

Student Pilot Training

Basic Flight Training Phase I

Task #1 Ground support equipment, engine starting, & taxi training

Goals:

- Perform aircraft preparation and inspection.
- Perform engine start and radio checks.
- Perform engine tune-up.

Task #2 Basic flight skills development

Goals:

- Become familiar with speed, yaw, pitch, and roll commands.
- Execute straight and level flight.
- Execute left and right turns. Fly pattern and figure eights.
- Become familiar with flight trim techniques.
- Learn to notify other pilots of intentions: “coming out”, “landing”, “crossing the runway”.
- Initiate stall or unusual attitude recovery.

Task #3 Takeoff

Goals:

- Execute proper upwind takeoff runway alignment.
- Initiate takeoff throttle setting.
- Maintain runway centerline ground steering during takeoff acceleration.
- Execute takeoff rotation at proper speed.
- Execute proper climb speed, pitch, and bank angle.
- Perform a takeoff abort if required.

Task #4 Landing pattern and go-around

Goals:

- Execute upwind landing patterns.
- Execute crosswind landing patterns.
- Execute downwind landing patterns.
- Perform go-arounds at a 2 – meter height on final approach.

Task #5 Touch-and-go landing

Goals:

- Perform traffic pattern(s), final approach, and touchdown, followed by power application and pattern reentry.
- Perform normal and crosswind traffic patterns with touch-and-go maneuvers.

Task #6 Full stop landing and supervised solo

Goals:

- Execute full stop landing followed by taxi back and takeoff.
- Execute simulated engine failure landings.
- Perform a supervised solo flight.
- Be prepared for simulated engine failure calls from instructor regardless of position in pattern. Upon receiving call, immediately pull throttle to idle and safely land aircraft on runway.

Task #7 Supervised Solo Proficiency/Mid-phase Evaluation Review

Goals:

- Practice Task 1 – 6 maneuvers.
- Place additional emphasis on instructor-recommended areas of needed improvement.

Task #8 Mid-phase Evaluation Task

Goals:

- Perform the sequence of maneuvers required during the mid-phase evaluation.
- Review mid-phase I flight evaluation results and discuss strengths and weaknesses with instructors.

Task #9 Airspeed Control Maneuvers

Goals:

- Perform full, medium, and slow speed rectangular patterns (left and right) as well as figure eights from level flight.
- Execute a constant speed climbing rectangular pattern as well as figure eights.
- Execute a constant glide rectangular pattern as well as figure eights.
- Perform all maneuvers over designated ground locations.

Task #10 Final Flight Evaluation Demonstration, practice, evaluation, and critique

Goals:

- Practice all maneuvers accomplished during tasks 1-9 of Basic Flight Training Phase I.
- Perform the Phase I Final Evaluation Flight.
- Review flight test results and critique with instructor(s).