

Patoka Valley CTE Cooperative

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Director- Jarred Howard

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Aviation 1

Course Title: Principles of Aviation (7214), Private Pilot Theory (7217), Aviation Safety and Operations (7207)

Location: Huntingburg Airport

Class time: 1:00-3:00

Credits Per Semester: 3

Description: This course provides the student the opportunity to develop an understanding of various aspects of the aviation industry to include general regulations and laws associated with the field. Included is an overview of the aviation field and all employment opportunities. The student will receive ground school knowledge required for certification as a private pilot with an airplane single engine land rating. Areas of study include aerodynamics, aircraft systems, performance, weight and balance, physiology, regulations, cross country planning, weather, and decision-making skills. This course is an overview of general aviation operations, including the operation and management of the Fixed Base Operation (FBO). It introduces the challenges and complexity of aviation security faced by aviation professionals across the industry and traces the evolution of current security approaches and explores technologies and processes targeting threat mitigation and improved operational efficiency.

Dual Credit: Vincennes University: AMNT 100 - Intro to Aviation, AFLT 210 - Aircraft Systems, Performance, and Aerodynamics, AFLT 225 - Human Factors and Safety, AFLT 285 - Aviation Weather

Prerequisites/Requirements for application: none

Occupations/Job Placements: Aircraft Pilot, Aviation Operations, Air Traffic Controller, Aircraft Dispatch, Aircraft Mechanic and Technician

Instructor Information: Dustin Betz- betzd@swdubois.k12.in.us





