

EDUCATION, EMPLOYMENT & EARNINGS: ANALYZING DATA FROM ARCHITECTURE AND CONSTRUCTION

This Cluster Analysis of *Architecture and Construction* in the Commonwealth highlights information important to each of the three pathways—Construction, Operations/Maintenance, and Design/Pre-Construction—included in this career cluster.

What trends do we currently see? What trends may we anticipate?

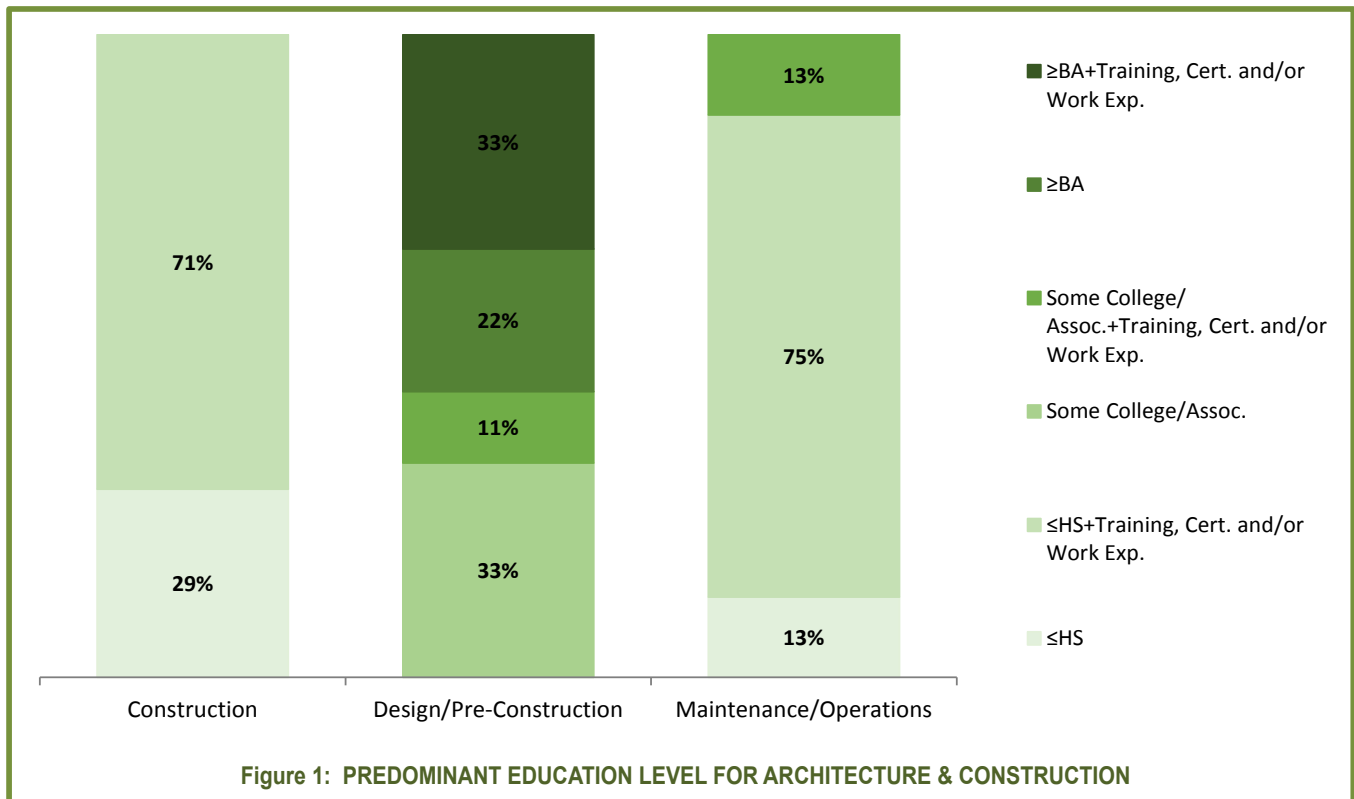
- *Design/Pre-Construction*, a pathway comprised of occupations such as Cost Estimators, Landscape Architects, and Surveying and Mapping Technicians, is the pathway drawing on the greatest variety of educational experiences—including on-the-job training and certification.
- *Construction* is the pathway with the highest number of employment opportunities. In 2022, there are projected to be over 32,000 construction laborers alone in Virginia—and over 21,000 electricians.
- Employment opportunities in the Architecture and Construction Cluster are projected to increase at least as fast, if not faster, than opportunities in all occupations in the Commonwealth as a whole.
- 10,535 annual average job openings are expected between 2012 and 2022 due to growth and net replacements across the cluster.

18%

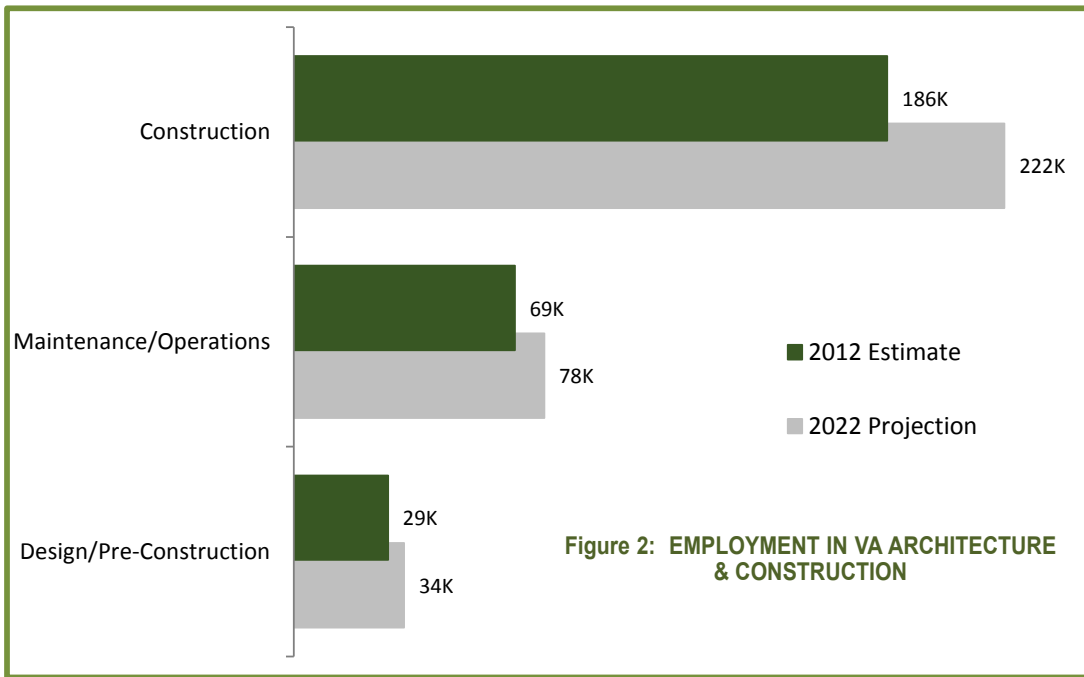
Expected growth in Architecture and Construction jobs by 2022.

EDUCATION

Figure 1 shows the predominant level¹ of education and training in each pathway. Education classification is determined by Trailblazers, based on US Bureau of Labor Statistics occupational education and training data.



Footnote 1: Reflects predominant education by the number of occupations in each pathway, not the number of workers



EMPLOYMENT

Figure 2 compares the estimated 2012 employment for each pathway to projected 2022 employment levels.

Data are provided by the Virginia Employment Commission.

EARNINGS AND GROWTH

Figure 3 presents the size and median wage-earning for the two fastest-growing occupations in each pathway. Wage data are provided by the US Bureau of Labor Statistics' Occupational Employment Statistics program.

