

# AVIATION (AVIA)

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## **AVIA 111, PRIVATE PILOT GROUND SCHOOL 4 (4)**

The Private Pilot Ground School is an introduction to the aviation field, and is designed to prepare students for the FAA Private Pilot written examination, which is required for a Private Pilot License.

Topics include: airplane systems, aerodynamic principles, flight safety, aeronautical charts, airspace, radio procedures, aviation weather, airplane performance, navigation, aviation physiology, and flight planning. Upon successful completion of the course, students will receive endorsements that will allow them to take the FAA exam. A separate fee will be charged by the FAA for the written exam.

**General Education:** IN1

**Typically Offered:** Summer, Fall and Spring Semesters

## **AVIA 121, INSTRUMENT GROUND SCHOOL 3 (3)**

The Instrument Ground School is designed to prepare students for the FAA Instrument pilot written examination, which is required for a Private Pilot Instrument Rating. Topics include: flight instrument systems, instrument navigation, the air traffic control system, instrument charts and procedures, instrument approaches, aviation weather, and instrument flight rules (IFR) flight operations. Upon successful completion of the course, the student will receive an endorsement to take the FAA knowledge exam. An additional fee is required by the FAA for the exam.

**General Education:** IN1

**Course Entry Requirement(s):** Prerequisite: AVIA 111 or Instructor approval

## **AVIA 211, COMMERCIAL PILOT GROUND SCHOOL 3 (3)**

The Instrument Ground School is designed to prepare students for the FAA Commercial Pilot written examination, which is required for a Commercial Pilot Rating. Topics include: high performance power plants, ice control systems, retractable landing gear, advanced aerodynamics, predicting performance, weight and balance, emergency procedures, as well as commercial maneuvers. Upon successful completion of the course, the student will receive an endorsement to take the FAA knowledge exam. An additional fee is required by the FAA for the exam.

**General Education:** IN1

**Course Entry Requirement(s):** Prerequisite: AVIA 111