Program Name: **MASONRY**   2019-2020 SCOPE & SEQUENCE

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
Technical	DEMONSTRATE KNOWLEDGE OF THE MASONRY TRAINING LAB	8	DEMONSTRATE PROPER SAFETY PRACTICES LEVEL 2	15	READ BLUEPRINTS. DEMONSTRATE PROPER SAFETY PRACTICES	70	DEMONSTRATE SAFE AND PROPER USE OF HAND TOOLS LEVEL 4	6
	DEMONSTRATE PROPER SAFETY PRACTICES LEVEL 1	30	DEMONSTRATE THE SAFE USE OF POWER TOOLS LEVEL 2	5	DEMONSTRATE SAFE USE OF HAND AND POWER TOOLS	22	PREPARE A BUILDING SITE LEVEL 4	15
	DEMONSTRATE SAFE AND PROPER USE OF MASONRY HAND TOOLS LEVEL 1	44	DEMONSTRATE PROPER BRICKLAYING TECHNIQUES LEVEL 2	56	PREPARE A BUILDING SITE LEVEL 3	30	DEMONSTRATE PROPER BRICK & BLOCKLAYING TECHNIQUES LEVEL 4	139
	DEMONSTRATE THE SAFE USE OF POWER TOOLS LEVEL 1	56	DEMONSTRATE PROPER BLOCKLAYING TECHNIQUES LEVEL 2	26	USE MASONRY FASTENERS	20	CONSTRUCT RESIDENTIAL CHIMNEYS & FIREPLACES LEVEL 4	60
	DEMONSTRATE PROPER BRICKLAYING TECHNIQUES	92	MIX AND SPREAD MORTAR LEVEL 2	12	DEMONSTRATE PROPER BRICK & BLOCKLAYING TECHNIQUES LEVEL 3	85	PERFORM TILE CONSTRUCTION LEVEL 4	40
	DEMONSTRATE PROPER BLOCK LAYING TECHNIQUES	52	CONSTRUCT RESIDENTIAL CHIMNEYS AND FIREPLACES LEVEL 2	36	CONSTRUCT RESIDENTIAL CHIMNEYS & FIREPLACES LEVEL 3	84	PERFORM ADHERED MANUFACTURED STONE MASONY VENNER CONSTRUCTION	40
	MIX AND SPREAD MORTAR LEVEL 1	33	PERFORM ARCH CONSTUCTION PERFORM TILE CONSTRUCTION	95	PREFORM CONCRETE FLAT WORK LEVEL 3	49	PREFORM CONCRETE FLAT WORK LEVEL 4	60
	PREPARE A BUILDING SITE LEVEL 1	45	ESTIMATE MASONRY WORK PERFORM ADHERED MANUFACTURED STONE	115				
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)					