



## Our Step-by-Step Guide to Becoming a Pilot

To earn a Private Pilot Certificate, you'll need to undergo ground school training to gain the necessary knowledge and understanding of aviation theory and regulations. While we don't have access to specific Gleim materials, we can provide you with a general overview of the topics typically covered in ground school for a Private Pilot Certificate.

- 01 Introduction to Aviation:** Covers the history of aviation, aerodynamics, and the principles of flight.
- 02 Aircraft Systems:** Focuses on the various systems and components of an aircraft, including the engine, electrical system, fuel system, and instruments.
- 03 Flight Instruments:** Teaches you about the different flight instruments used in the cockpit, their functions, and how to interpret them.
- 04 Aviation Weather:** Covers weather theory, interpretation of weather reports and forecasts, and the effects of weather on flight operations.
- 05 Navigation and Flight Planning:** Includes topics such as aeronautical charts, pilotage, dead reckoning, radio navigation aids, and flight planning techniques.
- 06 Federal Aviation Regulations (FARs):** Provides an overview of the regulations and rules set forth by the Federal Aviation Administration (FAA) that pilots must comply with.
- 07 Aerodynamics and Flight Controls:** Explores the principles of aerodynamics and the operation of flight controls, including the effect of weight and balance on aircraft performance.
- 08 Radio Communications:** Covers proper radio phraseology, communication procedures, and radio usage in different airspace environments.
- 09 Human Factors:** Discusses human performance and limitations, crew resource management, decision-making processes, and risk management.
- 10 Emergency Procedures:** Provides information on responding to various emergency situations, such as engine failures, fires, and other critical scenarios.
- 11 Aeromedical Factors:** Explains the medical requirements for pilots, the effects of altitude and hypoxia, and the basics of physiological factors in aviation.

These topics, among others, are typically covered in ground school to ensure you have the necessary knowledge to safely operate an aircraft. We partner with National providers to ensure the most updated FAA materials



EAST AVIATION