Purpose

The purpose of this Extended Flight Introduction is to introduce prospective students to high level flight topics that are the basis for future flights and the private pilot syllabus. This syllabus is based heavily on the AOPA Companion Copilot Syllabus and the AOPA Private Pilot Syllabus.

From the AOPA Companion Copilot Syllabus:
This syllabus is designed to help non-pilot flying companions learn about how an airplane flies and how to manipulate the airplane's flight controls. It includes an introduction to the principles of flight, a basic overview of instruments and radio communications, and how to deal with an emergency.

From the AOPA Private Pilot Syllabus (selected lessons):
Lesson 1
Familiarize student with the privileges, obligations and responsibilities of a private pilot. Introduce student to the airplane and preflight and postflight procedures, use of checklists and safety precautions. Familiarize student with the effect and use of flight controls, practice area and local airport.

Lesson 2
The student will develop skills and gain proficiency in performing the four basic flight maneuvers straight-and-level, turns, climbs and descents). Introduce student to radio communication procedures and ground reference maneuvers.

Lesson 17
The student is introduced to the training aircraft's navigation system and VFR navigation procedures to determine position and track a specified course.

These lessons highlight elements of:
Safety
Planning
Checklists
Aviate
Navigate
Communicate

The Extended Flight Introduction includes approximately 1.5 hours of ground and 3 hours of flight with a mid-flight break.

Prior, the student should purchase a flight logbook (Gleim recommended) and watch the AOPA Air Safety Institute Companion Copilot Series (available on YouTube). The student should fill out and apply for a student pilot certificate on IACRA.

Ground Overview (~1.0 hours)

Aircraft exterior overview
Cockpit layout
Door, seat, and seatbelt/harness operation
Safety equipment
Yoke, rudder pedals, and brake system
Basic instruments
Checklists
Preflight
Weather planning
NOTAMs, TFRs, etc.
Weight and Balance planning

Flight Basics (~1.5 hours)

Start
Taxiing
Runup
Takeoff and Climb
Traffic Avoidance
Attitude Flying
Instrument Scans
Straight and Level
Shallow and Medium Turn
Climbs and Descents
Speed and Power Changes

Navigation (~0.75 hours)

Sectional Charts
GPS and Digital Maps
Airport Diagrams
Airport Markings
VOR Orientation
Dead Reckoning
Cruise planning, performance, winds

Flight Communications (~0.75 hours)

ATIS / AWOS Airport_____

Information_____	Time_____	Wind_____@_____	Visibility_____
Clouds_____	Temp_____Dew_____	Altimeter_____	Runway_____
Notes		Runway Diagram	

Elements of Communication

- Who you are talking to — *Easton Tower*
- Who you are — *Cherokee 15800*
- Where you are — *10 miles southwest*
- What you want — *Inbound for landing with information BRAVO*

“Easton Tower, Cherokee 15800 10 miles SW, Inbound for landing with information BRAVO”

Ground Operations / Communications
Non-Towered Communications
Towered Communications
Enroute Communications
Emergency Communications

Postflight (~0.5 hours)

Checklists
Shutdown
Securing aircraft
Debrief
Logbooks