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## PRIVATE PILOT CURRICULUM

Following is a general outline of the elements included in flight training for the Private Pilot Certificate with the Wings of Carolina. The student pilot will also study for the FAA Knowledge Examination with the assistance of his or her instructor. The WCFC offers a thorough classroom course in preparation for the Knowledge Examination. This ground school is a highly-recommended option available to flight students.

### PRE -SOLO

Preflight Inspection and Aircraft Servicing  
Obtaining Weather information & Using Good Weather Judgment  
Cockpit Familiarity and Required Paperwork  
Proper Use of Checklists  
Engine Start Procedures (Hot & Cold)  
Taxi and Crosswind Taxi  
Pre-Take-off Checks including Engine Run-Up  
Normal Takeoff and Pattern Departure  
Climbs, Descents, Turns, and Straight & Level Flight  
Cruise Speed & Approach Configurations  
Use of Elevator Trim  
45° Banked Steep Turns, including spiral recovery  
Slow Flight with and without Flaps  
Stalls – In straight and turning flight, in both clean and approach configurations, including spin-entry recovery  
Simulated Emergency Landings  
Ground Reference Maneuvers, including rectangular patterns, S-turns, and turns about a point  
Pattern Entry & Proper Landing Pattern Procedures  
Stabilized approach technique  
Flare & Touch-Down Techniques  
Recovery from Bad Approach/Landing and Go-Around Procedures  
Club SOPs, FAR 91, Local Airport Rules & Practices  
Comm Radio usage and communication phraseology  
Transponder usage  
VOR Navigation  
Practice Area Familiarization  
Pre-solo quizzes on Federal Aviation Regulations and training aircraft specifics

### PRE-SOLO STANDARDIZATION CHECK

### SOLO PRACTICE (With Weather and Wind Restrictions)

### POST SOLO

Flight By Instrument Reference (Climbs, Descents, Turns, Straight & Level)  
Crosswind Take-off and Landing Techniques & Practice  
Short Field & Soft-Field Take-off and landing Techniques & Practice  
Slips to landings (No Flaps)  
Accelerated Stall Demonstration  
Night Takeoff & Landing Techniques  
Night Airwork (including Additional Instrument Reference)  
Controlled Field (Towered Airport) Practice  
Dual Cross-Country Practice (Review of AIM & FAR, Pilotage, VOR NAV, & Dead-Reckoning Techniques w/

review of flight by instrument reference)

SOLO CROSS -COUNTRY FLIGHTS

DUAL PREPARATION FOR FAA CHECK-RIDE

Including preparation for Practical Test flight and oral examinations

FAA CHECK RIDE