

## **AVMT 132**

### **Private Pilot Certification Airplane I**

2 Credits

## Community College of Baltimore County Common Course Outline

### **Description**

**AVMT 132 – Private Pilot Certification Airplane I:** provides the initial phase of flight and simulator training toward the completion of a Federal Aviation Administration (FAA) Private Pilot Certificate, Airplane category. Topics include preflight procedures, flight controls, aircraft systems, takeoffs, landings, slow flight, stalls, ground reference maneuvers, and emergency procedures. A valid FAA Second Class Medical Certificate is required. This course has additional lab fees.

**Co-requisites:** AVMT 131 and approval of the Aviation Program Director

### **Overall Course Objectives**

Upon completion of this course, students will be able to:

1. demonstrate proper preflight planning and procedures;
2. explain the purpose and function of various aircraft systems and flight controls;
3. demonstrate radio communication procedures at towered and non-towered airports;
4. identify relevant airport, airspace, and weather information;
5. demonstrate the ability to use checklists;
6. demonstrate the ability to perform takeoffs, landings, and go-arounds;
7. employ all available resources in the event of a system or equipment malfunction;
8. demonstrate slow flight and stalls;
9. perform ground reference maneuvers maintaining a specific ground track; and
10. operate an aircraft in solo flight as required for the FAA Private Pilot Certificate.

### **Major Topics**

- I. Preflight procedures
- II. Radio communication
- III. Airspace and airport operations
- IV. Aviation weather
- V. Flight controls and aircraft systems
- VI. Takeoffs, landings, and go-arounds
- VII. Normal and abnormal procedures
- VIII. Ground reference maneuvers
- IX. Slow flight and stalls
- X. Emergency procedures and single pilot resource management

The Common Course Outline (CCO) determines the essential nature of each course.  
For more information, see your professor's syllabus.

### **Course Requirements**

Grading will be determined by the individual faculty member, but shall include the following, at minimum:

- 2 skills-based evaluations
- comprehensive final exam
- 2 writing assignments such as flight plans, special topic papers, current events reports, article or textbook summaries, research or case study analysis papers, and personal journals

Written assignments and research projects: Students are required to use appropriate academic resources in their research and cite sources according to the style selected by their professor.

### **Other Course Information**

This course is a required course in the Associate of Applied Science Professional Pilot Airplane Aviation Technology Degree Program and an elective course in the Associate of Applied Science Professional Pilot Unmanned Aircraft Systems Aviation Technology Degree program.

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