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

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.

Date Revised: 11/5/2019