Course Syllabus

Section 1

DOE

Program Number: T640300, **Course Number:** AMT0705.

Official Description: The Aviation Maintenance General Technician course is designed to prepare students for the Aviation Airframe Mechanics and Aviation Powerplant Mechanics courses. This is the first 450 hours of the Aviation Airframe Mechanics and Aviation Powerplant Mechanics program. Students explore career opportunities and the requirements of a professional aviation mechanic. Students study 13 areas approved by the FAA, listed below under the Course Outline.

FAA

Course Name: Aviation Maintenance General**, Course Prefix:** AMT**.**

Official Description: The Aviation program focuses on broad, transferable skills and stresses understanding of all aspects of the aviation maintenance industry. It also demonstrates elements of the industry, such as: planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues, and health, safety, and environmental issues.

The program teaches technical skill proficiency and includes competency-based applied projects with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Transportation, Distribution, and Logistics career cluster. The program teaches technical skills and proficiency, and includes competency and problem-solving skills that contribute to the academic knowledge, higher-order reasoning, and problem-solving skills. Work attitudes, general employability skills, technical skills, occupation-specific skills, and knowledge of all aspects of the Transportation, Distribution, and Logistics career cluster are also covered in the curriculum.

Pre-requisite(s); co-requisite(s): None

Textbook and other materials:

AMT General Handbook, 8083-30A
Aviation Mechanics Handbook, 7E #M-HB7
Jeppesen Test Guide
ASA General Test Guide w/Key (Prepware Code)
2023 FAR
AC 43-13-1B/2B

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Section 2

Grading Criteria:

Students will be evaluated in both theory and practical applications. Aviation Academy uses the generally accepted academic standard minimum for passing of 70% and standard rounding during calculations.

A variety of evaluations may be administered, including but not limited to written assignments, practical exercises, quizzes, tests, and final unit tests. Once a student has successfully passed all the requirements of a course area, the course final grade will be calculated using the following weighted items:

Written Assignments = 20% of the final grade
Quizzes & Section Test = 35% of the final grade
Course Final Test = 45% of the final grade

Final letter grades will be issued using standard Tom P. Haney Technical College procedures for assigning letter grades from the calculated percentages as follows:

90%-100% = "A"
80%-89% = "B"
70%-79% = "C"
<70% = "F"

You are responsible for completing all assignments on time. All assignments must be completed in order and by their due time if applicable. There is no penalty for early completion. Penalties for late completion are as follows: **No late work will be accepted; if an assignment is not completed by its due date, a score of zero will be given for that assignment. Make certain you complete the assignments by their due date.**

If you are absent on a scheduled unit test day, you have five class days to schedule and complete the test. If your test is not complete, a score of zero will be given for the test.

Program approved objectives:

Course Outline:

Phase I

AMT 100	Introduction to Aircraft Maintenance I (Math and Physics)
AMT 102	Introduction to Aircraft Maintenance II (Ground Ops, Corrosion control, Weight & Balance)
AMT 104	Introduction to Aircraft Maintenance III (Electricity)
AMT 106	Introduction to Aircraft Maintenance IV (Aircraft Drawings, Publications, Forms, and Records. Mechanic Privileges)
AMT 108	Introduction to Aircraft Maintenance V (Materials, Processes. Fluid lines & Fittings)
AMT 110	Introduction to Aircraft Maintenance VI (Employability & Entrepreneurship Human Factors)

Attendance Policy: Refer to the Tom P. Haney Technical College Handbook and the Aviation Academy Handbook for Attendance policies.

Withdrawal Policy: The Student will make the instructor aware of any withdrawals. All withdrawals will be done per the Tom P. Haney Technical College policies.

Make-up work Policy: Refer to the Academy Handbook

Late work Policy: All assignments must be completed by their due date.

Written work Policy: All assignments must be completed by their due date.

Academic Misconduct: Refer to the Tom P. Haney Technical College student handbook.

Hybrid: This course utilizes a hybrid schedule; see the Aviation Academy Student Handbook for details.

Section 3

Students should prepare for the twenty-first-century challenges by gaining:

A. Knowledge of human cultures and the physical and natural worlds through study in the sciences and mathematics, social sciences, humanities, histories, languages, and the arts.

B. Intellectual and practical skills, including
- **inquiry and analysis**
- **critical and creative thinking**

- **written and oral communication**
- **quantitative literacy**
- **information literacy**
- **teamwork and problem solving**

C. Personal and social responsibility, including

- **civic knowledge and engagement (local and global)**
- **intercultural knowledge and competence**
- **ethical reasoning and action**
- **foundations and skills for lifelong learning**

D. Integrative and applied learning, including synthesis and advanced accomplishment across general and specialized skills.

Section 4

General Information

1. ADA Statement: As per section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, refer to Page 11 *of the* Tom P. Haney Technical College *Student* ***Handbook.***

2. Academic Dishonesty: Students may be subject to disciplinary proceedings resulting in an academic penalty or disciplinary penalty for academic dishonesty. Academic dishonesty includes, but is not limited to, cheating on a test, plagiarism, and/or collusion. For additional information, see the *Misconduct defined on page 23 of the* Tom P. Haney Technical College *Student Handboo****k.***

3. Students should not bring children or personal pets to either class or laboratory. Minors 16 years and under must not be left unattended on campus.