

APT A126: MULTI-ENGINE AIRCRAFT OPERATIONS LAB

Item	Value
Top Code	302020 - Piloting
Units	1 Total Units
Hours	54 Total Hours (Lab Hours 54)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S)

Course Description

The student will receive training in the maneuvers and procedures necessary to meet the standards contained in the Commercial Practical Test Standards Airplane Multi-Engine Land. Additionally, the student will receive training in safety awareness, crew resource management, and aeronautical decision making. At the successful completion of this course, the student will have gained the aeronautical experience necessary to attain the additional rating of Commercial Pilot, Airplane Multi-Engine Land. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Performs within the tolerances for each flight maneuver required by in the Federal Aviation Administration (FAA) Practical Test Standards for Commercial Pilot Multi-Engine Airplane.

Course Objectives

- 1. Perform all maneuvers outlined in the Practical Test Standard for Airplane Multi-Engine Land to the level of performance outlined in the objectives.
- 2. Safely perform single engine instrument approaches
- 3. Demonstrate the ability to fly the aircraft at minimum controllable airspeeds
- 4. Perform a V_{mc} demonstration and recovery
- 5. Perform multi-engine aircraft performance calculations
- 6. Perform multi-engine aircraft weight and balance calculations
- 7. Execute night takeoffs and landings both single and multi-engine
- 8. Demonstrate the ability to plan and conduct long cross country operations

Method(s) of Instruction

- Lab (04)