

Aviation Technology- Maintenance
Standard Course Outline

AVTG 1001 – INTRODUCTION TO AVIATION

Catalog Description: Student orientation, facility familiarization, housekeeping procedures, and safety. Overview of aircraft structures, including evolution and the various types of structures. Overview of aircraft power-plants, including evolution and the various types of engines. Clock hours: 19 lecture, 5 shop

Prerequisite: none, but students must meet with an aviation maintenance advisor before enrolling

Credit hours/ Contact hours/ Load hours:1/24/6 hours per day for 4 days

Target Audience & Transferability:

This course is designed for students seeking a Certificate of Proficiency, Technical Certificates in Airframe and Powerplant, an AAS in Aviation Maintenance Technology, or an AS in Aviation Maintenance Management. Individual AVT courses or Certificates may be transferable to other FAA Certified Aviation Maintenance Technician schools under Federal Regulations.

Student Outcomes/ Course Topics:

Students completing this course will be able to:

1. Have a working knowledge of the principles of math and physics referring directly to aircraft operating parameters.
2. Demonstrate a thorough understanding of weight and balance, electricity, aircraft fluids, and other aerospace materials and processes.
3. Safely perform basic ground servicing.
4. Understand required forms, record keeping, and computer technologies.

Required Text(s): none

Required Methods of Instruction:

Classes are taught off-campus in a full time day or night format, requiring maximum attendance.

Required Forms of Assessment:

An end of subject exam will be administered by the instructor as required to insure progress. Students must pass this course to begin specific training in either General, Airframe or Powerplant AVT classes.