



## **Flight Training Curriculum**

### **Private Pilot, Airplane Single Engine Land**

Following is a general outline of the elements included in flight training for the Private Pilot Certificate through AvSport of Lock Haven. The student pilot will also study for the FAA Knowledge Examination with the assistance of his or her instructor. AvSport will recommend an online, CD, or DVD course for students to use in preparation for the Knowledge Examination.

- 1.0 AIRCRAFT FAMILIARIZATION
  - 1.01 Introductory Flight
  - 1.02 Preflight Inspection and Aircraft Servicing
  - 1.03 Obtaining Weather information & Using Good Weather Judgment
  - 1.04 Cockpit Familiarity and Required Paperwork
  - 1.05 Proper Use of Checklists
  - 1.06 Engine Start Procedures (Hot & Cold)
  - 1.07 Taxi and Crosswind Taxi
  - 1.08 Pre-Take-off Checks including Engine Run-Up
  - 1.09 Normal Takeoff and Pattern Departure
  - 1.10 Climbs, Descents, Turns, and Straight & Level Flight
  - 1.11 Cruise Speed & Approach Configurations
  - 1.12 Use of Elevator Trim
  - 1.13 45° Banked Steep Turns, including spiral recovery
  - 1.14 Slow Flight with and without Flaps
  
- 2.0 PRE - SOLO INSTRUCTION
  - 2.01 Stalls – in straight and turning flight, in both clean and approach configurations
  - 2.02 Spin recognition, avoidance, entry, and recovery
  - 2.03 Simulated Emergency Landings
  - 2.04 Ground Reference Maneuvers
    - a) rectangular patterns
    - b) S-turns
    - c) turns about a point
  - 2.05 Pattern Entry & Proper Landing Pattern Procedures
  - 2.06 Stabilized approach technique
  - 2.07 Flare & Touch-Down Techniques
  - 2.08 Recovery from Bad Approach/Landing and Go-Around Procedures
  - 2.09 Training SOPs, FAR 91, Local Airport Rules & Practices
  - 2.10 Comm Radio usage and communication phraseology
  - 2.11 Transponder usage
  - 2.12 VOR Navigation
  - 2.13 Practice Area Familiarization
  - 2.14 Pre-solo quizzes on Federal Aviation Regulations and training aircraft specifics

- 3.0 SOLO FLIGHT
  - 3.01 Pre-solo standardization check
  - 3.02 Supervised Solo Flights
  - 3.03 SOLO PRACTICE (With Weather and Wind Restrictions)
  
- 4.0 POST - SOLO INSTRUCTION
  - 4.01 Flight By Instrument Reference (Climbs, Descents, Turns, Straight & Level)
  - 4.02 Crosswind Take-off and Landing Techniques & Practice
  - 4.03 Short Field & Soft-Field Take-off and landing Techniques & Practice
  - 4.04 Slips to landings (No Flaps)
  - 4.05 Accelerated Stall Demonstration
  - 4.06 Emergency Procedures
  
- 5.0 CROSS-COUNTRY FLIGHT
  - 5.01 Review of AIM & FAR
  - 5.02 Pilotage, VOR NAV, & Dead-Reckoning Techniques
  - 5.03 Flight by instrument reference
  - 5.04 VFR into IMC – the 180° turn
  - 5.05 Dual Cross-Country Practice
  - 5.06 Solo Cross-Country Flight Preparation
  - 5.07 SOLO CROSS -COUNTRY FLIGHTS
  
- 6.0 NIGHT FLIGHT INSTRUCTION
  - 6.01 Night Takeoff & Landing Techniques
  - 6.02 Night Airwork (including Additional Instrument Reference)
  - 6.03 Airport Lighting
  - 6.04 Controlled Field (Towered Airport) Practice
  - 6.05 Dual Night Cross-Country Flights
  
- 7.0 FAA CHECK RIDE
  - 7.01 Dual preparation for FAA Check ride
  - 7.02 Preparation for Practical Test flight and oral examinations
  - 7.03 Review of Practical Test Standards
  - 7.04 Recommendation Flight
  - 7.05 PRIVATE PILOT FAA CHECK RIDE