

The School of Construction Trades

Building Trades I & II

Utility/Heavy Construction

Industrial Welding I & II

The *FIRST* Governor's Career and Technical Academy offers a program of study through *The School of Construction Trades* that is designed to expand options for students to acquire STEM (Science, Technology, Engineering and Mathematics) literacy and other critical skills, knowledge and credentials that will prepare them for high-demand, high-wage, and high-skill careers.

"Increasingly, our workers must strengthen their knowledge in science, technology, engineering and math to remain competitive in the global economy."

GOVERNOR TIM KAINE — JULY 2, 2007

The program of study for *The School of Construction Trades* will prepare students for a seamless transition to post-secondary education and/or the workforce through:

- Integration of academics and CTE
- Monthly focus sessions
- Enhanced career planning/development
- Participation in an industry-based Completer Project
- Participation in work-based learning models
- Industry credential opportunities
- Post-secondary transition agreements



Put your future FIRST!

For more information or to obtain an application package, see your counselor or visit www.prudencenter.net.



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The School of Construction Trades



Fostering
Innovation
and Relevance
through STEM
and Trades



PRUDEN CENTER
FOR INDUSTRY & TECHNOLOGY

SUFFOLK, VIRGINIA
www.prudencenter.net

Building Trades I & II

If you want to enrich the community and lives of individuals through building and planning, enjoy working outdoors, and are good at math and technical drawing, a career in building trades may be right for you!

The Building Trades program is a two (2) year program that prepares students to enter the workforce upon graduation and/or continue training through post-secondary education programs at the apprentice, certificate, associate's or baccalaureate level. Training is received in Carpentry, Plumbing, Electrical and Masonry applications.

VIRGINIA CAREER OUTLOOK

Through 2016, the Bureau of Labor Statistics projects a 10.5% increase in employment opportunities for Carpenters, a 9% increase for Brick Masons, a 9.7% increase for Plumbers, and an 8.5% increase for Electricians. A 9.6% increase in employment opportunities is projected for Construction/Excavation Equipment Operators. Additionally, an 11% increase in employment opportunities is projected for Welders, Cutters and Brazers!

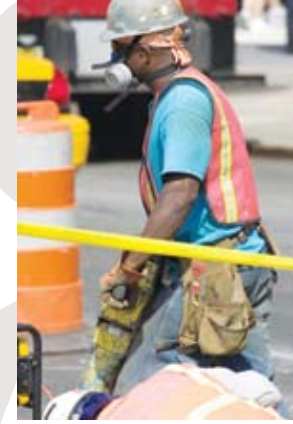


Utility/Heavy Construction

If you want to improve your community, enjoy working independently, have a strong sense of responsibility, possess good eye-hand-foot

coordination, and work well in an outdoor setting, a career in utility/heavy construction may be right for you!

The **Utility/Heavy Construction** program is a one (1) year program that prepares students for entry-level employment and/or for entry into post-secondary education programs. As a component of the program, students will have the opportunity to qualify for several industry certifications including Forklift and NCCER (National Center for Construction Education and Research) Certification.



Welding I & II

If you want to participate in the building of large equipment, air craft carriers, or even projects on a smaller scale, enjoy working independently, are highly attentive to detail, can problem-solve, and work in a variety of settings, a career in the welding industry may be right for you!

The **Welding** program is a two (2) year program that prepares students for entry-level employment and/or for entry into a post-secondary education programs at the apprentice, certificate, or associate's level. As a component of the program, students will have the opportunity to qualify for AWS (American Welding Society) certification in the SMAW process.

*Applying to **The School of Construction Trades** — FIRST Governor's Career and Technical Academy initiative can put you on the pathway to success. Ideally, planning for success begins in middle school, but it's never too late to begin planning. The chart below outlines a plan of action which will prepare you for an exciting career in construction!*

Grades 7-8	Grades 9-10	Grades 11-12	Post-Secondary Education	Workforce
<ul style="list-style-type: none"> • Career Exploration Activities • Exploratory CTE Courses • STEM Summer Academy • Development of the Secondary Component of the Career Development Plan 	<ul style="list-style-type: none"> • Introductory/Pre-requisite CTE and Academic Courses • Development of the Post-Secondary Component of the Career Development Plan 	<ul style="list-style-type: none"> • Optional Advanced Placement/Dual-Credit Academic Courses • Monthly Focus Sessions • Industry Credentialing/Certification — AWS or NCCER • Public Works Academy (PWA) • Work-Based Learning Experiences • Participation in SkillsUSA Activities 	<ul style="list-style-type: none"> • Apprenticeship • Certificate of Career Studies • Associate's Degree • Baccalaureate Degree 	<p>Building Trades Program</p> <ul style="list-style-type: none"> • Carpentry, Plumbing, Electrician, or Masonry Apprentice • Commercial/Residential Construction Crew or Foreman • Inspector • Architect/Drafter <p>Utility/Heavy Construction Program</p> <ul style="list-style-type: none"> • Excavation Crew Member • Demolition/Debris Hauler • Forklift Operator • Public Works Employee <p>Industrial Welding Program</p> <ul style="list-style-type: none"> • Welder • Welding Apprentice • Fitter • Shop Owner

GET SKILLED TODAY — BENEFIT TOMORROW!