

Cape Cod Community College AMTS

Curriculum Subject Guide for AMT 111 General Curriculum, Subject Items 20 and
21

Part 147, Appendix B, Subject F – Ground Operation and Servicing

Subject: Ground Operation and Servicing

Item 20. Start, ground operate, move, service, and secure aircraft and identify typical ground operation hazards. (Level 2)

T – 6.25 Hrs / L – 18 Hrs

Item 21. Identify and select fuels. (Level 2)

T – 1.5 Hrs / L – 2.0 Hrs

Classroom time: 8.25 hours

Lab or shop time: 19.5 hours

Test time: 2.25 hours

Total Time: 30 hours

Teaching Level 2

Project 1A & 1B

Item 20 – 9 Hrs

Theory Test 1

0.25 Hrs

Project 2A & 2B

Item 20 – 9 Hrs

Item 21 – 2.0 Hrs

Practical Test 1

2.0 Hrs

Prerequisite(s)

(1) None

Course Interruptions: All interruptions or changes in course sequence will be in accordance with the Order of Instruction policy, located in Cape Cod Community College's Operations Manual, page 17.

Item 20:

Student Performance Goal(s)

(1) Given: Aircraft Cessna 402 & Piper Comanche 250. Written engine operating procedures for both aircraft. Hand signal charts and instructions for movement of aircraft.

Performance: The student will assist with starting, operating, and shutting down an aircraft engine. The student will demonstrate accepted hand signals in providing directions to the movement of aircraft during towing, taxiing, and parking.

Standard: All starts, operation, and movements, and shut downs will comply with given written procedures.

Item 21:

Student Performance Goal(s)

- (1) Given: Cessna 402C Aircraft flight manual. Comanche Piper 250 Aircraft flight manual. Aviation fuels (Blue 100LL, Clear Jet Fuel)

Performance: The student will identify fuel samples from sample mason jars. The student will associate each color with the correct octane range.

Standard: Complete all course lessons within acceptable grading policy.

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