

**Secondary Scope & Sequence**

- Ⓞ Technical - Major units and levels with estimated hours
- Ⓞ Academic - Recommended

Subject – Hours	Level I	Estimate of Hours	Level II	Estimate of Hours	Level III	Estimate of Hours	Level IV	Estimate of Hours
<b>Technical</b>	DEMONSTRATE PERSONAL SAFETY IN THE TRAINING LABORATORY	65	DEMONSTRATE SKILL IN VARIOUS TYPES OF PLASTIC PIPE AND TUBING	44	INSTALL APPLIANCES	180	PERFORM TESTS ON PIPING SYSTEMS	60
	DEMONSTRATE JOB SITE SAFETY PRACTICES	30	INSTALL PIPE HANGERS AND SUPPORTS	22	INSTALL VENTS	75	PERFORM ADVANCED PIPE FABRICATION	60
	READ BLUEPRINTS AND SKETCHING OF PIPE SYSTEMS	55	BUILD WATER DISTRIBUTION LINES	44	MAINTAIN PLUMBING SYSTEMS - RESIDENTIAL	105	WORK WITH PRESSURE BOILERS	120
	DEMONSTRATE KNOWLEDGE OF PIPE SPECIFICATIONS AND SYSTEMS	80	DEMONSTRATE SKILL IN WORKING WITH STEEL PIPE AND FABRICATE THREADED PIPE	33			WORK WITH HYDRONIC HEATING SYSTEM	75
	DEMONSTRATE USE OF HAND AND POWER TOOLS	20	DEMONSTRATE SKILL IN WORKING WITH CAST IRON PIPE	33			DEMONSTRATE SAFE USE OF LADDERS AND SCAFFOLDS	45
	IDENTIFY AND INSTALL VALVES	70	DEMONSTRATE TRANSIT OPERATIONS	22				
	DEMONSTRATE SKILL IN WORKING WITH COPPER	40	BUILDING DRAINS	99				
			INSTALL FIXTURES - RESIDENTIAL	63				
English (4)	College Prep English I		College Prep English II		College Prep English III		College Prep English IV	
Math (3)	Algebra I		Algebra II		Geometry		Higher Level College Prep Math (recommended)	
Science (3)	Biology		Chemistry		Physics			
Humanities (covering these courses in any order) (3)	Civics		U.S. History		World History			
Other	Foreign Language I (recommended)		Foreign Language II (recommended)					