



AMMA

AIRCRAFT MAINTENANCE AND MANUFACTURING ACADEMY
CIVIL AIR PATROL
UNITED STATES AIR FORCE AUXILIARY
Cessna Aircraft Company – Independence, Kansas

AMMA SYLLABUS

FROM: AMMA ACTIVITY DIRECTOR

Purpose:

The purpose of this program is to acquaint participating CAP cadets with the production processes for single-engine piston and personal twin-engine turbine powered (jet) aircraft. At the completion of the week-long academy the cadet will be able to explain the production process from beginning to end.

Process:

To accomplish this objective the participants will experience classroom and hands-on training in sheet metal aircraft construction (single-engine) and non-sheet metal aircraft construction (jet) aircraft. This monitored training will allow the cadet to assist in the production of these aircraft. In addition to mechanical assembly, they will also assist in the electrical and upholstery departments and may be invited to a production team meeting. Weather and circumstances permitting, the cadets will receive an introductory ride in one of three single-engine aircraft models similar to the models they helped build.

The cadets will also attend an EAA Chapter meeting and participate in discussion of home-built aircraft, and may receive an introductory lesson in radio controlled aircraft flight. Several optional activities are anticipated to include presentations on high time / high cycle commercial aircraft maintenance, and opportunities to tour the Kansas Cosmosphere & Space Center.

Safety:

Safety is a foremost concern due to the nature of this program. Therefore, participants and staff will receive multiple safety briefings within the week; at least two from the Cessna Company and more from our CAP activity safety officer. In addition, cadets will be drilled on weather, fire safety and evacuation procedures.

Training Schedule:

The training schedule is renewed annually in cooperation with the Cessna Aircraft Company and area aviation related entities.

Measurement:

During and at the end of the activity cadet participants will be asked to review and explain various aspects of the production process within a group discussion environment, and will be asked to identify production areas that most interested them, and why. Each participant will receive certification of completion for this academy and a CAPF2a that enables their home unit to present the NCSA ribbon.