

Common Course Outline
AVMT 144
Private Pilot Certification - Helicopter
3 Credits

The Community College of Baltimore County

Description

AVMT 144 – 3 credits – Private Pilot Certification – Helicopter provides academic, flight and simulator training towards the completion of the Federal Aviation Administration (FAA) Private Pilot Certificate, Helicopter class. Topics include preflight procedures; airport and heliport operations; takeoffs and landings; performance and hovering maneuvers; navigation; basic instrument maneuvers; emergency procedures; night flying operations; safety; and post flight 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 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. execute proper preflight planning and procedures;
3. apply basic aerodynamics and the principles of flight;
4. describe the operation and function of aircraft systems;
5. operate within the dynamics of airport operations, including takeoffs, landings, hovering, and go-around procedures;
6. identify and assess meteorological factors and critical weather situations;
7. utilize aircraft navigation equipment properly;
8. demonstrate correct communications procedures;
9. employ the fundamentals of safe and efficient operation of aircraft; and
10. demonstrate good aeronautical decision making and sound judgment.

Major Topics

- I. Preflight procedures
- II. Rotary aircraft systems
- III. Airport and heliport operations
- IV. Takeoffs, landings, and go-arounds
- V. Performance and hovering maneuvers
- VI. Navigation
- VII. Basic instrument maneuvers
- VIII. Safety and emergency procedures
- IX. Night flying operations
- X. Post flight procedures

Course Requirements

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

- A minimum of four in-class examinations
- Two practical evaluations

Writing assignments: The individual faculty member will assign a minimum of three writing assessments (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 taught in a classroom, simulator and flight environment.

Date revised: 11/4/2014