

Common Course Outline
AVMT 242
Instrument Pilot Rating

The Community College of Baltimore County

Description

AVMT 242 - 3 credits

Instrument Pilot Rating

Provides academic, flight, and simulator training required for the Instrument Pilot Rating; includes preflight preparation, air traffic control clearances and procedures, flight by reference to instruments, navigation systems, instrument approach procedures, emergency operations, safety, and postflight procedures.

Prerequisite: AVMT 142 and AVMT 241

Overall Course Objectives

Upon completion of the course the student must be able to:

- A. Demonstrate flight proficiency required for the Instrument Pilot Rating as specified in Federal Aviation Regulations.
- B. Obtain the aeronautical experience required for the Instrument Pilot Rating as specified in Federal Aviation Regulations
- C. Demonstrate proper preflight procedures.
- D. Understand the dynamics of instrument flight, including flight by reference to instruments, airport approach procedures, and pilot-controller communications.
- E. Understand and demonstrate the proper use of aircraft navigation equipment.
- F. Understand the principles of safety, flight physiology, and emergency procedures.
- G. Demonstrate proper postflight procedures

Major Topics

- A. Preflight preparation
- B. Air traffic control clearances and procedures
- C. Flight by reference to instruments
- D. Navigation systems
- E. Instrument approach procedures
- F. Emergency operations
- G. Safety of flight
- H. Postflight procedures

Course Requirements

- A. Mid-term and/or periodic examination
- B. Comprehensive final examination
- C. Attendance and participation

