

**Common Course Outline**  
**AVMT 142**  
**Private Pilot Certification - Airplane**  
**3 Credits**

**The Community College of Baltimore County**

**Description**

**AVMT 142 - 3 credits – Private Pilot Certification - Airplane** provides academic, flight and simulator training towards the completion of the Federal Aviation Administration (FAA) Private Pilot Certificate, Airplane category. Topics include preflight procedures, airport operations, takeoffs, landings, performance and ground reference maneuvers, navigation, slow flight and stalls, basic instrument maneuvers, emergency procedures, night flying operations, safety, and postflight procedures. This course has additional lab fees.

**3 credits: 3 lecture hours per week; approximately 45 hours at a flight training center**

**Prerequisite: AVMT 141 or concurrent or with Aviation Program Coordinator approval.**

**Overall Course Objectives**

Upon completion of this course students will be able to:

1. demonstrate flight proficiency required for the FAA Private Pilot Certificate;
2. demonstrate proper preflight planning and procedures;
3. explain basic aerodynamics and the principles of flight;
4. describe the operation and function of aircraft systems;
5. understand the dynamics of airport operations, including takeoffs, landings, and go-around procedures;
6. identify meteorology factors and critical weather situations;
7. demonstrate the proper use of aircraft navigation equipment;
8. demonstrate correct communications procedures;
9. explain the fundamentals of safe and efficient operation of aircraft; and
10. recognize the importance of good aeronautical decision making and sound judgment.

## **Major Topics**

- I. Preflight procedures
- II. Airport operations
- III. Takeoffs, landings, go-arounds
- IV. Performance and ground reference maneuvers
- V. Navigation
- VI. Slow flight and stalls
- VII. Basic instrument maneuvers
- VIII. Safety and emergency procedures
- IX. Night flying operations
- X. Postflight procedures

## **Course Requirements**

Grading/exams: Grading procedures will be determined by the individual faculty member but will include:

- Minimum of 4 in-class examinations
- Minimum of 2 practical evaluations

Writing: The individual faculty member will determine specific writing assignments such as special topic papers, current events reports, article or textbook summaries, research analysis papers, and personal journals.

Students are required to utilize appropriate academic resources.

## **Other Course Information**

This course is designed to be used as a degree requirement or substituted course in the Aviation Management, Associate of Applied Science degree.

This course is taught in a classroom, simulator and flight environment.