



Program of Study (POS) ¹: Building Trades

Classification of Instructional Program (CIP): 46.0401

Topic	Information	Resources
Classroom tests	Quizzes given when necessary; tests administered at the end of chapters (usually 5 per period)	RCA Construction Textbooks NCCER Core Curriculum Textbook
Midterm and/or final exams	NOCTI: State assessment test for 12 th grade students who are eligible concentrators	www.nocti.org
Industry certification tests and costs ²	Career Safe OSHA 10 (free) Pennsylvania Builders Association (free) NCCER Core Curriculum (free)	Careersafeonline.com www.pabuilders.org www.nccer.org
Number of books	Multiple: <i>Residential Construction Academy</i> books will be provided throughout course	http://solutions.cengage.com/Residential-Construction-Academy/
Direct instruction (%)	25%	Theory Room, projector, white board. Etc.
Cooperative education	Available to those who qualify, typically 12 th graders in their second or third years whose attendance, conduct, and grades are above average	Work Based Learning 412.469.3200, x 2542
Homework	Periodically for all students or differentiated for remediation and enrichment purposes	
Task list	Program of study task grid for CIP 46.010	www.education.pa.gov (Search CIP POS task list)
Prerequisites	Completion of grade level 9; grades of “C” or better in academic subjects; strong interest in building trades	
Reading levels	End of 9 th grade level	
Math levels	End of 9 th grade level	
Program requirements and related costs (required and optional)	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	
Dual enrollment	Not at this time	
Articulation agreements	Community College of Allegheny Commonwealth Technical Institute	PDE: www.education.pa.gov (search “SOAR”)
Essential aptitudes and skills	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.	

Work environment	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.