**Blueprint for Instruction and Assessment**

**Aircraft Mechanics**

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| **Domain** | **Related Standards** | **Instructional Time** |
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| **Domain 1**  Regulatory | **STANDARD 3.0** WEIGH AND BALANCE AIRCRAFT  **STANDARD 8.0** PREPARE AIRCRAFT MAINTENANCE FORMS AND RECORDS AND INTERPRET PUBLICATIONS  **STANDARD 10.0** INTERPRET MECHANIC PRIVILEGES AND LIMITATIONS | 25-30% |
| **Domain 2**  Basic Processes | **STANDARD 4.0** MAINTAIN AND REPAIR FLUID LINES AND FITTINGS  **STANDARD 5.0** INSPECT AND TEST AIRCRAFT MATERIALS AND PROCESSES  **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**  Basic Principles of Flight | **STANDARD 2.0** PREPARE AIRCRAFT DRAWINGS  **STANDARD 9.0** APPLY BASIC PHYSICS TO AIRCRAFT SYSTEMS | 15-20% |
| **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 or assessed. They are clustered as related to technical standards for instruction. The suggested percentage of instructional time is listed for each domain. Instructional time corresponds to the percentage of assessment items included on the Technical Skills Assessment (TSA) 2020-2021.

A picture containing food, drawing

Description automatically generatedThis blueprint corresponds with the Technical Standards endorsed on May 16, 2012 and updated on June 3, 2017.