



Objective: Outline for CFI Certification Processes

- Eligibility**
 - Commercial Pilot Certificate
 - Instrument rating
 - Fundamentals of instructing test
 - CFI Knowledge test
- Flight Proficiency**
 - Fundamentals of instructing
 - Human Behavior and Effective Communication
 - The Learning Process
 - The Teaching Process
 - Assessment and Critique
 - Responsibilities and Professionalism
 - Techniques of Flight Instruction
 - Risk Management
 - Technical subject area
 - Aeromedical Factors
 - Runway Incursion Avoidance
 - Visual Scanning and Collision Avoidance
 - Principles of Flight
 - Airplane Flight Controls
 - Airplane Weight and Balance
 - Navigation and Flight Planning
 - Night Operations
 - High Altitude Operations
 - FAR/AIM, AC's, Handbooks, Primary References**
 - National Airspace System
 - Navigation Systems and Radar Services
 - Logbook Entries and Certificate Endorsements
 - Preflight preparation
 - Preflight lesson on a maneuver to be performed in flight
 - Preflight procedures
 - Airport operations
 - Take-off landings Go-arounds
 - Normal & Crosswind Takeoff, Climb, Approach & Landing
 - Short-Field Takeoff, Max Perf Climb, Approach, & Landing
 - Soft-Field Takeoff, Climb, Approach & Landing
 - Slip to a Landing
 - Go-Around/Rejected Landing
 - Power-Off 180° Accuracy Approach & Landing
 - Fundamentals of flight
 - Performance maneuvers
 - Steep Turns
 - Steep Spirals, Chandelles, Lazy Eights
 - Ground ref maneuvers
 - Rectangular Course, S-Turns, Turns Around a Point
 - Eights on Pylons
 - Slow flight, Stalls and Spins
 - Slow Flight, Power-On & Power-Off Stalls, Accelerated Stall
 - Cross-controlled Stalls, Elevator Trim Stalls, Secondary Stalls
 - Spins
 - Basic instrument maneuvers
 - Straight-and-Level Flight, Turns to Headings
 - Constant Airspeed Climbs & Descents
 - Recovery from Unusual Flight Attitudes
 - Emergency operations
 - Emergency Approach and Landing
 - Systems and Equipment Malfunctions
 - Emergency Descent
 - Postflight procedure
- Aeronautical Knowledge**
 - Fundamentals of instructing
 - The learning process
 - Elements of effective teaching
 - Student evaluation and testing
 - Course development
 - Lesson planning
 - Classroom training techniques
 - Aeronautical knowledge areas for:
 - Recreational, Sport & Private Pilot Certification
 - Commercial Pilot Certification
- Coursework**
- Aircraft Check-out & Familiarization
 - Airworthiness & inspections
 - Aircraft systems, performance, limitations
 - Aircraft test
- Demonstrate ACS standards:
 - Private Pilot maneuvers & procedures
 - Commercial Pilot maneuvers & procedures
 - Take-off & Landings
 - Cross-county procedures
 - Basic Instrument Maneuvers
 - Emergencies
 - Night Flight
 - Special emphasis areas
- Develop the CFI notebook using PTS/ACS
- Develop lesson plans, teaching strategies, **instructional knowledge** & techniques for each maneuver or procedure, including the recognition, analysis & correction of common student errors
 - Private Pilot maneuvers
 - Commercial Pilot maneuvers
- Transition to the right seat
 - Perspective (parallax) & procedural changes
 - ACS proficiency from the right seat
 - Teaching from the right seat
 - Demonstrate & explain
 - Instructional knowledge & common errors
 - Error recognition & correction
 - Preflight procedures
 - Airport operations
 - Take-off, Landings, Go-arounds
 - Fundamentals of flight
 - Performance maneuvers
 - Ground ref maneuvers
 - Slow flight, Stalls and Spins
 - Basic instrument maneuvers
 - Emergency operations
- ADM
 - Risk management, Situational awareness, SRM
 - Managing liability, costs, time, safety
- Spin Endorsement
 - Spin entry
 - Spins
 - Spin recovery procedures
- Review & Test Prep
 - Test Prep test

