

Scope and Sequence Bricklaying

Academic Subjects – Career success and postsecondary education success require the same level of college prep coursework. The Pennsylvania Department of Education’s (PDE) focus is to ensure that every student is prepared for college and a career. Academic courses such as applied math or general science cannot be listed on the program’s scope and sequence. PDE’s goal is to have all students perform at the competent or advanced level on the PSSA, and earn the Pennsylvania Skills Certificate on the end-of-program assessment.

Subject (Hours)	Secondary School				Postsecondary Institution			
	Grade 9 (Hours)	Grade 10 (Hours)	Grade 11 (Hours)	Grade 12 (Hours)	First Semester	Second Semester	Third Semester	Fourth Semester
Technical		Safety Procedures & Basic Masonry Principles	Intermediate Masonry Principles	Advanced Masonry Principles	BCT 102: Construction Safety and Equipment	BCT 117 Construction Materials and Application I	MCT 233: Stone Masonry	MCT 262 : Structural Masonry Systems
		Wall Layout	Measuring Skills	Masonry Structures-Hardscapes	BCT 103: Construction Hand and Power Tools	BCT 107: Print Reading and Architectural Drafting	MCT 239: Fireplace Construction	BCT 256 Residential Construction, Planning, Schedule
		Trowel Use	Power Tools in Masonry	Tool & Equipment	BCT 110 Site Preparation and Layout	MCT 129 Brick Masonry	BCT 238 Concrete Construction	
		Level Gauge & Square	Reinforcement Anchors	Read Plans & Estimate Materials	MCT 115 Concrete Block Construction			
		Apply Lay Basics	OSHA-10 Hour Safety Card	Arches, Chimney & Fireplaces				
		Tool & Point Joints	Job Seeking/Keeping Skills	Set Wall & Floor Tile				
		Tools & Equipment		Job Seeking/Keeping Skills				
		Job Seeking/Keeping Skills						
English	College Prep English 9	College Prep English 10	College Prep English 11	College Prep English 12		ENL 111 English Composition I	ENL 201 Technical and Professional Communications	
Math	Algebra I	Geometry	Algebra II	Trigonometry	MTH 124 Technical Algebra and Trig			
Science	Accl Integrated Science	Biology	Chemistry	Physics			PHS 114: Physics with Technological Applications	
Humanities	Citizenship	World Cultures	American History I	American Government			Humanities Elective	Fitness Elective
Other	Physical Education	Physical Education	Physical Education	Physical Education				
	Health	Health	Driver's Ed Theory					