

Private Pilot Ground School

2026 Syllabus

Welcome to the Private Pilot Ground School!

In this class, you will learn everything you need to know to not only pass the written FAA Private Pilot exam, but also how to be a safe and capable pilot. Systems and operations will be discussed, along with a lot of other material including Aerodynamics, Airplane Control and Systems, the National Airspace, Weather, and several other topics.

Your instructor:

Brent Delehoy

CFII

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All lessons start at 6:00PM MT and end at 9:00PM MT (or earlier, if appropriate) and are on Tuesday every week. Current schedule begins on October 27th, 2026, and ends on January 12th, 2027, with the final test. The cost for the course is \$850.00, paid at the commencement of the class. We are doing the class virtually via Google Meets.

This syllabus lays out the material that will be covered during each session along with the applicable part(s) of the training materials for each session. Please arrive prepared each day with the required materials. It is expected that each student will spend additional time outside of class doing additional research, reading, and other activities to support the lessons of this class. Each lesson builds on information/concepts discussed in previous lessons.

Class Schedule and Lesson Syllabus

Lesson 1

Aerodynamics

Homework: Chapter 4-7 ASA Ground School

Lesson 2

Aircraft Systems

Homework: Chapters 20, 21, 22 ASA Ground School

Lesson 3

FAR/AIM NTSB Part 830

Homework: Chapter 12 ASA

Lesson 4

Flight Environment & Airspace

Homework: Chapter 13-15 ASA Ground School

Lesson 5

Weather Theory

Homework: Chapters 16-18 ASA Ground School

Lesson 6

Weather Products

Homework: Chapter 8-11 ASA Ground School

Lesson 7

Aircraft Performance

Homework: Chapters 23, 26, 27 ASA Ground School

Lesson 8

Navigation

Homework: Chapters 20, 24, 25 ASA

Lesson 9

Cross Country planning (Sectional, plotter E6B required)

Homework: Chapters 19 ASA Ground School

Lesson 10

Human Factors, Aeronautical Decision Knowledge

Homework: Chapters 12 ASA Ground School

Lesson 11 REVIEW

Lesson 12 Final Test

Provided Materials

- ASA ground school PM 2
- ASA flight school PM 1
- ASA 2022 FAR-AIM
- ASA Private Pilot Test Prep (includes supplemental)
- E6-B Flight Computer
- Navigational Plotter
- Denver Sectional
- Visualized Flight Maneuvers Book
- ASA Private Pilot Syllabus

Final Exam - Testing Procedures

It is our goal to make sure every student can be as successful as possible when it comes to taking the written exam. To help students prepare for the conditions that they may face when taking the test in the real-world, we administer the Final Test in as close of a sterile/real-world setting as is practical.

The following procedures will be put into place on the day of the final:

- Students will be required to place their personal items that are not directly related to the test in a different section of the classroom or testing area (i.e. cell phones, laptops)
- Students will be required to be seated in such a way where no more than one person is at a single desk

During the test, you may not have:

- Cell phones or other “smart” devices (this includes, but is not limited to smart watches, tablets, eReaders, devices connected to the internet, etc.)
- Graphing calculators of any sort (or any other device that retains complex information between power cycles)
- The course instructor or designated/authorized test proctor reserves the right to determine what devices are or are not allowed to be used during the test

During the test, you may have:

- Plotter/straight edge
- Flight computer (E6B analog computer or equivalent stand-alone digital computer such as a CX-3)
- Writing instruments (pen, pencil, ink feather, etc.)
- Testing Supplement for the course (no markings permitted in the supplement)
- Blank scratch paper

After completing the test:

- Present the completed test, scratch paper, and testing supplement to the designated flight school team member for grading
- Please wait for your test to be graded (procedures will differ depending upon the course; your instructor or designated flight school team member will tell the class how grading will happen)
- If you scored 85% or better:
 - You have passed the Final Exam
 - You may see the course instructor or designated flight school team member to obtain your written test endorsement
 - You will be provided with a list of PLT codes that can be used to further study material related to questions you may have missed
- If you did not score 85% or better:
 - You will be provided with a list of PLT codes that can be used to further study material related to questions you missed
 - Provide the list of PLT codes to your flight instructor and they will help develop a plan to further develop/study skills in the areas that were missed
 - Once your flight instructor determines you are proficient in the areas that were missed, they will provide you with an endorsement so that you may take the written test