

Blueprint for Instruction and Assessment

Construction Technologies

46.0400.20



Domain	Related Standards	Instructional Time
Domain 1 Safety, Tools and Applied Math	STANDARD 1.0 MAINTAIN A SAFE WORK ENVIRONMENT IN ACCORDANCE WITH OSHA STANDARD 2.0 RECOGNIZE HAND AND POWER TOOLS AND EQUIPMENT STANDARD 3.0 USE APPLIED MATHEMATICS AND MEASUREMENTS	35-45%
Domain 2 Residential Construction Applications	STANDARD 5.0 RECOGNIZE SITE AND BUILDING LAYOUT STANDARD 6.0 PERFORM MASONRY WORK STANDARD 7.0 LAY OUT AND INSTALL FLOOR AND CEILING FRAMING STANDARD 8.0 DEMONSTRATE WALL FRAMING STANDARD 9.0 DEFINE ROOF FRAME AND FINISH STANDARD 16.0 PERFORM CONCRETE WORK	25-30%
Domain 3 Applied Sciences – HVAC, Plumbing and Electrical	STANDARD 10.0 IDENTIFY ENVIRONMENTAL COMPONENTS IN BUILDING ENVELOPE AND OCCUPIED SPACES STANDARD 13.0 ASSEMBLE PIPING, WASTE, AND VENT DISTRIBUTION SYSTEMS STANDARD 14.0 INSTALL ELECTRICAL COMPONENTS/SYSTEM(S)	15-20%
Domain 4 Stairs, Interior and Exterior Trims and Finishes	STANDARD 11.0 APPLY EXTERIOR FINISHES STANDARD 12.0 APPLY INTERIOR TRIM AND STAIRS STANDARD 15.0 INSTALL INTERIOR WALL AND CEILING FINISH	5-10%
Domain 5 Blueprint and Plans	STANDARD 4.0 USE CONSTRUCTION DOCUMENTS	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 October 9, 2019.

