



# **PRIVATE PILOT FLIGHT SYLLABUS**

**Part 61/141**

**Version 4**

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## About This Syllabus

### Course Objective:

This objective of this course is to give the student the necessary skill, knowledge, and experience required to obtain a Private Pilot Certificate with an Airplane category and Single-Engine Land Class rating.

### Prerequisites:

The student must meet the physical requirements of a third-class medical certificate, a Student Pilot, and must be able to read, speak, write, and understand the English language.

### Experience Requirements

Part 141 - 35 Hours of Flight Experience, 20 of which must be with a Certified Flight Instructor and 5 of which must be solo.

Part 61 - 40 hours of flight experience, 20 of which must be with a Certified Flight Instructor and 10 of which must be solo.

VTC Student – 55 Hours of flight experience, 20 of which must be with a Certified Flight Instructor and 10 of which must be solo.

### Private Pilot Certificate Course

This syllabus is comprised of flight training only. It satisfies both the need for aeronautical skill required to earn the Private Pilot Certificate. This course is designed to meet all of the requirements for a Private Pilot Certificate Part 141.

There are four stages consisting of seven modules each, a stage check, and an optional review. The ground and flight lessons will ideally occur together but may be done separately.

### Aviation Training Devices (ATD)

Select modules may be completed in an ATD. For Part 141 flight training, the total time completed in ATD may not exceed 15% of flight training hours required in the approved course. For Part 61 flight training, the total time completed in ATD may not exceed 2.5 hours.

ATD's are highly beneficial for teaching the processes and procedures of flying and fine-tuning skills. It is recommended to complete as many of the allotted hours as possible in the ATD as the skills learned transfer over to the airplane. This transfer of learning will help to reduce the number of hours flown in the airplane. Private Pilot License Minimum Course Hours

### Modules

Each module must be completed in full except for the optional reviews. In the case that a task may not be performed in an airplane the simulator may be used. In addition, the Chief Flight Instructor or his/her

designee may deem items within a lesson as not required to be completed provided adequate reason is given.

### **Testing Procedures**

At the end of each stage, a stage check must be accomplished. The stage check will be conducted by the Chief Flight Instructor, Assistant Chief Flight Instructor, or a Check Instructor.

The stage check grading scale follows the maneuver grading scale, except the minimum passing grade for each stage check is progressively raised to ensure that learning progression has occurred. The maneuver grade scale and stage check grading scale can be found in this syllabus.

### **Training Standards**

Training standards are based on the *Private Pilot Airmen Certification Standards*. Module completion standards become progressively harder throughout the syllabus in order to refine the student's skill, knowledge, and experience to meet ACS Standards.

## Maneuver Grading Scale

### NG – Not Graded

The task or maneuver was not graded because it was not performed

### 1 – Describe/Explain

The student was able to partially describe the physical aspects of the maneuver or task. The student required instructor assistance to manipulate the aircraft controls in the proper manner.

### 2 - Develop (Lowest Passing Grade)

The student was able to successfully communicate the procedures of the task or maneuver as well as understand the concepts that apply. The student required instructor assistance to manipulate the aircraft controls in the proper manner.

### 3 - Improve

The student was able to improve their physical skills in the task or maneuver. The student required assistance verbally or physically from the flight instructor to successfully complete the maneuver.

### 4 - Practice

The student was able to practice the task or maneuver with only verbal assistance from the flight instructor.

### 5 - Perform

The student was able to execute the task or maneuver with no instructor assistance and within the module completion standard.

### 6 - At Standards

The student was able to execute the task or maneuver with no instructor assistance and met or exceeded the ACS standards.

### NR - Not Required

The task or maneuver was not required to be completed in the lesson. This is only to be used with Chief Flight Instructor or his/her designee's approval or at the end of the course for optional review that were not necessary for the student to complete.

## Stage Check Grading Scale

For the stage checks, the same grading scale will be used, however the lowest passing grade to complete the stage check will be raised.

Stage one: the student must achieve at least a 3 on each task or maneuver.

Stage two, the student must achieve at least a 4 on each task or maneuver.

Stage three, the student must achieve at least a 5 on each task or maneuver.

Stage four, the student must achieve at least a 6 on each task or maneuver.

## Solo Grading Scale

### **C – Complete**

The student completed the task or maneuver.

### **NC – Not Complete**

The student did not complete the task or maneuver

### **NR – Not Required**

The task or maneuver was not required to be completed in the lesson. This is only to be used with Chief Flight Instructor or his/her designee's approval or at the end of the course for optional review that were not necessary for the student to complete.

## Private Pilot License Minimum Course Hour

Page	Stage and Module	Total Flight Time	Dual Local	Dual Cross Country	Night	Solo Flight	Solo Cross Country	Simulated Instrument	Complete
<b>1</b>	<b>Stage 1</b>	<b>10.5 (12*)</b>	<b>10.5 (12*)</b>						
2	Module 1	1.5	1.5						
2	Module 2	1.5	1.5						
3	Module 3	1.5	1.5						
3	Module 4	1.5	1.5						
4	Module 5	1.5	1.5						
4	Module 6	1.5	1.5						
5	Stage Check	1.5	1.5						
5	Review	1.5	1.5						
<b>6</b>	<b>Stage 2 (Dual)</b>	<b>10.5 (12*)</b>	<b>10.5 (12*)</b>						
7	Module 1	1.5	1.5						
7	Module 2	1.5	1.5						
8	Module 3	1.5	1.5						
8	Module 4	1.5	1.5						
9	Module 5	1.5	1.5						
9	Module 6	1.5	1.5						
10	Stage Check	1.5	1.5						
10	Review	1.5	1.5						
<b>11</b>	<b>Stage 2 (Solo)</b>	<b>4</b>	<b>1</b>			<b>3</b>			
12	Module 1	2.5	1			1.5			
12	Module 2	1.5				1.5			
<b>13</b>	<b>Stage 3</b>	<b>13.5 (15*)</b>	<b>3 (4.5*)</b>	<b>5</b>	<b>3</b>	<b>5.5</b>	<b>5.5</b>	<b>2.1 (2.4*)</b>	
14	Module 1	1.5	1.5		1.5			0.3	
14	Module 2	1.5		1.5				0.3	
15	Module 3	1.5		1.5	1.5			0.6	
15	Module 4	1.5				1.5	1.5		
16	Module 5	2		2				0.6	
16	Module 6	1.5				1.5	1.5		
17	Module 7	2.5				2.5	2.5		
17	Stage Check	1.5	1.5					0.3	
18	Review	1.5	1.5					0.3	
<b>19</b>	<b>Stage 4</b>	<b>10.5 (12*)</b>	<b>9 (10.5*)</b>			<b>1.5</b>		<b>1.2 (1.5*)</b>	
20	Module 1	1.5	1.5					0.3	
20	Module 2	1.5	1.5						
21	Module 3	1.5	1.5					0.3	
21	Module 4	1.5				1.5			
22	Module 5	1.5	1.5						
22	Module 6	1.5	1.5					0.3	
23	Stage Check	2	1.5					0.3	
23	Review	1.5	1.5					0.3	
	<b>Totals</b>	<b>49 (55*)</b>	<b>34 (40*)</b>	<b>5</b>	<b>3</b>	<b>10</b>	<b>5.5</b>	<b>3.3 (3.9*)</b>	

\*Note: \*Review flights are optional, however they may be necessary to meet the minimum course hours requirement of 55 hours of flight time.

## Part 61 §61.109 Aeronautical experience.

List and location of aeronautical flight tasks and hours required for Part 61 compliance

Part 61 - §61.109 Aeronautical experience		Location in Syllabus
(a)	40 hours of flight time.	Stages 1-4, All Modules
(a)	20 hours of flight training time.	Stages 1-4, All Modules
(a) (1)	3 hours of cross-country flight training.	Stage 3, Modules 2, 3, and 5
(a) (2)	3 hours of night flight training.	Stage 3, Modules 1 and 3
(a) (2) (i)	One-night cross-country flight over 100 nautical mile total distance.	Stage 3, Module 3
(a) (2) (ii)	10 takeoffs and 10 landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport.	Stage 3, Modules 1 and 3
(a) (3)	3 hours of flight training controlling the airplane solely by reference to instruments.	Stages 3 and 4
(a) (4)	3 hours of flight training in preparation for the practical test, within the preceding 2 calendar months from the month of the test.	
(a) (5)	10 hours of solo flight time	Stage 2(Solo)- Stage 4
(a) (5) (i)	5 hours of solo cross-country time	Stage 3, Modules 4, 6, and 7
(a) (5) (ii)	One solo cross-country flight of 150 nautical miles total distance, with full-stop landings at three points, and one segment of the flight consisting of a straight-line distance of more than 50 nautical miles between the takeoff and landing locations.	Stage 3, Module 7
(a) (5) (iii)	Three takeoffs and three landings to a full stop (with each landing involved a flight in the traffic pattern) at an airport with an operating control tower.	Stage 1-4, All Modules



## Part 141 Appendix B Compliance

List and location of aeronautical flight tasks required for Part 141 compliance.

<b>Part 141 Appendix B – Flight Training</b>		<b>Location in Syllabus</b>
<b>(1)</b>	35 Hours of flight Training	Stages 1-4, All Modules
<b>(2A)</b>	20 hours of flight training time.	Stages 1-4, All Modules
<b>(B)</b>	3 hours of cross-country flight training.	Stage 3, Modules 2, 3, and 5
<b>(3A)</b>	3 hours of night flight training.	Stage 3, Modules 1 and 3
<b>(B)</b>	One-night cross-country flight over 100 nautical mile total distance.	Stage 3, Module 3
<b>(C)</b>	10 takeoffs and 10 landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport.	Stage 1-4, All Modules
<b>(4)</b>	3 hours of flight training controlling the airplane solely by reference to instruments.	Stages 3 and 4
<b>(5A)</b>	5 Hours of solo flight training	Stage 2(Solo)-Stage 4
<b>(B)</b>	One 100 nautical miles cross country flight with landings at a minimum of three points and one segment of the flight consisting of a straight-line distance of more than 50 nautical miles	Stage 3, Modules 5 and 7
<b>(6)</b>	3 hours of flight training in preparation for the practical test within 60 days preceding the date of the test	

## Enrollment and Graduation Certificates

## Stage 1 – Introduction

### Objective

The purpose of this stage is to allow the pilot to become acquainted with the training airplane and the basic concepts of flight.

### Completion Standards

Stage One is complete when the pilot has successfully achieved the objectives of each module and can, at minimum, describe the procedures for each portion of flight covered.

### Flight Training

- Checklist Usage
- Preflight Procedures
- Introduction to the Airplane
- Taxiing
- Four Basics
- Slow Flight
- Steep Turns
- Stalls and Recoveries
- Ground Reference Maneuvers
- Collision Avoidance
- Postflight Procedures

## Stage 1/ Module 1

**Flight Training (1.5 Hours)****Module Objective:**

To introduce the student to basic VFR flight and allow them to get acquainted with the airplane controls.

**Content:***Teach*

- Checklist Usage
- Preflight Procedures
- Start-Up Procedures
- Taxi
- Position of Controls for Taxi
- Radio Communications
- Collision Avoidance
- Normal Takeoff
- Climbs (at V<sub>x</sub>, V<sub>y</sub>, and Cruise Climb)
- Clearing Turns (90, 180, 270, 360)
- Straight-and-Level
- Descents
- Normal Landing (Instructor Demonstrated)
- Postflight Procedures

**Completion Standards:**

When the student shows an understanding of preflight and the basic principles of VFR flight, this module is considered complete.

## Stage 1/ Module 2

**Flight Training (1.5 Hours)****Module Objective:**

To continue to familiarize the student with basic VFR flight and introduce them to how the airplane behaves at slow speeds as well as in steep banks.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Start-Up Procedures
- Taxi
- Position of Controls for Taxi
- Radio Communications
- Collision Avoidance
- Normal Takeoff
- Climbs (at V<sub>x</sub>, V<sub>y</sub>, and Cruise Climb)
- Clearing Turns (90, 180, 270, 360)
- Straight-and-Level
- Descents
- Normal Landing (Instructor Assisted)
- Postflight Procedures

*Teach*

- Weather Briefing
- Steep Turns
- Slow Flight

**Completion Standards:**

When the student demonstrates the ability to fly within 200 feet, airspeed within 20 Knots, bank angle within 20 degrees and heading within 20 degrees, the module is considered complete.

## Stage 1/ Module 3

**Flight Training (1.5 Hours)****Module Objective:**

To continue to familiarize the student with how the aircraft behaves in steeper banks and slow flight as well as to introduce the students to stalls and spin awareness.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Weather Briefing
- Position of Controls for Taxi
- Radio Communications
- Collision Avoidance
- Normal Takeoff
- Steep Turns
- Slow Flight
- Straight-and-Level
- Normal Landing
- Postflight Procedures

*Teach*

- Power-Off Stalls (Approach to Landing Stall)
- Power-On Stalls (Takeoff Stall)
- Spin Awareness
- Vy Climb from takeoff
- Weight and Balance
- Wake Turbulence Avoidance

**Completion Standards:**

When the student demonstrates the ability to fly within 200 feet, airspeed within 20 Knots, bank angle within 20 degrees and heading within 20 degrees, the module is considered complete.

## Stage 1/ Module 4

**Flight Training (1.5 Hours)****Module Objective:**

To continue to familiarize the student with private pilot maneuvers as well as familiarize the student with aircraft manuals and specifications.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Weather Briefing
- Weight and Balance
- Position of Controls for Taxi
- Radio Communications
- Collision Avoidance
- Normal Takeoff
- Steep Turns
- Slow Flight
- Power-Off Stalls
- Power-On Stalls
- Wake Turbulence Avoidance
- Normal Landing
- Postflight Procedures

*Teach*

- Review Aircraft Paperwork (POH)
- Vx Climb from Takeoff
- Accelerated Stall (Instructor Demonstrated)

**Completion Standards:**

When the student demonstrates the ability to fly within 200 feet, airspeed within 20 Knots, bank angle within 15 degrees and heading within 20 degrees, the module is considered complete.

## Stage 1/ Module 5

**Flight Training (1.5 Hours)****Module Objective:**

To allow the student to gain an understanding of the airport traffic pattern and procedures involved in flying in the pattern as well as how wind affects an airplane at low level.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Weight and Balance
- Position of Controls for Taxi
- Radio Communications
- Collision Avoidance
- Normal Takeoff
- Vy Climb from Takeoff
- Wake Turbulence Avoidance
- Normal Landing
- Postflight Procedures

*Teach*

- S-Turns
- Turns Around a Point
- Rectangular Course
- Traffic Pattern Procedures
- Touch and Go's
- Go Around

**Completion Standards:**

When the student demonstrates the ability to fly within 200 feet, airspeed within 20 Knots, bank angle within 15 degrees and heading within 20 degrees, the module is considered complete.

## Stage 1/ Module 6

**Flight Training (1.5 Hours)****Module Objective:**

For the student to become proficient in the private pilot maneuvers for the stage one stage check.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Weight and Balance
- Position of Controls for Taxi
- Radio Communications
- Collision Avoidance
- Normal Takeoff
- Steep Turns
- Slow Flight
- Power-Off Stalls
- Power-On Stalls
- Spin Awareness
- S-Turns
- Turns Around a Point
- Traffic Pattern Procedures
- Wake Turbulence Avoidance
- Touch and Go's
- Normal Landing
- Go Around
- Postflight Procedures

**Completion Standards:**

When the student demonstrates the ability to fly within 200 feet, airspeed within 20 Knots, bank angle within 15 degrees and heading within 20 degrees, the module is considered complete.

## Stage 1/ Stage Check

**Flight Training (1.5 Hours)****Module Objective:**

For the student to review Stage One tasks and meet the required flight criteria in the completion standards.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Weather Briefing
- Weight and Balance
- Position of Controls for Taxi
- Radio Communications
- Collision Avoidance
- Normal Takeoff
- Steep Turns
- Slow Flight
- Power-Off Stalls
- Power-On Stalls
- Spin Awareness
- S-Turns
- Turns Around a Point
- Traffic Pattern Procedures
- Wake Turbulence Avoidance
- Touch and Go's
- Normal Landing
- Go Around
- Postflight Procedures

**Completion Standards:**

When the student demonstrates the ability to fly within 200 feet, airspeed within 20 Knots, bank angle within 15 degrees and heading within 20 degrees, the module is considered complete.

## Stage 1/ Optional Review

**Flight Training (1.5 Hours)****Module Objective:**

For the student to review tasks on the Stage check on which they were deficient and meet the required flight criteria in the completion standards.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Weather Briefing
- Weight and Balance
- Position of Controls for Taxi
- Radio Communications
- Collision Avoidance
- Normal Takeoff.
- Steep Turns
- Slow Flight
- Power-Off Stalls
- Power-On Stalls
- Spin Awareness
- S-Turns
- Turns Around a Point
- Traffic Pattern Procedures
- Wake Turbulence Avoidance
- Touch and Go's
- Normal Landing
- Go Around
- Postflight Procedures

**Completion Standards:**

When the student demonstrates the ability to fly within 200 feet, airspeed within 20 Knots, bank angle within 15 degrees and heading within 20 degrees, the module is considered complete.

## Stage 2 (Dual) – Pre-Solo Flight

### Objective

The purpose of this stage is to allow the pilot to become proficient in operations and procedures for safe solo flight.

### Completion Standards

Stage Two (Dual) is complete when the pilot has successfully achieved the objectives of each module and can, at minimum, describe the procedures for each portion of flight covered.

### Flight Training

- Pre-Solo Maneuvers (14 CFR 61.87)
  - Preflight Preparation
  - Taxi/Runup
  - Takeoffs and Landings – Normal and Crosswind
  - The Four Basics
  - Climbing Turns
  - Traffic Pattern Procedures
  - Collision avoidance
  - Descents, with and without turns with and without flaps
  - Flight at Various Airspeeds
  - Stall Entries and Recoveries with Varying Power
  - Emergency Procedures and Equipment Malfunction
  - Ground Reference Maneuvers
  - Simulated Engine Malfunctions
  - Slips to a landings
  - Go-Arounds



## Stage 2 (Dual) / Module 1

**Flight Training (1.5 Hours)****Module Objective:**

For the student to develop their sense of how wind affects an airplane during landing, how an aircraft behaves in forward and sideslip configurations, and engine failure procedures.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Wake Turbulence Avoidance
- Postflight Procedures

*Teach*

- Simulated Engine Failures
  - During Takeoff Roll
  - Immediately After Takeoff
  - During Flight (Restart Procedures)
- Forward Slip to Landing
- Go – No – Go Decision
- Aborted Takeoff
- Crosswind Takeoff
- Crosswind Landing

**Completion Standards:**

When the student demonstrates the ability to fly within 200 feet, airspeed within 20 Knots, bank angle within 15 degrees and heading within 20 degrees, the module is considered complete.

## Stage 2 (Dual) / Module 2

**Flight Training (1.5 Hours)****Module Objective:**

For the student to review engine out procedures in cruise and introduce additional emergency procedures on the ground and in the air.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Normal Takeoff
- Go – No – Go Decision
- Traffic Pattern Procedures
- Simulated Engine Failure
- Wake Turbulence Avoidance
- Touch and Go's
- Go Around
- Normal Landing
- Postflight Procedures

*Teach*

- Simulated Fires
  - During Start
  - Engine Fire in flight
  - Electrical Fire in flight
  - Cabin Fire
  - Wing Fire
- Simulated System Failures
  - Communication System Failure
  - Electrical System Failure
  - Instrumentation/Display Failure
- Simulated Engine Failure in the Pattern

**Completion Standards:**

When the student demonstrates the ability to fly within 200 feet, airspeed within 20 Knots, bank angle within 15 degrees and heading within 20 degrees, the module is considered complete.

## Stage 2 (Dual) / Module 3

**Flight Training (1.5 Hours)****Module Objective:**

For the student to gain more practice in the pattern and review emergency procedures in the pattern.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Normal Takeoff
- Aborted Takeoff
- Traffic Pattern Procedures
- Touch and Go's
- Simulated Engine Failure in the Pattern
- Simulated System Failure
- Normal Landing
- Postflight Procedures

*Teach*

- Light Gun Signals

**Completion Standards:**

When the student demonstrates the ability to fly within 150 feet, airspeed within 15 Knots, bank angle within 5 degrees and heading within 15 degrees, the module is considered complete.

## Stage 2 (Dual) / Module 4

**Flight Training (1.5 Hours)****Module Objective:**

For the student to continue to develop precise control and handling of the airplane.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Normal Takeoff
- Aborted Takeoff
- Steep Turns
- Slow Flight
- Power-Off Stalls
- Power-On Stalls
- Accelerated Stall (Instructor Demonstrated)
- Simulated Engine Failure
- S-Turns
- Turns Around a Point
- Forward Slip to Landing
- Postflight Procedures

*Teach*

- Descents With and Without Power and Flaps
- No Flap Landing

**Completion Standards:**

When the student demonstrates the ability to fly within 150 feet, airspeed within 15 Knots, bank angle within 5 degrees and heading within 15 degrees, the module is considered complete.

## Stage 2 (Dual) / Module 5

**Flight Training (1.5 Hours)**

For the student to review pre-solo maneuvers and meet the required flight criteria in the completion standards

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Normal Takeoff
- Steep Turns
- Slow Flight
- Power-Off Stalls
- Power-On Stalls
- Simulated Engine Failure
- Simulated System Failure
- S-Turns
- Turns Around a Point
- Normal Landing
- No Flap Landing
- Postflight Procedures

**Completion Standards:**

When the student demonstrates the ability to fly within 100 feet, airspeed within 10 Knots, bank angle within 5 degrees and heading within 10 degrees, the module is considered complete.

## Stage 2 (Dual) / Module 6

**Flight Training (1.5 Hours)****Module Objective:**

For the student to continue to develop precise control and handling of the airplane in the traffic pattern.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Normal Takeoff
- Traffic Pattern Procedures
- Simulated Engine Failure in the Pattern
- Go Around
- Touch and Go's
- Normal Landing
- Postflight Procedures

**Completion Standards:**

When the student demonstrates the ability to fly within 100 feet, airspeed within 10 Knots, bank angle within 5 degrees and heading within 10 degrees, the module is considered complete

## Stage 2 (Dual) / Stage Check

**Flight Training (1.5 Hours)****Module Objective:**

For the student to review Stage Two tasks and meet the required flight criteria in the completion standards.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Normal Takeoff
- Aborted Takeoff
- Steep Turns
- Slow Flight
- Power-Off Stalls
- Power-On Stalls
- Simulated Engine Failure
- Simulated System Failure
- S-Turns
- Turns Around a Point
- Traffic Pattern Procedures
- Simulated Engine Failure in Pattern
- Go Around
- Normal Landing
- Postflight Procedures

**Completion Standards:**

When the student demonstrates the ability to fly within 100 feet, airspeed within 10 Knots, bank angle within 5 degrees and heading within 10 degrees, the module is considered complete.

## Stage 2 (Dual) / Optional Review

**Flight Training (1.5 Hours)****Module Objective:**

For the student to review and practice any areas of flight they are deficient in.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Normal Takeoff
- Aborted Takeoff
- Steep Turns
- Slow Flight
- Power-Off Stalls
- Power-On Stalls
- Simulated Engine Failure
- Simulated System Failure
- S-Turns
- Turns Around a Point
- Traffic Pattern Procedures
- Simulated Engine Failure in Pattern
- Go Around
- Normal Landing
- Postflight Procedures

**Completion Standards:**

When the student demonstrates the ability to fly within 100 feet, airspeed within 10 Knots, bank angle within 5 degrees and heading within 10 degrees, the module is considered complete.

## Stage 2 (Solo) – Solo Flight

### Objective

The purpose of this stage is for the pilot to fly the aircraft solo both in the airport traffic pattern and in the vicinity of the airport.

### Completion Standards

Stage Two (Solo) is complete when the pilot has successfully achieved the objectives of each module.

### Flight Training

- Solo Flight (Pattern)
- Solo Flight (Local)

## Stage 2 (Solo) / Module 1

**Flight Training** (*Dual & Solo*)*(1 Hour Dual) (1 Hour Solo)***Module Objective:**

For the student to complete their first solo flight in the pattern of the airport.

**Content:***Dual*

- Checklist Usage
- Preflight Procedures
- Minimum of 3 Normal Takeoffs
- Minimum of 3 Normal Landings
- Postflight Procedures

*Solo*

- Checklist Usage
- Preflight Procedures
- Minimum of 3 Normal Takeoffs
- Minimum of 3 Normal Landings
- Postflight Procedures

**Completion Standards:**

When the student demonstrates the ability to perform a solo flight safely and performs their first solo flight.

## Stage 2 (Solo) / Module 2

**Flight Training** (*Solo*)*(1.5 Hours)***Module Objective:**

For the student to complete their first solo flight in the vicinity of the airport.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Normal Takeoff
- Steep Turns
- Slow Flight
- Normal Landing
- Postflight Procedures

**Completion Standards:**

When the student completes all tasks required in the module.

## Stage 3 – Night Flight & Cross-Country Flight

### Objective

The purpose of this stage is to expose the student to the complexities of night flight and cross country flying as a VFR pilot and for them to further expand their solo flight skills both locally and in a cross-country flight environment.

### Completion Standards

Stage Three is complete when the pilot has successfully achieved the objectives of each module and can, at minimum, describe the procedures for each portion of flight covered.

### Flight Training

- Emergency Situations
- Weather Briefing
- Cross country flight
- Normal and Crosswind Takeoffs and Landings
- Short Field Takeoffs and Landings
- Soft Field Takeoffs and Landings
- Night Flight
- Night Landings
- Pilotage
- Dead Reckoning
- VOR Navigation and Tracking Radials
- GPS Navigation
- Navigation at Night

## Stage 3/ Module 1

**Flight Training (1.5 Hours) (Night)****Module Objective:**

For the student to be introduced to flight at night, navigation, and flight solely by reference to instruments.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Light Gun Signals
- Postflight Procedures

*Teach*

- Night Flying Procedures
- Navigation via VOR/GPS/Pilotage/Dead Reckoning to a Satellite Airport
- Use of Sectional
- Short Field Takeoff
- Short Field Landing
- Stop and Go's
- Minimum of 8 Landings to a Full Stop
- Simulated Landing Light Failure on Landing

*Instrument*

- Unusual Attitudes
- Straight and Level
- Slow Flight
- Turns to Headings
- Standard Rate Turns

**Completion Standards:**

When the student demonstrates the ability to fly within 150 feet, airspeed within 15 Knots, bank angle within 5 degrees and heading within 15 degrees, the module is considered complete.

## Stage 3/ Module 2

**Flight Training (1.5 Hours) (Cross Country)****Module Objective:**

For the student to begin practice for landing on soft fields while simultaneously being introduced to the process of cross-country planning.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Use of Sectional
- Simulated Engine Failure
- Wake Turbulence Avoidance
- Light Gun Signals
- Postflight Procedures

*Instrument*

- Navigation
- Straight and Level
- Turns

*Teach*

- Obtain a Weather Briefing
- Soft Field Takeoff
- Soft Field Landing
- Navigation via Pilotage/ Dead Reckoning to an Airport 50 NM or Greater Straight-Line Distance
- Navigation via GPS/VOR
- Use of Flight Log
- Filing a Flight Plan
- Lost Procedures

**Completion Standards:**

When the student demonstrates the ability to fly within 150 feet, airspeed within 15 Knots, bank angle within 5 degrees and heading within 15 degrees, the module is considered complete.



## Stage 3/ Module 3

**Flight Training (1.5 Hours) (Night Cross Country)****Module Objective:**

For the student to gain additional experience in cross country flight planning with an unplanned diversion to an alternate airport

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Filing a Flight Plan
- Short Field Takeoff
- Navigation via VOR/Pilotage/ Dead Reckoning to an Airport 50 NM or Greater Straight-Line Distance
- Navigation via GPS/VOR
- Use of Flight Log
- Use of Sectional
- Lost Procedures
- Simulated Engine Failure
- Simulated System Failure
- Stop and Go
- Minimum of 8 Landings to a Full Stop
- Short Field Landing
- Postflight Procedures

*Teach*

- Diversion to Another Airport

*Instrument*

- Navigation
- Straight and Level
- Turns

**Completion Standards:**

When the student demonstrates the ability to fly within 150 feet, airspeed within 15 Knots, bank angle within 5 degrees and heading within 15 degrees, the module is considered complete.

## Stage 3/ Module 4

**Flight Training (1.5 Hours) (Solo Cross Country)****Module Objective:**

For the student to conduct a cross country flight of at least fifty nautical miles to gain experience in solo cross-country operations.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Normal Takeoff
- Use of Sectional
- Navigation to an Airport of at Least 50 NM Straight Line Distance
- Normal Landing
- Postflight Procedures

**Completion Standards:**

When the student demonstrates the ability to fly within 100 feet, airspeed within +10/-5 Knots during slow flight climb and descent, +/-10 Knots for all other maneuvers, bank angle within 5 degrees and heading within 10 degrees, the module is considered complete

## Stage 3/ Module 5

**Flight Training (2 Hours)****Module Objective:**

For the student to conduct a cross country flight of one hundred fifty nautical miles or more to prepare for solo cross-country flight.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Short Field Takeoff
- Soft Field Takeoff
- Pilotage/Dead Reckoning
- Navigation via GPS/VOR
- Use of Sectional
- Lost Procedures
- Simulated System Failure
- Short Field Landing
- Soft Field Landing
- Postflight Procedures

*Instrument*

- Straight and Level
- Turns to Headings

*Teach*

- Cross Country Flight of 150 NM or More Total Distance Consisting of Landings at a Minimum of Three Different Airports and One Leg of at Least 50 NM Straight Line Distance

**Completion Standards:**

When the student demonstrates the ability to fly within 100 feet, airspeed within +10/-5 Knots during slow flight climb and descent, +/-10 Knots for all other maneuvers, bank angle within 5 degrees and heading within 10 degrees, the module is considered complete

## Stage 3/ Module 6

**Flight Training (1.5 Hours) (Solo Cross Country)****Module Objective:**

For the student to conduct a cross country flight of at least fifty nautical miles to gain experience in solo cross-country operations.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Normal Takeoff
- Use of Sectional
- Normal Landing
- Postflight Procedures

*Teach*

- Navigation to an Airport of at Least 50 NM Straight Line Distance

**Completion Standards:**

When the student demonstrates the ability to fly within 100 feet, airspeed within +10/-5 Knots during slow flight climb and descent, +/-10 Knots for all other maneuvers, bank angle within 5 degrees and heading within 10 degrees, the module is considered complete

## Stage 3/ Module 7

**Flight Training (2.5 Hours) (Solo)****Module Objective:**

For the student to complete a solo cross-country flight of one hundred fifty nautical miles or greater to gain additional experience.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Normal Takeoff
- Use of Sectional
- Navigation via VOR/GPS/Pilotage/Dead Reckoning
- Normal Landings (Full Stop)
- Postflight Procedures

*Teach*

- Navigation for a Cross Country Flight of 150 NM or More Total Distance Consisting of Landings at a Minimum of Three Different Airports and One Leg of at Least 50 NM Straight Line Distance

**Completion Standards:**

When the student demonstrates the ability to fly within 100 feet, airspeed within +10/-5 Knots during slow flight climb and descent, +/-10 Knots for all other maneuvers, bank angle within 5 degrees and heading within 10 degrees, the module is considered complete

## Stage 3/ Stage Check

**Flight Training (1.5 Hours)****Module Objective:**

For the student to review Stage Three tasks and meet the required flight criteria in the completion standards.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Normal Takeoff
- Short Field Takeoff
- Soft Field Takeoff
- Navigation via VOR/GPS/Pilotage/Dead Reckoning to a Satellite Airport
- Use of Sectional
- Lost Procedures
- Simulated Engine Failure
- Simulated System Failure
- Short Field Landing
- Soft Field Landing
- Normal Landing
- Postflight Procedures

*Instrument*

- Unusual Attitudes
- Straight and Level
- Slow Flight
- Turns to Headings
- Standard Rate Turns

**Completion Standards:**

When the student demonstrates the ability to fly within 100 feet, airspeed within 10 Knots, bank angle within 5 degrees and heading within 10 degrees, the module is considered complete

## Stage 3/ Optional Review

### **Flight Training (1.5 Hours)**

#### **Module Objective:**

For the student to review Stage Three tasks and meet the required flight criteria in the completion standards.

#### **Content:**

##### *Review*

- Checklist Usage
- Preflight Procedures
- Normal Takeoff
- Short Field Takeoff
- Soft Field Takeoff
- Navigation via VOR/GPS/Pilotage/Dead Reckoning to a Satellite Airport
- Use of Sectional
- Lost Procedures
- Simulated Engine Failure
- Simulated System Failure
- Short Field Landing
- Soft Field Landing
- Normal Landing
- Postflight Procedures

##### *Instrument*

- Unusual Attitudes
- Straight and Level
- Slow Flight
- Turns to Headings
- Standard Rate Turns

#### **Completion Standards:**

When the student demonstrates the ability to fly within 100 feet, airspeed within 10 Knots, bank angle within 5 degrees and heading within 10 degrees, the module is considered complete

## Stage 4 Checkride Preparation

### Objective

The purpose of this stage is to allow the pilot to become proficient in all procedures and maneuvers, to gain the required solo cross country flight experience, and prepare the pilot for the FAA Oral and Practical Tests.

### Completion Standards

Stage Four is complete when the pilot has successfully achieved the objectives of each module and can, at minimum, describe the procedures for each portion of flight covered.

### Flight Training

- Checklist Usage
- Preflight Procedures
- Soft Field Takeoff
- Short Field Takeoff
- Steep Turns
- Slow Flight
- Power-Off Stalls
- Power-On Stalls
- Simulated Engine Failure
- S-Turns
- Turns Around a Point
- Soft field Landing
- Short Field Landing
- Normal Landing
- Forward Slip to Landing
- No Flap Landing
- Go Around
- Simulated Engine Failure in the Pattern
- Postflight Procedures

### *Instrument*

- Unusual Attitudes
  - Straight and Level
  - Slow Flight
- 
- Checkride Sign-Off

## Stage 4/ Module 1

**Flight Training (1.5 Hours)****Module Objective:**

To continue to develop the necessary level of aircraft handling required to pass the Private Pilot Practical Exam.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Soft Field Takeoff
- Short Field Takeoff
- Steep Turns
- Slow Flight
- Power-Off Stalls
- Power-On Stalls
- Simulated Engine Failure
- S-Turns
- Turns Around a Point
- Soft field Landing
- Short Field Landing
- Normal Landing
- Postflight Procedures

*Instrument*

- Unusual Attitudes
- Straight and Level
- Slow Flight
- Turns to Headings
- Standard Rate Turns

**Completion Standards:**

When the student demonstrates the ability to fly within 100 feet, airspeed within +10/-5 Knots during slow flight climb and descent, +/-10 Knots for all other maneuvers, bank angle within 5 degrees and heading within 10 degrees, the module is considered complete

## Stage 4/ Module 2

**Flight Training (1.5 Hours)****Module Objective:**

To continue to develop the necessary level of aircraft handling required to pass the Private Pilot Practical Exam.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Aborted Takeoff
- Normal Takeoff
- Soft Field Takeoff
- Short Field Takeoff
- Steep Turns
- Slow Flight
- Power-Off Stalls
- Power-On Stalls
- Simulated Engine Failure
- Simulated System Failure
- S-Turns
- Turns Around a Point
- Soft field Landing
- Short Field Landing
- Forward Slip to Landing
- Normal Landing
- Postflight Procedures

**Completion Standards:**

When the student demonstrates the ability to fly within 100 feet, airspeed within +10/-5 Knots during slow flight climb and descent, +/-10 Knots for all other maneuvers, bank angle within 5 degrees and heading within 10 degrees, the module is considered complete

## Stage 4/ Module 3

**Flight Training (1.5 Hours)****Module Objective:**

For the student to continue to familiarize themselves with the safe operation of an airplane and learn how to deal with an inadvertent entry into an unusual attitude.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Normal Takeoff
- Soft Field Takeoff
- Short Field Takeoff
- Steep Turns
- Slow Flight
- Power-Off Stalls
- Power-On Stalls
- Simulated Engine Failure
- S-Turns
- Turns Around a Point
- Soft Field Landing
- Short Field Landing
- Normal Landing
- Postflight Procedures

*Instrument*

- Unusual Attitudes
- Straight and Level
- Slow Flight
- Turns to Headings

**Completion Standards:**

When the student demonstrates the ability to fly within 100 feet, airspeed within +10/-5 Knots during slow flight climb and descent, +/-10 Knots for all other maneuvers, bank angle within 5 degrees and heading within 10 degrees, the module is considered complete

## Stage 4/ Module 4

**Flight Training (1.5 Hours) (Solo)****Module Objective:**

To continue to develop the necessary level of aircraft handling required to pass the Private Pilot Practical Exam.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Normal Takeoff
- Soft Field Takeoff
- Short Field Takeoff
- Steep Turns
- Slow Flight
- Power-Off Stalls
- Soft Field Landing
- Short Field Landing
- Normal Landing
- Forward Slip to Landing
- Postflight Procedures

**Completion Standards:**

When the student demonstrates the ability to fly within 100 feet, airspeed within +10/-5 Knots during slow flight climb and descent, +/-10 Knots for all other maneuvers, bank angle within 5 degrees and heading within 10 degrees, the module is considered complete

## Stage 4/ Module 5

**Flight Training (1.5 Hours)****Module Objective:**

For the student to review the Private pilot maneuvers in preparation for the stage check

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Aborted Takeoff
- Normal Takeoff
- Soft Field Takeoff
- Short Field Takeoff
- Steep Turns
- Slow Flight
- Power-Off Stalls
- Power-On Stalls
- Simulated Engine Failure
- Simulated System Failure
- S-Turns
- Turns Around a Point
- Soft field Landing
- Short Field Landing
- Forward Slip to Landing
- Simulated Engine Failure in pattern
- Normal Landing
- Go Around
- Postflight Procedures

**Completion Standards:**

When the student demonstrates the ability to fly within 100 feet, airspeed within 10 Knots, bank angle within 5 degrees and heading within 10 degrees, the module is considered complete

## Stage 4/ Module 6

**Flight Training (1.5 Hours)****Module Objective:**

For the student to prepare to take the Private Pilot Practical Exam.

**Content:***Review*

- Checklist Usage
- Preflight Procedures
- Soft Field Takeoff
- Short Field Takeoff
- Steep Turns
- Slow Flight
- Power-Off Stalls
- Power-On Stalls
- Simulated Engine Failure
- S-Turns
- Turns Around a Point
- Soft field Landing
- Short Field Landing
- Forward Slip to Landing
- Normal Landing
- Postflight Procedures

*Instrument*

- Unusual Attitudes
- Turns to Headings
- Slow Flight

**Completion Standards:**

When the student demonstrates the ability to fly within 100 feet, airspeed within +10/-5 Knots during slow flight climb and descent, +/-10 Knots for all other maneuvers, bank angle within 5 degrees and heading within 10 degrees, the module is considered complete



## Stage 4/ Stage Check and End of Course

### Flight Training (1.5 Hours)

#### Module Objective:

To provide a final check to ensure the student is ready to take the Private Pilot Practical Exam.

#### Content:

##### Review

- Checklist Usage
- Preflight Procedures
- Soft Field Takeoff
- Short Field Takeoff
- Steep Turns
- Slow Flight
- Power-Off Stalls
- Power-On Stalls
- Simulated Engine Failure
- S-Turns
- Turns Around a Point
- Soft Field Landing
- Short Field Landing
- Normal Landing
- Forward Slip to Landing
- Go Around
- Simulated Engine Failure in the Pattern
- Postflight Procedures

##### Instrument

- Unusual Attitudes
- Turns to Headings
- Slow Flight

#### Completion Standards:

When the student demonstrates the ability to fly within 100 feet, airspeed within +10/-5 Knots during slow flight climb and descent, +/-10 Knots for all other maneuvers, bank angle within 5 degrees and heading within 10 degrees, the module is considered complete.

## Stage 4/ Optional Review

### Flight Training (1.5 Hours)

#### Module Objective:

To allow the student to review any deficient flight or ground knowledge areas.

#### Content:

##### Review

- Checklist Usage
- Preflight Procedures
- Soft Field Takeoff
- Short Field Takeoff
- Steep Turns
- Slow Flight
- Power-Off Stalls
- Power-On Stalls
- Simulated Engine Failure
- S-Turns
- Turns Around a Point
- Soft Field Landing
- Short Field Landing
- Normal Landing
- Forward Slip to Landing
- Go Around
- Simulated Engine Failure in the Pattern
- Postflight Procedures

##### Instrument

- Unusual Attitudes
- Turns to Headings
- Slow Flight

#### Completion Standards:

When the student demonstrates the ability to fly within 100 feet, airspeed within +10/-5 Knots during slow flight climb and descent, +/-10 Knots for all other maneuvers, bank angle within 5 degrees and heading within 10 degrees, the module is considered complete.