

The Henrico County Advanced Career Education (ACE) Centers offer training opportunities in the following areas for the 2016-2017 school year:

ADVANCED CAREER EDUCATION (ACE) CENTER at HERMITAGE
804-756-3020

- | | |
|--|--------------------------------|
| Air Cond., Refrigeration & Plumbing | Graphic Communications |
| Automotive Technology | Greenhouse Management |
| Barbering | Landscaping |
| CAD - Computer-Aided Drafting & 3D Animation | Legal Systems Administration |
| Cosmetology | Medical Systems Administration |
| Criminal Justice | Nurse Aide |
| Culinary Arts | Practical Nursing I |
| Diesel Technologies | Precision Machining Technology |
| Electricity & Cabling | Sports Medicine |
| Emergency Medical Technician | Veterinary Assistant |
| | Web Development/Programming |

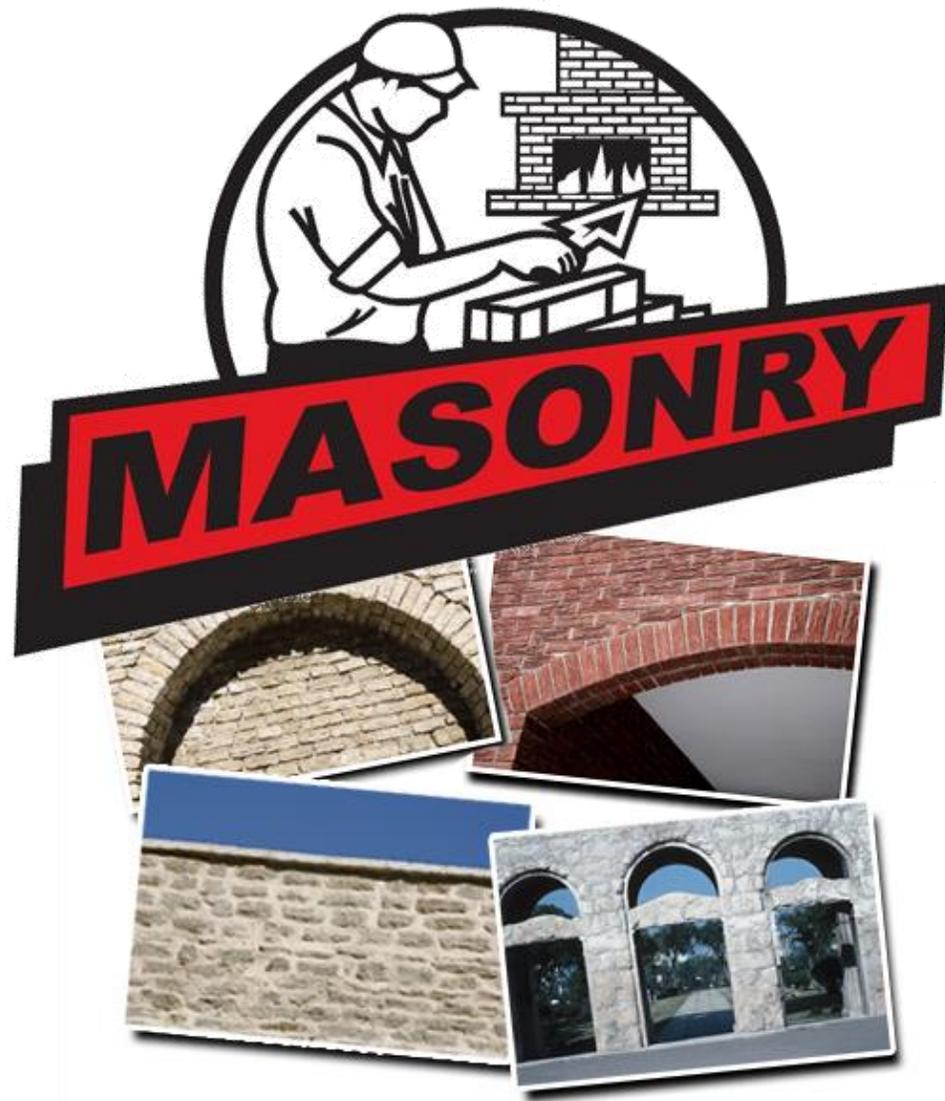
ADVANCED CAREER EDUCATION (ACE) CENTER AT HIGHLAND SPRINGS
804- 328-4075

- | | |
|--------------------------------------|---------------------------------|
| Auto Body Repair | Electricity & Cabling |
| Automotive Technology | High Tech Academy |
| Carpentry | Tourism Marketing and Sales |
| Computer Systems Technology | Masonry |
| Cosmetology | Nurse Aide |
| Criminal Justice | Pharmacy Technician |
| Early Childhood Education & Services | Practical Nursing I |
| | Radio Broadcasting & Journalism |

Henrico County Public Schools does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or provision of programs, services, or activities. Reasonable accommodation will be provided upon request for individuals with disabilities.

For additional information, please contact a counselor in your school or write or call:

*Career and Technical Education Department
Henrico County Public Schools
3751-C Nine Mile Road, Henrico, VA 23223-0420
(804) 781-1810
HENRICOCTE.COM*



MASONRY I**Course No. 8512****Elective****36 Weeks - 3 Credits****Prerequisite: Recommendation of Counselor**

The first-year masonry student learns to use, care for, and handle safely the tools, machines, equipment, and materials commonly used in the masonry trade. This involves laying brick to the line and construction of corners and walls of buildings. Students may participate in the construction of a house. Students will have the opportunity to earn the 10-hour OSHA certification.

**MASONRY II****Course No. 8513****Elective****36 Weeks - 3 Credits****Prerequisite: Masonry I**

The second-year student refines his or her technique of bricklaying in construction of chimneys, steps, and other more complex projects. Throughout the course, neatness, good work habits, and continued observation of safety rules are stressed to prepare the student mentally and physically for a successful career. Students will continue to participate in the construction of a house.

Major Units of Study

1. Safety
2. Care and use of masonry tools
3. Blueprint reading and layout
4. Mortar mixes
5. Constructing walls and corners
6. Constructing piers and chimneys
7. Ornamental brick and block work
8. Estimating materials

Desirable Aptitudes and Courses

Students should be those who have a genuine interest in the masonry construction trade. They should be willing to do work that requires a lot of energy and attention to detail. Students should have basic mathematics and English skills. Basic drafting skills are encouraged.

Employment Opportunities

Jobs are available in the construction of residential and commercial buildings as bricklayers and helpers. The need for workers in the masonry trades is expected to increase due to vast and rapid expansion in construction projects. Workers in this field are employed in every city, town and community throughout the USA and the world.

The mason's salary is ranked high among the pay scales of craftsmen. Wages vary according to location, individual skills, experience and motivation.

Certification

OSHA 10-Hour
National Center for Construction Education and Research
(NCCER)