



Program of Study (POS) <sup>1</sup>: Building Trades

Classification of Instructional Program (CIP): 46.0401

Topic	Information	Resources
<b>Classroom tests</b>	Quizzes given when necessary; tests administered at the end of chapters (usually 5 per period)	RCA Construction Textbooks NCCER Core Curriculum Textbook
<b>Midterm and/or final exams</b>	NOCTI: State assessment test for 12 <sup>th</sup> grade students who are eligible concentrators	www.nocti.org
<b>Industry certification tests and costs <sup>2</sup></b>	Pennsylvania Builders Association (free) NCCER Core Curriculum (free)	www.pabuilders.org www.nccer.org
<b>Number of books</b>	Multiple: <i>Residential Construction Academy</i> books will be provided throughout course	http://solutions.cengage.com/Residential-Construction-Academy/
<b>Direct instruction (%)</b>	25%	Theory Room, projector, white board. Etc.
<b>Cooperative education</b>	Available to those who qualify, typically 12 <sup>th</sup> graders in their second or third years whose attendance, conduct, and grades are above average	Lori Warabow, Work Based Learning Coordinator: 412.469.3200, x 2542
<b>Homework</b>	Periodically for all students or differentiated for remediation and enrichment purposes	
<b>Task list</b>	Program of study task grid for CIP 46.010	<a href="http://www.education.pa.gov">www.education.pa.gov</a> (Search CIP POS task list)
<b>Prerequisites</b>	Completion of grade level 9; grades of “C” or better in academic subjects; strong interest in building trades	
<b>Reading levels</b>	End of 9 <sup>th</sup> grade level	
<b>Math levels</b>	End of 9 <sup>th</sup> grade level	
<b>Program requirements and related costs (required and optional)</b>	Required uniform: Work boots (steel toes not required), Approx. \$40-\$70 Clean natural fiber pants or 12oz. denim Approx. \$20 Clean T-shirt (no sleeveless shirts). Approx. \$20	
<b>Dual enrollment</b>	Not at this time	
<b>Articulation agreements</b>	Community College of Allegheny Commonwealth Technical Institute	PDE: <a href="http://www.education.pa.gov">www.education.pa.gov</a> (search “SOAR”)
<b>Essential aptitudes and skills</b>	Strong math, problem-solving, and trouble-shooting skills are essential to this POS. Students must be able to work as part of a team, climb ladders, lift moderately heavy objects, maintain tight grips on high torque power tools, work at ground level and overhead, communicate effectively with others to ensure safety, and read schematics accurately.	

<b>Work environment</b>	Danger of electrical shock, rotary power tools: therefore no jewelry may be worn while working in the shop; dusty; some chemicals; inclement weather conditions (hot/cold, warm/dry, wet/muddy indoors and outdoors)	OSHA/BT shop rules
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1. Cosmetology (12.0401) is classified as a technical preparation program.
2. Detailed information may be provided upon acceptance to this program.