

CENTER FOR INNOVATIVE TECHNOLOGIES
MASTER COURSE DOCUMENT

AMT 100 Aviation Standard Practices

Course Description: A course that uses FAA-approved instruction for foundation concepts and techniques in aviation maintenance. Topics include: fluid lines and fittings, materials and processes, and cleaning and corrosion control.

Prerequisites(s): AFL 085 or appropriate placement test score **Corequisite(s):** No corequisite

Lecture Hours: 4	Lab Hours: 6	Credit Hours: 6
Lab Fee: 300	Supplemental Fee: 0	Purpose:
<input type="checkbox"/> Transfer Assurance Guide Course (TAG)		<input type="checkbox"/> Transfer Module Course (TM)
Course Format: Lec/Lab		Grading: A/B/C/D/F/I
Delivery Method: Classroom		
Semesters Offered: Fall - Days, Summer - Evenings		

Course Primary Text:

Title: Aircraft Basic Science	Edition: 8th
Author(s): Kroes and Rardon	
Publisher: Glencoe	

Supplemental Materials:

Advisory Circular (AC 43.4A), U.S. Department of Transportation, Federal Aviation Administration
FAA 8083-30A, U.S. Department of Transportation, Federal Aviation Administration

Course Outcomes:

1	Students will learn about basic hand tools used by the aviation maintenance technician along with many of the special tools found in the aviation industry.
2	Students will perform precision measurements using rulers, micrometers, calipers, dial indicators, analog and digital measuring equipment.
3	Students will also learn about the hundreds of fasteners used in aircraft maintenance including materials and identification methods.
4	Fastener torque and safetying will also be demonstrated and completed for proper application and serviceability.
5	Students will also identify and select the proper cleaning materials for aircraft airframes, powerplants, and components.

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6	Students will identify various types of corrosion affecting modern aircraft materials and discuss various types of corrosion control methods.
7	Corrosion preventative methods will be discussed and demonstrated including aircraft finishing techniques.

Course Topics:

Course booklet with FAA approved practical projects and course lectures is located in the AMT Offices at the Cincinnati State West Campus.

Methods of Evaluation/Assessment

Tests
Quizzes
Lab Projects
Lab & Class Participation
Attendance

Course Keeper: Gary Goodpaster

Date Completed: April 01, 2019