

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.

	SECONDARY				POSTSECONDARY based on PENN COLLEGE OF TECHNOLOGY			
	Ninth Grade	Tenth Grade	Eleventh Grade	Twelfth Grade	Semester One	Semester Two	Semester Three	Semester Four
Technical Units		Knowledge of Building Maintenance Exterior Carpentry, Plumbing, Electrical & Interior Finish Materials & Environmental Control Systems Masonry Grounds Maintenance Electrical Concepts Job Seeking/Keeping Skills	Plumbing Leadership in HBA-Job Site Communication interior Carpentry Environmental Control Systems OSHA- 10 hour Certificate Job Seeking/Keeping Skills	Electric Welding Oxy-Acetylene Welding Machine Shop Procedures NCCER-Carpentry, Work Schedules NCCER MASONRY NCCER-Plumbing NCCER-Electrical	BCT 102: Construction Safety and Equipment BCT 103: Construction Hand and Power Tools BCT 109: Framing Principles BCT 110: Site Preparation and Layout BCT 117: Construction Materials and Applications 1	BCT 118: Construction Materials and Applications 1 BCT 119: Blueprint Reading and Specifications BCT 127: Roof Framing and Exterior Finishing	BCT 234: Masonry Principles BCT 238: Concrete Construction BCT 260: Introduction to Electrical and Mechanical	BCT 255: Construction Estimating BCT 256: Residential Construction Planning, Schedu BCT 257: Interior Finish and Trim BCT 258: Computer Applications for Construction
English	College Prep English I	College Prep English II	College Prep English III	College Prep English IV		ENL 111: English Comp I	ENL 201: Technical & Professional Communication	
Math	Algebra I	Algebra II	Geometry	College Prep Math (recommended)	MTH 124: Technical Algebra & Trig I			

					MTH 180: College Algebra and Trig I			
Science	Biology	Chemistry	Physics				PHS 103: Physics Survey PHS 114: Physics w/Technological Applications	
Humanities	Civics	American History	World Studies					_HUM: Elective: HUM/SSE/ART/FO R /AAE
Other Required Courses/ Electives	Foreign Language I (recommended)	Foreign Language II (recommended)				FIT: Elective: Fitness		