



Sanford-Lee County Airport
702 Rod Sullivan Road
Sanford, North Carolina 27330
(919) 776-2003
www.wingsofcarolina.org

Private Pilot Certificate Training

Private Pilot Flight Lessons

Preflight procedures and inspection
Engine starting, taxiing, and pre-takeoff check
Normal and crosswind takeoff and climb
Basic air work: climbs, descents, and turns
Ground reference maneuvers:
Rectangular courses, Steep turns, and turns around a point
Performance maneuver: steep turns
Slow flight
Power-off stalls (approach stalls)
Power-on stalls (departure stalls)
Spin-entry recovery procedure
Emergency procedures/ emergency landing
Traffic pattern procedures and radio
Normal and crosswind approach and landing
Forward slip to a landing
Go around
Soft-field takeoff and climb
Soft...field approach and landing
Short-field takeoff and climb
Short-field approach and landing
Cross-country flight planning & navigation
Instrument reference maneuvers
Night flight and landing
Night cross-country flight
Check ride preparation

Private Pilot Ground School

Aerodynamic principles
Airplane systems: flight instruments, the powerplant, and related systems
Flight operations: airports, charts, Airspace, radar, ATC services, and radio
Aviation weather theory
Aircraft performance
Aircraft limitations
Weight and balance
Navigation
Aero-medical factors for pilots
Flight planning
FAA facilities: visit to ATC facility & FSS

Individual Pre-Flight Lessons

Instruments & powerplant operation
Aircraft inspection
Weather acquisition & judgment
Regulations as applicable
Airport operations
Aircraft performance
Aircraft limitations
Weight & balance specific to training aircraft
Airspace (local)
Navigation techniques
Flight planning
Flight safety considerations
Emergency equipment and survival gear Maintenance logs and requirements