffs and Landings
Stage 2 Lesson 43
Flight Lesson
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.

Performance Takeoffs and Landings
Stage 2 Lesson 44
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 SOP

Stage Three

Objectives
To teach the student the aeronautical knowledge, and give them the aeronautical experience required for solo cross-country and night 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.

Cross-Country and Night Training

Cross-Country and Night Training
Stage 3 Lesson 45
Ground Lesson
Lesson Time 4.0

Cross-Country Flight Planning

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
>>Plan a flight from KSAN to KCLX for lunch at Rosa's Plane Food.

TASK
Aviation Security
Weather Information
Notices to Airmen
Cross-Country Flight Planning
National Airspace System
Performance and Limitations
Pilotage and Dead Reckoning
Airport Operations
Types of Charts
Latitude and Longitude
Chart Symbology
Plotting Courses
Flight Planning Considerations
Structure of a Flight Plan
Checkpoint Identification
Pilot Information Manual
Performance Calculations
Effect of Wind
Conversions
Speed, Distance, and Time Computations

Fuel Computations
True Airspeed and Density Altitude
Determining Magnetic Heading and Groundspeed
Determining Wind Direction and Speed
Pilotage and Dead Reckoning

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 46
Ground Lesson
Lesson Time 2.0

Cross-Country Flight Planning Lab

Objectives
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 by completing a navigation log

SBT
>>Plan a flight from KSAN to KCLX for lunch at Rosa's Plane Food.

TASK
Navigation log
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 47
Flight 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 48
Ground Lesson
Lesson Time 2.0

Advanced Navigation Systems

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
Safety of Flight
Collision Hazards
Controlled Flight into Terrain Awareness
Situational Awareness
Wire Strike Avoidance
Cross-Country Flight Planning
Human Factors
VHF Omni-Directional Range (VOR)
Horizontal Situation Indicator (HSI)
Radio Magnetic Indicator (RMI)
Non-Directional Radio Beacon (NDB) and
Automatic Direction Finder (ADF)
GPS System
Using GPS for VFR Operations
VFR Waypoints
Lost Procedures
Diversion Procedures
Inadvertent Flight into Instrument Meteorological Conditions
Night Preparation

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

Cross-Country and Night Training
Stage 3 Lesson 49
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 50
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
>>

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 Validation

Cross-Country Validation
Stage 3 Lesson 51
Validation
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
>>

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.

Solo Cross-Country

Solo Cross-Country
Stage 3 Lesson 52
Solo XC Flight Lesson
Lesson Time 3.0

Objectives
The student will complete a Solo Cross-Country that meets the requirements of 14 CFR Part 141 Appendix B Section 5(a):

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: 2.0 Hrs. Solo Flight Training (Suggested)

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).

Cross-Country and Night Training
Stage 3 Lesson 53
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 54
Ground Lesson
Lesson Time 2.0

Course Review

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 55
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 56
Validation
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
Course Exam
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 57
Validation
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.

Course Deficiencies

Course Deficiencies
Stage 3 Lesson 58
Ground Lesson
Lesson Time 2.0

Course Deficiencies

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.

Private Pilot Evaluation

Private Pilot Evaluation
Stage 3 Lesson 59
Evaluation
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.

Private Pilot Evaluation
Stage 3 Lesson 60
Flight Evaluation
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.