

## Scope and Sequence Carpentry

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
<b>Technical Units</b>		Basic Construction Safety  Basic hand Tools/ fasteners  Basic Power tools  Basic Communication Skills  Blue Print Reading  basic Rigging  Construction Math  basic Carpentry Principles	plans and elevations  Frame & Finishing  OSHA preparation  Concrete applications  Windows and Doors  Stair Construction  Job keeping/seeking  Construction management and Scheduling	Frame & Finishing  Roofing  Thermal and Moisture Protection  Exterior Finishing  Cold Form Steel Framing  Drywall  Trim and hardware  Cabinet Installation/ Fabrication	BCT 102: Construction Safety and Equipment  BCT 103: Construction Hand and Power Tools  BCT 109: Framing Principles  BCT 110: Site Preparation and Layout  BCC 130: Masonry Construction	ARH 102: Basic Architectural Drawing  BCT 119: Blueprint Reading and Specifications  BCT 238: Concrete Construction  BCC 124: Roof Construction  BCC 140: Brick & Stone Construction	ELT 110: Electricity for the Trades  BCC 239: Intro to Commercial Const  BCC 251: Intro to Home Remodel  BCC 236: Interior Finish Materials  PHO 101: Black & White Photography	PLH 255: Plumbing, Heat, & AC for the Trades  BCC 245: Practical Construction  BCC 247: Interior Trim  BCC 249: Construction Estimation & Mgmt  BCC 250: Computers in Construction
<b>English</b>	College Prep English I	College Prep English II	College Prep English III	College Prep English IV			ENL 010: Communications	
<b>Math</b>	Algebra I	Algebra II	Geometry	College Prep Math (recommended)	MTH 011: Career Math			

<b>Science</b>	Biology	Chemistry	Physics					
<b>Humanities</b>	Civics	American History	World Studies					
<b>Other Required Courses/ Electives</b>	Foreign Language I (recommended)	Foreign Language II (recommended)						