

Common Course Outline
AVMT 247
Commercial Pilot Certification

The Community College of Baltimore County

Description

AVMT 247 - 3 credits

Commercial Pilot Certification

Provides academic, flight, and simulator training required for the Commercial Pilot Certificate; includes preflight preparation, specialty takeoffs and landings, commercial pilot maneuvers, navigation, slow flight, stalls, spin awareness, emergency procedures, safety, high-altitude and postflight procedures.

Prerequisite: AVMT 142 or private pilot certificate or concurrent AVMT 246

Overall Course Objectives

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

- A. Demonstrate flight proficiency required for the Commercial Pilot Certificate as specified in Federal Aviation Regulations.
- B. Obtain the aeronautical experience required for the Commercial Pilot Certificate as specified in Federal Aviation Regulations
- C. Demonstrate proper preflight procedures.
- D. Understand the dynamics of airport operations, including specialty takeoffs and landings, go-around procedures, and pilot-controller communications.
- E. Understand and demonstrate the proper use of aircraft navigation equipment.
- F. Demonstrate slow flight and stalls.
- G. Correctly perform FAA commercial pilot maneuvers.
- H. Understand the principles of safety, flight physiology, and emergency procedures.
- I. Demonstrate proper postflight procedures

Major Topics

- A. Preflight preparation
- B. Specialty takeoffs and landings
- C. Commercial pilot maneuvers
- D. Advanced navigation
- E. Slow flight
- F. Stalls and spin awareness
- G. Emergency procedures
- H. Safety
- I. Operation of complex and high performance aircraft
- J. High-altitude procedures
- K. Postflight procedures.

Course Requirements

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

C. Attendance and participation