

# Scope and Sequence Building Property Maintenance



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		Knowledge of Building Maintenance	Floors, Roofs, Doors & Windows	Demonstrate Carpentry Practices & Surface Treatment	BCT 102: Construction Safety and Equipment	BCT 118: Construction Materials and Applications 1	BCT 234: Masonry Principles	BCT 255: Construction Estimating
		Demonstrate Skill in Mechanics	Interior Walls, Drywall, Paneling & Ceilings	Environmental Control Systems – HVAC	BCT 103: Construction Hand and Power Tools	BCT 119: Blueprint Reading and Specifications	BCT 238: Concrete Construction	BCT 256: Residential Construction Planning, Schedule
		Demonstrate Use of Power Tools	Moldings & Finish Flooring	Appliance, Trash Compactor & Elevator Repair	BCT 109: Framing Principles	BCT 127: Roof Framing and Exterior Finishing	BCT 260: Introduction to Electrical and Mechanical	BCT 257: Interior Finish and Trim
		Demonstrate Electrical Practices	Tile & Insulation	Landscaping & Grounds Keeping	BCT 110: Site Preparation and Layout			BCT 258: Computer Applications for Construction
		Plumbing	Plumbing	Masonry & Concrete	BCT 117: Construction Materials and Applications 1			
		Job Seeking / Keeping Skills	Osha-10 Hour Certification	Welding & Cutting				
			Job Seeking/Keeping Skills	Machining				
				Job Seeking/Keeping Skills				
English	College Prep English 9	College Prep English 10	College Prep English 11	College Prep English 12		ENL 111: English Comp I	ENL 201: Technical & Professional Communication	
Math	Algebra I	Geometry	Algebra II	Trigonometry	MTH 124: Technical Algebra & Trig I			
					MTH 180: College Algebra and Trig I			
Science	Accl Integrated Science	Biology	Chemistry	Physics			PHS 103: Physics Survey	
							PHS 114: Physics w/Technological Applications	
Humanities	Citizenship	World Cultures	American History I	American Government				_HUM: Elective: HUM/SSE/ART/FOR /AAE
Other	Physical Education	Physical Education	Physical Education	Physical Education		FIT: Elective: Fitness		
	Health	Health	Driver's Ed Theory					