



**US Flight CO**  
 500 Richards Rd.  
 Kansas City, MO 64116

**Charles B. Wheeler Downtown Airport**  
 P: 816-542-7525  
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## **US Flight Co / King Schools Private Pilot Curriculum Summary**

<b>Flight Lesson</b>	<b>Objective</b>
<b>STAGE 1</b> <b>Familiarization and Basic Control</b>	<ul style="list-style-type: none"> <li>- Learn about basic aerodynamic concepts including stalls and spins, flight instruments, communications and radar services, VFR Charts, and elements of takeoffs and landings.</li> <li>- Acquire an understanding of safety precautions, preflight preparation and decisions involved with managing potential flight risks.</li> <li>- Perform with minimal instructor assistance collision avoidance procedures, radio communications, basic visual maneuvers including turns, climbs, descents and straight and level flight and explore control by instrument reference.</li> <li>- Also experience the sensations of approaching a stall and making correct recovery control inputs, discover how to correct for wind to achieve desired flight path, gliding, and start making takeoffs and landings.</li> <li>- Complete progress check</li> </ul>
Flight Lesson 1 — Introduction and Familiarization — Dual	Becoming familiar with the airport environment, your aircraft, safety precautions, preflight preparations, basic aircraft control on the ground and in the air, and post flight operations.
Flight Lesson 2 — Exploring Control — Dual	Start basic communications, apply rudder for turns and power/airspeed changes, combine climbs with turns and make descents with turns, flaps and no power, and build confidence in basic maneuvering.
Flight Lesson 3 — Interpreting the Instruments and Investigating Slow Flight — Dual	With minimal assistance, perform before flight operations, basic in-flight control, and post-flight operations. Correlate instruments to outside view and note controls and sensory inputs when flying slowly.
Flight Lesson 4 — Learning About Stalls and Improving Control — Dual	Learn signs of an approaching stall and how to recover when entered. Increase precision holding altitude, heading, bank, and airspeed in the fundamental maneuvers using visual and instrument reference.
Flight Lesson 5 — Flying a Desired Path Over the Ground — Dual	Become aware of the wind's effect on your flight path and learn how to stay on a desired track over the ground. Continue building skill with maneuvers, slow flight and stalls and gain confidence with the radio.
Flight Lesson 6 — Instrument Reference and Progress Check — Dual	Become aware of the wind's effect on your flight path and learn how to stay on a desired track over the ground. Continue building skill with maneuvers, slow flight and stalls and gain confidence with the radio.
<b>STAGE 2</b> <b>Refining Control and Learning to Land</b>	<ul style="list-style-type: none"> <li>- Learn about airspace, weather minimums, reference publications, collision avoidance, wake turbulence, powerplant operations, aircraft systems, Federal Aviation Regulations and applicable NTSB regulations.</li> <li>- Begin steep turns, cross-wind landings, go-arounds, crosswind takeoffs and landings, explore dealing with potential emergencies, expand skills with slow flight, stalls, ground reference maneuvers, and control by Instrument reference.</li> </ul>



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	<ul style="list-style-type: none"> <li>- Complete Pre-solo Knowledge test</li> <li>- Complete Pre-solo progress check</li> <li>- Complete supervised solo flight</li> </ul>
Flight Lesson 7 — Normal Takeoffs and Landings — Dual	Introduce steep turns. Work on normal landings focusing on making consistent approaches with stabilized airspeed and rate of descent. Practice go-arounds from different positions in the landing approach.
Flight Lesson 8 — Crosswind Takeoffs and Landings — Dual	Wind drift awareness on landing approach and become comfortable using the wing-down sideslip method for control. Expand proficiency with slow flight, stalls, ground reference maneuvers, and landings.
Flight Lesson 9 — Instrument Reference and Landing Proficiency — Dual	Building skill controlling the airplane referring only to the instruments and increase proficiency with stabilized landing approaches and consistent landings within safe, acceptable touchdown parameters.
Flight Lesson 10 — Dealing with Emergencies — Dual	Review and practice correct procedures for equipment, systems, and engine failure or fire. Improve skill with approaches and landings.
Flight Lesson 11 — Pre-Solo Progress Check — Dual	Review of overall risk management, relevant knowledge, key maneuvers, and preparedness for solo flight.
Flight Lesson 12 — First Solo — Dual/Solo	(Note: The instructor's pre-solo test must be completed and reviewed prior to this flight.) Review fundamental maneuvers and make three solo takeoffs and landings.
<b>STAGE 3</b> <b>Expanding Maneuvers and Landings Skills</b>	<ul style="list-style-type: none"> <li>- Learn to calculate weight and balance, predict aircraft performance, and become familiar with weather theory, reports, forecasts, graphical products, and recognition of critical weather hazards.</li> <li>- Build expertise with slow flight, steep turns, stalls, emergencies, ground reference maneuvers, normal landings and forward slips.</li> <li>- Explore short field and soft field takeoff and landing techniques.</li> <li>- Complete progress check.</li> </ul>
Flight Lesson 13 — Review and Solo — Dual/Solo	Review slow flight, stalls, steep turns, emergencies and landings with your instructor. Fly solo to the practice area for a set of steep turns and return to make three more full-stop landings.
Flight Lesson 14 — Short Field Takeoffs and Landings — Dual	Learn the maximum performance techniques for taking off and landing at airports with short runways and/or obstructions. Review slow flight, stalls, and ground reference maneuvers.
Flight Lesson 15 — Building Skill with Maneuvers and Landings — Solo	Per your CFI's instructions, go to practice area, and practice steep turns and ground reference maneuvers, and return to practice normal and crosswind takeoffs and landings.



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Flight Lesson 16 — Soft Field Takeoffs and Landings and Progress Check — Dual	Learn techniques for takeoffs and landings at soft runways. Review slow flight, stalls, S-Turns, Engine Fire and Emergency Approach, and short field takeoffs and landings.
Flight Lesson 17 — Maneuver Practice — Solo	Continue gaining proficiency with steep turns, rectangular course, turns around a point, S-turns, forward slips, and landings.
<b>STAGE 4 Night and Cross Country</b>	<ul style="list-style-type: none"> <li>- Learn the elements of cross-country planning, in-flight pilotage and dead reckoning, the use of navigation systems, and procedures for safe night operations.</li> <li>- Review airport signs and markings, weather planning, airspace, and systems emergencies.</li> <li>- Gain techniques for preflight and in-flight risk management and employing personal minimums.</li> <li>- Exercise pilotage and dead reckoning procedures and the use of electronic systems in cross country navigation. Become familiar with night operations and review emergencies and control by referring to the flight instruments.</li> <li>- Complete Pre-Solo Cross-Country progress check</li> <li>- Complete the FAA Knowledge test</li> <li>- Complete solo cross-country flights (3 Pt. 61)</li> </ul>
Flight Lesson 18 — Pilotage and DR Cross Country — Dual	Cross-country using pilotage and dead reckoning navigation to an airport more than 50 nm straight line distance and return. Divert to an alternate when risk management dictates.
Flight Lesson 19 — Electronic Navigation — Dual	Use VOR and GPS systems for orientation, tracking courses, and an aid for diverting to an alternate. Exercise controlling and navigating using instrument reference, and explore in-flight weather resources.
Flight Lesson 20 — All Systems Cross Country — Dual	Cross-country using all available navigation systems/advanced equipment. Landing at least 1 airport more than 50 nm straight-line distance from departure equipped with CTAF/Tower opposite of home airport.
Flight Lesson 21 — Night Flying — Dual	Become familiar with flying at night noting loss of outside references for flight attitudes, pilotage and obstacles. Practice night landings with and without landing light. Sharpen instrument flying skills.
Flight Lesson 22 — Pre-Solo Cross Country Progress Check — Dual	Review of planning, navigation, and risk management skills on a cross-country to an airport more than 50 nm straight-line distance. Also a review of short and soft field takeoff and landing techniques.
Flight Lesson 23 — First Solo Cross Country — Solo	Take your first solo cross country and land at an airport more than 50 nm straight-line distance from departure. Navigate with DR and pilotage as well as electronic systems. Keep a complete navigation log.
Flight Lesson 24 — Night Cross Country — Dual	Night cross-country over 100 nm total distance landing at an airport more than 50 nm straight-line distance from departure. Use all systems of navigation and review instruments and emergencies.



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Flight Lesson 25 — Second Solo Cross Country — Solo	Solo cross country to an airport more than 50 nm straight-line distance from departure. Navigate with DR, Pilotage and electronic systems. Keep a complete navigation log.
Flight Lesson 26 — Emergencies and Instrument Review — Dual	Review emergency procedures for dealing with in-flight system failures. Strengthen control and navigation skills in simulated instrument conditions and practice using the autopilot during inadvertent IMC.
Flight Lesson 27 — Long Solo Cross Country — Solo	Solo cross-country flight of at least 150 nm total distance with landings at three points. One segment must be greater than 50 nm straight-line distance between takeoff and landing.
<b>STAGE 5</b> <b>Earning your Certificate</b>	<ul style="list-style-type: none"> <li>- Learn about the Airman Certification Standards and the role they will play in your practical test.</li> <li>- Review Federal Aviation Regulations applicable to a Private Pilot in VFR operations.</li> <li>- Review and perform all the appropriate maneuvers of the current Private Pilot Practical Test Standards at or exceeding the designated standards.</li> <li>- Complete Pre-Checkride progress check</li> <li>- Complete the Private Pilot Practical Test</li> </ul>
Flight Lesson 28 — Maneuvers Review — Dual	Refine your skills with the Private Pilot tasks of steep turns, slow flight, stalls, ground reference maneuvers, emergencies, forward slips, and cross-wind, short field, and soft field takeoffs and landings.
Flight Lesson 29 — Maneuvers Practice — Solo	Practice the Private Pilot tasks of steep turns, slow flight, stalls, ground reference maneuvers, emergencies, forward slips, and cross-wind, short field, and soft field takeoffs and landings.
Flight Lesson 30-1 — Pre-Checkride Instructor Review — Dual	Review all Private Pilot tasks with your instructor making sure that all meet/exceed the Airman Certification Standards.
Flight Lesson 30-2 — Pre-Checkride Instructor Review pg 2 — Dual	Review all Private Pilot tasks with your instructor making sure that all meet/exceed the Airman Certification Standards.
Flight Lesson 30-3 — Pre-Checkride Instructor Review pg 3 — Dual	Review all Private Pilot tasks with your instructor making sure that all meet/exceed the Airman Certification Standards.
Flight Lesson 31-1 — Pre-Checkride Progress Check — Dual	Review all Private Pilot tasks with a progress check instructor making sure that all meet/exceed the Airman Certification Standards.
Flight Lesson 31-2 — Pre-Checkride Progress Check pg 2 — Dual	Review all Private Pilot tasks with a progress check instructor making sure that all meet/exceed the Airman Certification Standards.



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Flight Lesson 31-3 —  
Pre-Checkride Progress  
Check pg 3 — Dual

Review all Private Pilot tasks with a progress check instructor making sure that all meet/exceed the Airman Certification Standards.