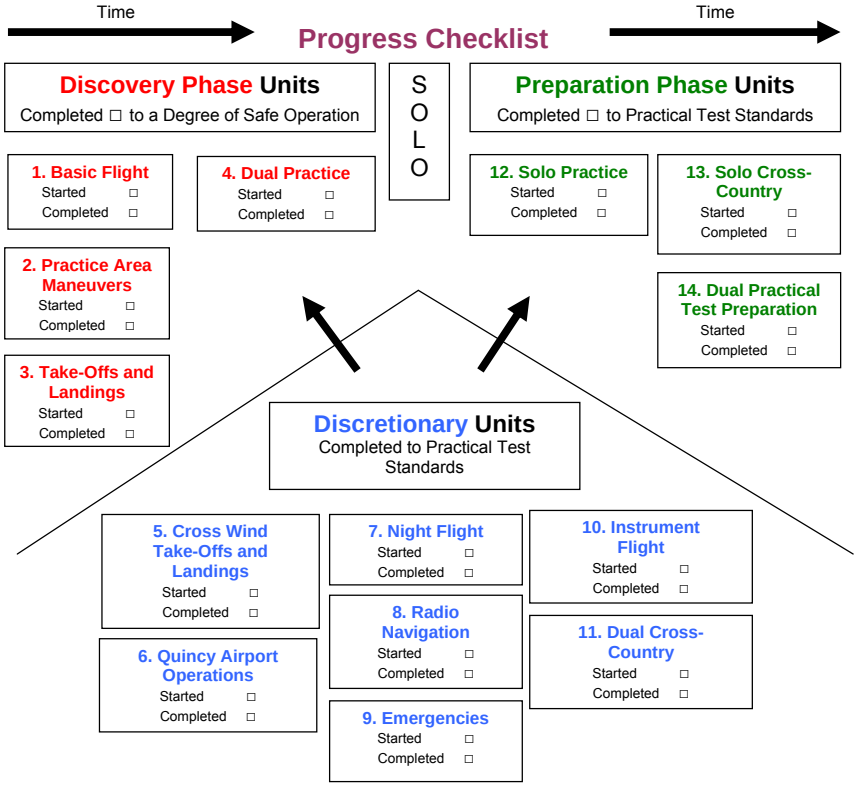
Progress Checklist Diagram



Although the above depicted **Progress Checklist** can be interpreted to imply that solo is expected half way through the training program, many times and for many reasons, your flight instructor may not schedule your first solo flight until late in your training.

Outline of Unit Content and Completion

1. Basic Flight

a. Flight Maneuvers
- 1) Checklists and their use ☐ Needs Work ☐ Completed
- 2) Taxiing ☐ Needs Work ☐ Completed
- 3) Run-up's ☐ Needs Work ☐ Completed
- 4) Straight and Level Flight ☐ Needs Work ☐ Completed
- 5) Coordinated Cruising Turns ☐ Needs Work ☐ Completed
- 6) Dutch Rolls for Coordination (Optional) ☐ Needs Work ☐ Completed
- 7) Climbs and Descents With Turns ☐ Needs Work ☐ Completed
- 8) Climbing and Descending Turns With Flaps ☐ Needs Work ☐ Completed
- 9) Airspeed Control on Landings ☐ Needs Work ☐ Completed

b. Ground Discussion
- 1) Air Traffic Control Communications ☐ Completed
- 2) Preflight Walk Around Preparation ☐ Completed
- 3) Aerodynamics of Lift ☐ Completed
- 4) Aerodynamics of Turns ☐ Completed
- 5) Rudder Use ☐ Completed
- 6) Aircraft Systems ☐ Completed
- 7) Equipment Malfunction Including Radio Failure ☐ Completed
- 8) Aircraft Powerplants ☐ Completed
- 9) Airport Operations ☐ Completed

Practice Area Maneuvers

c. High-Flight Maneuvers Performance Maneuvers (Above 3,500 ft AGL)
- 1) Slow Flight With and Without Flaps ☐ Needs Work ☐ Completed
- 2) Steep Turns ☐ Needs Work ☐ Completed
- 3) Power-Off Stalls-Approach Stalls-Recovery at First Indication ☐ at Full Stall ☐ and With Banks ☐ ☐ Needs Work ☐ Completed
- 4) Power-On Stalls-Departure Stalls-Recovery at First Indication ☐ at Full Stall ☐ and With Banks ☐ ☐ Needs Work ☐ Completed
- 5) Emergencies ☐ Needs Work ☐ Completed

d. Low-Flight Maneuvers Ground Reference Maneuvers (At 1000 ft AGL)
- 1) Rectangular Patterns ☐ Needs Work ☐ Completed
- 2) Turns Around a Point ☐ Needs Work ☐ Completed
- 3) "S" Turns over a road or power line ☐ Needs Work ☐ Completed

e. Ground Discussion
- 1) Pre-flight Weather Planning and NOTAMS, TFRs ☐ Completed
- 2) Wind and Its effects (Crab Angle) ☐ Completed
- 3) Aerodynamics of Stalls ☐ Completed
- 4) VFR Flight and Flight Following ☐ Completed

5) Collision Avoidance, Wind Shear Avoidance and Wake Turbulence ☐ Completed

2. Takeoffs and Landings

a. Takeoffs
- 1) Normal Takeoffs ☐ Needs Work ☐ Completed
- 2) Specialty Takeoffs
  - A) Short Field Takeoffs ☐ Needs Work ☐ Completed
  - B) Soft Field Takeoffs ☐ Needs Work ☐ Completed

b. Landings
- 1) Normal Landings ☐ Needs Work ☐ Completed
- 2) Specialty Landings
  - A) Short Field Landings ☐ Needs Work ☐ Completed
  - B) Soft Field Landings ☐ Needs Work ☐ Completed

c. Lining up with the runway ☐ Needs Work ☐ Completed

d. Slips to a Landing and Slips to lose altitude ☐ Needs Work ☐ Completed

e. Introduction to Cross-Wind Takeoffs and Landings ☐ Needs Work ☐ Completed

f. Drag the Runway ☐ Needs Work ☐ Completed

g. Go Arounds ☐ Needs Work ☐ Completed

h. Ground Discussions
- 1) Traffic Patterns With Entries and Departures ☐ Completed
- 2) Approaches ☐ Completed
- 3) Flares ☐ Completed
- 4) Burn-Offs (see Landing Diagram page 21) ☐ Completed
- 5) Touch Downs ☐ Completed
- 6) Takeoff and Landing Performance Charts ☐ Completed
- 7) Effects of Wind; Use of crosswind component charts ☐ Completed

3. Dual Practice

a. Flight Maneuvers
- 1) Best Rate Vy and Best Angle Vx Climbs ☐ Needs Work ☐ Completed
- 2) Review of Introduced Maneuvers ☐ Needs Work ☐ Completed

b. Ground Discussions
- 1) Estimating Visibility in Flight ☐ Completed
- 2) Lost Procedures ☐ Completed
- 3) Loss of Radio Communications ☐ Completed
- 4) Emergencies ☐ Completed
- 5) Pilot-in-Command Attitude ☐ Completed

4. Cross-Wind Takeoffs and Landings

a. Cross-Wind Takeoffs
- 1) Ground Roll ☐ Needs Work ☐ Completed
- 2) Climb Out Crab ☐ Needs Work ☐ Completed

b. Cross-Wind Landings
- 1) Wing Low Final Approach ☐ Needs Work ☐ Completed
- 2) Wing Low Touch Down ☐ Needs Work ☐ Completed
- 3) Go Arounds ☐ Needs Work ☐ Completed
- 4) Ground Roll ☐ Needs Work ☐ Completed

c. Ground Discussions
- 1) Wind Speed and Intensity ☐ Completed
- 2) Wind Changes in Pattern ☐ Completed
- 3) Wing Low Touch Down vs. Rudder Kick Methods ☐ Completed
- 4) Discussions of higher speed aircraft ☐ Completed

5. Satellite Training Airport Operations

a. Flight Maneuvers
- 1) Pattern Entries Right and Left ☐ Needs Work ☐ Completed
- 2) Radio Communications ☐ Needs Work ☐ Completed
- 3) Short and Soft Field Operations ☐ Needs Work ☐ Completed

b. Ground Discussions
- 1) Airspaces ☐ Completed
- 2) Standard and Non Standard Patterns ☐ Completed
- 3) Fly Over Inspections ☐ Completed
- 4) Taxi-back Operations ☐ Completed
- 5) Low Level Wind Changes ☐ Completed

6. Night Flight

a. Flight Maneuvers
- 1) Radio Navigation Cross-Country ☐ Needs Work ☐ Completed
- 2) Full Stop Landings ☐ Needs Work ☐ Completed
- 3) Landing Light out Operation ☐ Needs Work ☐ Completed

b. Ground Discussions
- 1) Optical Illusions ☐ Completed
- 2) Walk-around Inspections at night ☐ Completed
- 3) Cockpit Lighting ☐ Completed
- 4) Aircraft Lighting and Electrical Systems ☐ Completed

7. Radio Navigation

a. Flight Maneuvers
- 1) Use of VOR Radios ☐ Needs Work ☐ Completed
- 2) Use of GPS “Direct To” Function ☐ Needs Work ☐ Completed
- 3) ASR Approach ☐ Needs Work ☐ Completed

b. Ground Discussions
- 1) ATC Help Available ☐ Completed
- 2) VOR Theory ☐ Completed
- 3) GPS Theory ☐ Completed

8. Emergencies

a. Flight Maneuvers

1) Before climb out ☐ Needs Work ☐ Completed
2) On Climb out ☐ Needs Work ☐ Completed
3) En-route ☐ Needs Work ☐ Completed

b. Ground Discussions
1) Aircraft systems ☐ Completed
2) Checklist use ☐ Completed
3) Emergencies from power application to cruise ☐ Completed
4) Off airport precautionary landings ☐ Completed

9. Instrument Flight

a. Flight Maneuvers
1) Basic Hooded Turns ☐ Needs Work ☐ Completed
2) Basic Hooded Climbs and Descents ☐ Needs Work ☐ Completed
3) Hooded 180° Weather Turns ☐ Needs Work ☐ Completed
4) Hooded Unusual Attitudes ☐ Needs Work ☐ Completed
5) IFR Flight Opportunity ☐ Needs Work ☐ Completed

b. Ground Discussions
1) Instrument Flight Rules ☐ Completed
2) IFR Clearances ☐ Completed
3) Instrument Scans ☐ Completed
4) Dead Man's Spiral (Steep descending spiral) ☐ Completed

10. Dual Cross-Country

a. Flight Maneuvers
1) Into Towered Airports ☐ Needs Work ☐ Completed
2) Into Non-Towered Airports ☐ Needs Work ☐ Completed
3) File VFR Flight Plan ☐ Needs Work ☐ Completed
4) VOR Deviation to Alternate Airport ☐ Needs Work ☐ Completed

b. Ground Discussions
1) Use of Compass ☐ Completed
2) Use of Charts and A/F Directory ☐ Completed
3) Pilotage, Dead Reckoning and Flight Planning ☐ Completed
4) Lost Procedures ☐ Completed
5) METARS and Forecasts ☐ Completed
6) Weather Briefings and NOTAM Briefings ☐ Completed
7) Critical Weather Situations ☐ Completed
8) Hazardous Terrain Features ☐ Completed
9) Web Weather, AOPA and other Web Sites ☐ Completed
10) Loss of Radio Communications ☐ Completed

11. Solo Practice

a. Flight Maneuvers
1) Review Introduced Maneuvers ☐ Needs Work ☐ Completed

b. Ground Discussions
1) Discuss Solo Limitations ☐ Completed

2) 1,000 ft AGL Minimum-Ground Reference Maneuvers ☐ Completed
3) 3,500 ft AGL Minimum Performance Maneuvers ☐ Completed
4) Lost Procedures ☐ Completed
5) Loss of Radio Communications ☐ Completed

12. Solo Cross-Country

a. Flight Maneuvers
1) Flight Preparation ☐ Needs Work ☐ Completed

b. Ground Discussions
1) Emergencies ☐ Completed
2) Loss of communications ☐ Completed
3) 121.9 MHz - 7700 and 7600 Transponder Codes ☐ Completed

13. Dual Practical Test Preparation

a. Flight Maneuvers
1) Review All PTS Maneuvers ☐ Needs Work ☐ Completed
2) Practice Practical Test ☐ Needs Work ☐ Completed

b. Ground Discussions
1) Review in detail the PTS ☐ Completed
2) Review of Aircraft Maintenance Records ☐ Completed
3) Practical Test Realities ☐ Completed