

Blueprint for Instruction and Assessment

Aircraft Mechanics

47.0600.50



Domain	Related Standards	Instructional Time
Domain 1 Regulatory	STANDARD 3.0 WEIGH AND BALANCE AIRCRAFT STANDARD 8.0 PREPARE AIRCRAFT MAINTENANCE FORMS AND RECORDS STANDARD 11.0 INTERPRET MECHANIC PRIVILEGES AND LIMITATIONS STANDARD 12.0 IDENTIFY FEDERAL AVIATION ADMINISTRATION LICENSING REQUIREMENTS	25-30%
Domain 2 Basic Processes	STANDARD 4.0 MAINTAIN AND REPAIR FLUID LINES AND FITTINGS STANDARD 5.0 INSPECT AND TEST AIRCRAFT WELDS AND MATERIALS STANDARD 7.0 PERFORM AIRCRAFT CLEANING AND CORROSION CONTROL	25-30%
Domain 3 Basic Electricity	STANDARD 1.0 PERFORM ELECTRICAL MAINTENANCE AND REPAIR	15-20%
Domain 4 Principles of Flight	STANDARD 2.0 PREPARE AIRCRAFT DRAWINGS STANDARD 9.0 APPLY BASIC PHYSICS TO AIRCRAFT SYSTEMS STANDARD 10.0 DEMONSTRATE APPROPRIATE UNDERSTANDING OF BASIC SCIENCE	5-10%
Domain 5 Basic Operations	STANDARD 6.0 PERFORM GROUND OPERATION AND SERVICES	5-10%

Content domains are bodies of knowledge, skills, or abilities to be taught and assessed. They illustrate the relationship among technical standards, instructional time, and student success on the Technical Skills Assessment. This blueprint corresponds with the technical standards endorsed on May 16, 2012 and updated on June 3, 2017.

