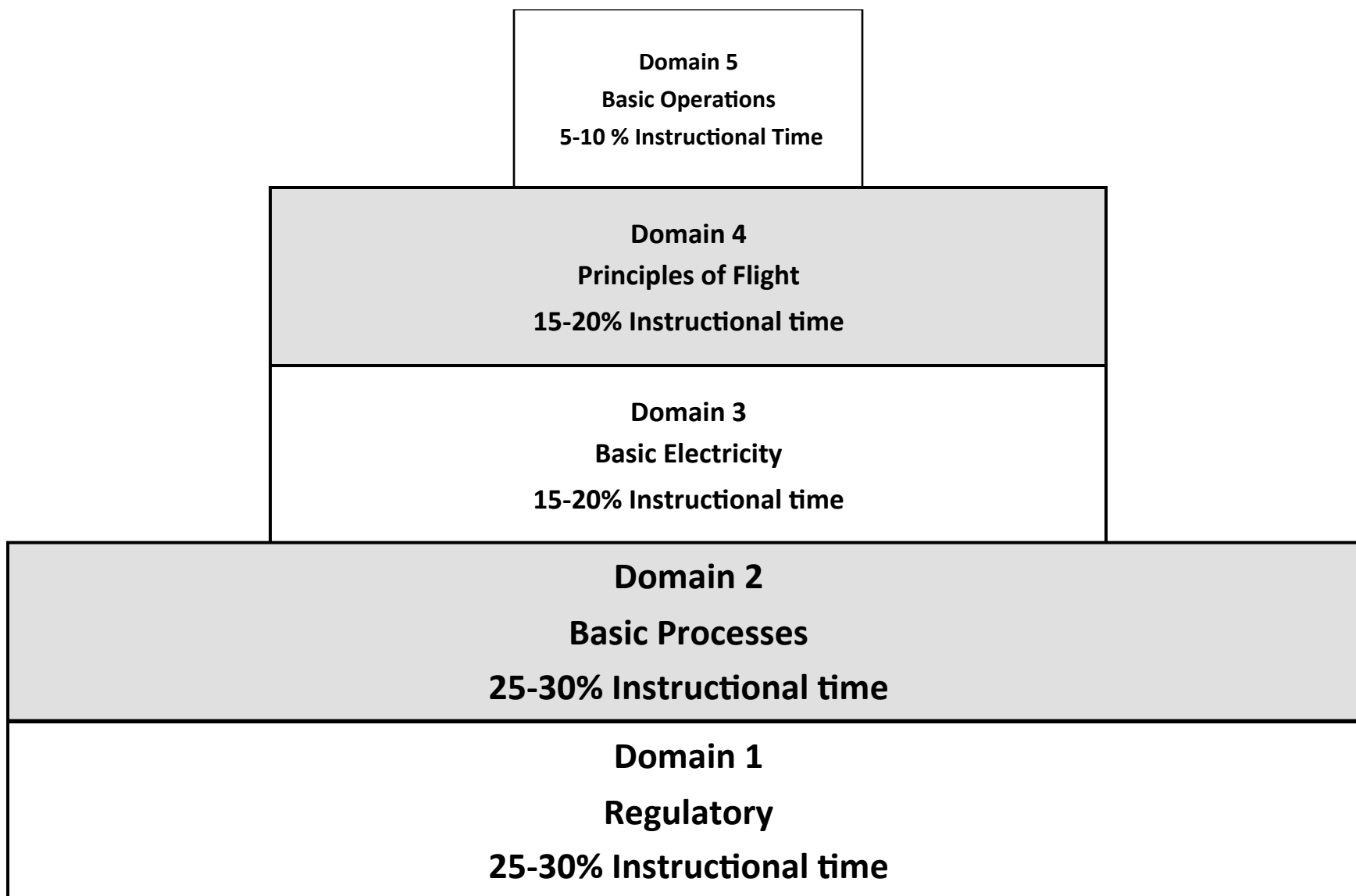


Content Domains

Aircraft Mechanics 47.0600.50



The technical standards for the Aircraft Mechanics Program are clustered in 5 domains. The greatest percentage of instructional time will be spent on domains 1, 2, and 3 with less time on domains 4 and 5. Students who complete the program should demonstrate a thorough knowledge in each of these domains.

Content Domains, Standards and Instruction

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	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 2017