

Blueprint for Instruction and Assessment

Heating, Ventilation, and Air Conditioning

47.0201.00



| Domain | Related Standards | Instructional Time |
|--|---|--------------------|
| Domain 1 HVAC Profession and Heating and Cooling Systems | STANDARD 1.0 INVESTIGATE THE HVAC PROFESSION STANDARD 4.0 INSPECT AND SERVICE HEATING SYSTEMS STANDARD 5.0 INSPECT AND SERVICE COOLING SYSTEMS | 25 - 35% |
| Domain 2 Electrical Troubleshooting | STANDARD 3.0 INSPECT AND TROUBLESHOOT THE ELECTRICAL SYSTEM | 25 - 35% |
| Domain 3 Piping and Tubing | STANDARD 7.0 CUT AND JOIN COPPER AND PLASTIC PIPING STANDARD 8.0 DEMONSTRATE SOLDERING AND BRAZING TECHNIQUES | 20 - 25% |
| Domain 4 Trade Math used in Diagnostics | STANDARD 2.0 USE MATH SKILLS IN HVAC APPLICATIONS STANDARD 6.0 RECOGNIZE DEFICIENCIES IN AIR DISTRIBUTION SYSTEMS | 5 - 10% |
| Domain 5 Steel Piping | STANDARD 9.0 DEMONSTRATE BASIC CARBON STEEL PIPING TECHNIQUES | 5 - 10% |

Content domains are knowledge, skills, and 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 14, 2024.

