



PILOT RISE
LLC

Private Pilot Syllabus

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Version 4

Description:

This course makes getting your private pilot's license easier and cheaper than traditional methods. We incorporate simulators and ground training to teach you what you need to know to become a great pilot. The focus of this course is to teach you piloting skills to not just pass a test, but be a safe and knowledgeable pilot.

This course consists of four major parts:

- Flight training
- Ground training
- Online Ground Course / Homework (Gold Seal Online Ground School - Private Pilot)
- Simulator training (this part is optional)

Objectives:

1. To prepare student pilots for the Private Pilot written test
2. To prepare student pilots for soloing an aircraft
3. To instill private pilot knowledge into students with a focus on the long term
4. To help student pilots earn their Private Pilot's license

Topics:

Ground Training:

1. Principles of Flight
2. Airspace
3. Flight Planning
4. Navigation
5. Weather
6. Instruments
7. Weight and Balance
8. Aircraft Performance
9. Airport Operations
10. Regulations
11. Aircraft Systems
12. Other Technical Subjects

Flight and Simulator Training:

1. Fundamental Maneuvers
2. Controls and Instruments
3. Airport Operations
4. Preflight Planning
5. Preflight Checks
6. Takeoffs
7. Landings
8. Maneuvers, Stalls, Slow Flight
9. Emergency Operations
10. Navigation

Estimations:

Home Study	Simulator	Flight Hours (\$77)		Sim Hours		Ground Hours (\$55) (includes preflight and post flight)	Total Cost (block rate)
		Solo	Dual	Alone	Instruction		
! DO THIS !	YES	15.5	24.5	5	5	23	\$6,000
	NO	20	30	-	-		\$6,800
Moderate	YES	16.5	30	5	5	33	\$7,300
	NO	22	36	-	-		\$8,300
Little	YES	17.5	35	5	5	50	\$9,000
	NO	24	40	-	-		\$9,900

Lessons:

This is a list of each lesson which will be taught. One lesson may need multiple sessions to complete, and several lessons may be completed in a single session.

Key:

Without simulator: [Flight hours | Ground hours]

With simulator: (Flight hours | Sim hours)

Lesson	Flight	Simulator (optional)	Ground	Homework
<p>1</p> <p>[2 1.5] (2 0)</p>	<ul style="list-style-type: none"> ● Startup ● Taxi ● Runup ● Takeoff ● Four Fundamentals ● Following a Road ● Slow Flight ● Learning the Area ● Basics of Radio 		<ul style="list-style-type: none"> ● Student Questionnaire ● Citizenship Verification ● Preflight ● Student Pilot 8710 ● Student Package ● Refueling ● Securing / Post flight 	<ul style="list-style-type: none"> ● Sign Up for Ground Courses ● "Aircraft Basics" ● "Pilot Qualifications" ● "Aircraft Requirements" ● "Aerodynamics 101" ● "Aerodynamics 102"
<p>2</p> <p>[2 1.5] (1.5 1)</p>	<ul style="list-style-type: none"> ● Previous Flight ● Rectangular Course ● Turns around a point ● S-Turns ● Steep Turns ● Slow Flight ● Pattern Work ● Side Slip ● Crabbing for wind ● Forward Slip ● Basics of Radio 	<ul style="list-style-type: none"> ● Fundamentals ● Startup ● Runup ● Takeoff ● Slow flight 	<ul style="list-style-type: none"> ● Rectangular Course ● Turns around a point ● S-Turns ● Steep Turns ● Intro to the pattern 	<ul style="list-style-type: none"> ● Fill out MedExpress form (schedule medical) ● Remaining lessons in section 1 ● "Phonetic Alphabet" ● "Airport Operations" ● "Stalls, Spins, Spirals" ● "Stall Recovery Basics"

<p style="text-align: center;">3</p> <p>[4 2] (2 2)</p>	<ul style="list-style-type: none"> ● Slow Flight ● Steep Turns ● Power off stalls ● Power on stalls ● Spin awareness ● Lost procedures ● Emergency procedures 	<ul style="list-style-type: none"> ● Stalls ● Slow flight ● Emergency procedures 	<ul style="list-style-type: none"> ● Stall Fundamentals ● Emergency procedures 	<ul style="list-style-type: none"> ● Remaining lessons in section 2 ● Part 91 Regulations ● “Weight and Balance” section 5
<p style="text-align: center;">4</p> <p>[4 2] (2 2)</p>	<ul style="list-style-type: none"> ● Trouble area practice ● Some landing practice 	<ul style="list-style-type: none"> ● Landings ● General practice 	<ul style="list-style-type: none"> ● Flight rules review ● Weight and Balance ● Wind and runways 	<ul style="list-style-type: none"> ● “Things forgotten” ● “Transponders” ● “Engines and Systems” ● “Calculating crosswind...” ● “Ground reference maneuvers” ● “Steep turns” ● Airspace quiz ● Study chart and legend
<p style="text-align: center;">5</p> <p>[3 2] (1.5 1.5)</p>	<ul style="list-style-type: none"> ● Pattern practice ● Landing practice 	<ul style="list-style-type: none"> ● Landing practice ● Radio practice 	<ul style="list-style-type: none"> ● Review ● Charts 	<ul style="list-style-type: none"> ● Pilot regulation lessons ● Study notes ● Study airspace ● Study operating manual
<p style="text-align: center;">6</p> <p>[1.5 2] (1.5 0)</p>	<ul style="list-style-type: none"> ● Pre-Solo Flight ● FIRST SOLO 		<ul style="list-style-type: none"> ● Pre-Solo Test ● Review trouble areas 	<ul style="list-style-type: none"> ● Study trouble areas / missed questions ● “Performance Charts” section 5
<p style="text-align: center;">7</p> <p>[2 1] (1 1)</p>	<ul style="list-style-type: none"> ● Recap everything flight 	<ul style="list-style-type: none"> ● General practice 	<ul style="list-style-type: none"> ● Performance calculations ● Review 	<ul style="list-style-type: none"> ● Aviation Weather section 4
<p style="text-align: center;">8</p> <p>[3 1.5] (1.5 1.5)</p>	<ul style="list-style-type: none"> ● SOLO maneuvers ● SOLO landings 	<ul style="list-style-type: none"> ● General practice 	<ul style="list-style-type: none"> ● Aviation Weather 	<ul style="list-style-type: none"> ● “Mastering Flight Following” ● “VOR Navigation” ● “Cross-Country Flight Planning”

<p>9</p> <p>[2 2.5] (2 0)</p>	<ul style="list-style-type: none"> • Short Cross Country • Pilotage • Dead Reckoning • VORs • Simulated Instrument • Lost procedures • Diverting • Flight Following 	<ul style="list-style-type: none"> • Cross country practice • VOR practice • Instrument 	<ul style="list-style-type: none"> • Cross Country Planning 	<ul style="list-style-type: none"> • Remaining section 5
<p>10</p> <p>[2 1.5] (1.5 0.5)</p>	<ul style="list-style-type: none"> • Performance landings • Pattern work • Grass strip 	<ul style="list-style-type: none"> • Landings 	<ul style="list-style-type: none"> • Aviation Weather • Cross Country Planning • Trouble Areas 	<ul style="list-style-type: none"> • STUDY STUDY STUDY
<p>11</p> <p>[2 0.2] (2 0)</p>	<ul style="list-style-type: none"> • SOLO CROSS COUNTRY 		<ul style="list-style-type: none"> • Review flight planning 	<ul style="list-style-type: none"> • Practice written test • Study
<p>12</p> <p>[3 1.2] (3 0)</p>	<ul style="list-style-type: none"> • 100nm Cross Country • Simulated Instrument • Pilotage • Dead Reckoning • Flight Following 		<ul style="list-style-type: none"> • Flight planning • Assisted ground study 	<ul style="list-style-type: none"> • Written test if able
<p>13</p> <p>[2 0.5] (2 0)</p>	<ul style="list-style-type: none"> • Tower airport training • Night training 		<ul style="list-style-type: none"> • Checkride Prep 	<ul style="list-style-type: none"> • Checkride Study
<p>14</p> <p>[1.5 0] (1.5 0)</p>	<ul style="list-style-type: none"> • SOLO Towered airport 		<ul style="list-style-type: none"> • Checkride Prep 	<ul style="list-style-type: none"> • Checkride Study
<p>15</p> <p>[2.5 0.2] (2.5 0)</p>	<ul style="list-style-type: none"> • SOLO 150nm Cross Country 		<ul style="list-style-type: none"> • Checkride Prep 	<ul style="list-style-type: none"> • Checkride Study

<p>16 [2.5 0.2] (2.5 0)</p>	<ul style="list-style-type: none"> • SOLO Cross Country 		<ul style="list-style-type: none"> • Checkride Prep 	<ul style="list-style-type: none"> • Checkride Study
<p>17 [5 1.5] (2.5 2.5)</p>	<ul style="list-style-type: none"> • Maneuver practice • Landing practice • Emergency procedures 	<ul style="list-style-type: none"> • General practice 	<ul style="list-style-type: none"> • Checkride Prep 	<ul style="list-style-type: none"> • Checkride Study
<p>18 [8 1.5] (4 4)</p>	<ul style="list-style-type: none"> • SOLO Checkride practice 	<ul style="list-style-type: none"> • General practice 	<ul style="list-style-type: none"> • Checkride Prep 	<ul style="list-style-type: none"> • Checkride Study
<p>19 [2.5 3.5] (2.5 0)</p>	<ul style="list-style-type: none"> • Practice Checkride 		<ul style="list-style-type: none"> • Practice Oral 	<ul style="list-style-type: none"> • Checkride Study
<p>20 [2 1.5] (1 1)</p>	<ul style="list-style-type: none"> • FINAL SOLO PRACTICE 	<ul style="list-style-type: none"> • General practice 	<ul style="list-style-type: none"> • Checkride Prep 	<ul style="list-style-type: none"> • Checkride Study
<p>FINAL [3 0] (0 0)</p>	<ul style="list-style-type: none"> • CHECKRIDE!!! 			