

EDUCATION, EMPLOYMENT & EARNINGS: ANALYZING DATA FROM MANUFACTURING

This analysis of the *Manufacturing* cluster in Virginia highlights data related to four of its career pathways—*Maintenance, Installation, & Repair*; *Manufacturing Production Process Development*; *Production*; and *Quality Assurance*.

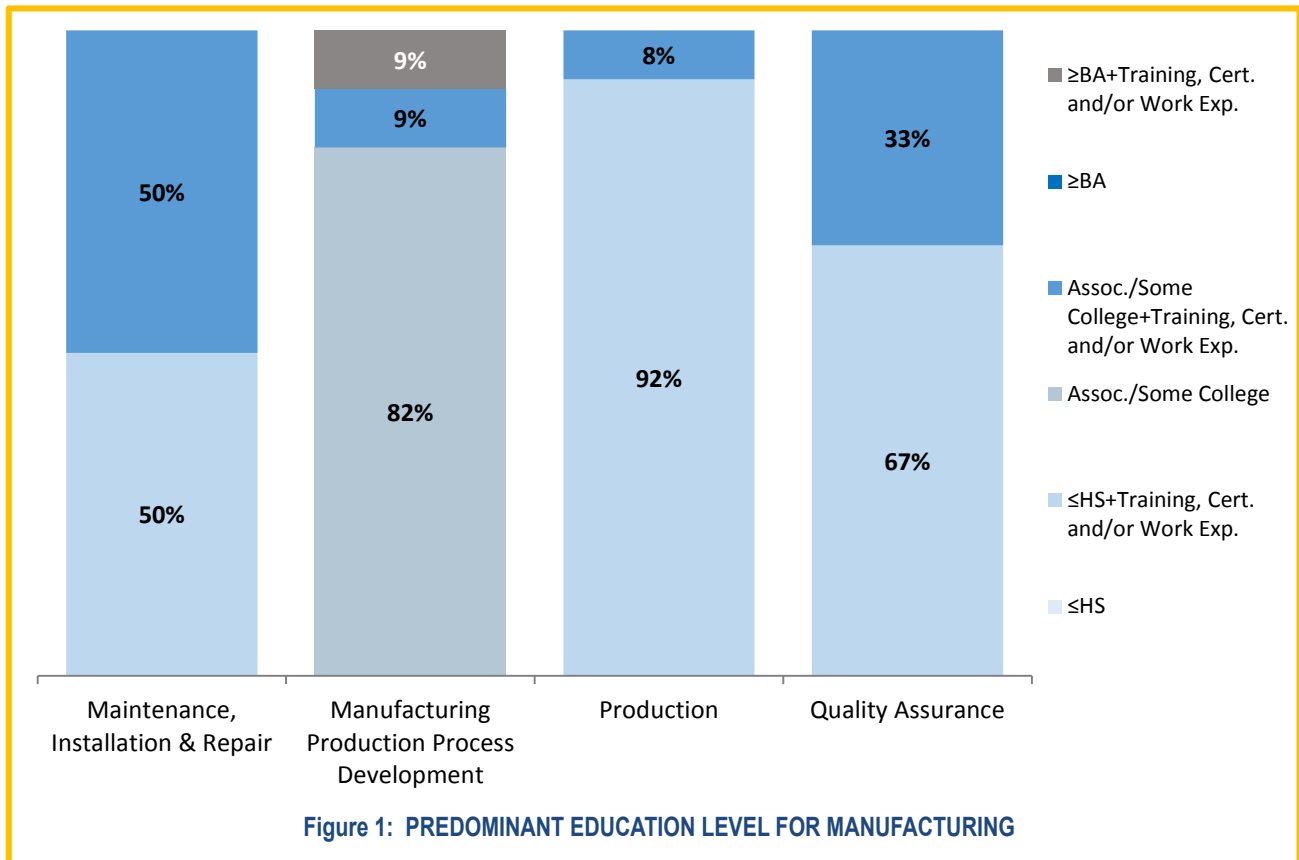
What trends do we currently see? What trends may we anticipate?

- In 2014, about 268,000 jobs were associated with the *Manufacturing* cluster state-wide, and about 3,000 new positions are expected by 2024. Despite a job growth rate of only 1 percent over the decade, this cluster is projected to have about 7,000 job openings annually as a result of both job growth and net replacement of employees who leave their jobs.
- The *Maintenance, Installation, & Repair* pathway is projected to have the highest overall job growth rate through 2024 (9%), while the *Production* pathway is expected to have the greatest number of annual job openings (3,500).
- All but one of the 113 occupations associated with this cluster for employment projection purposes have a predominant education level of associate degree or less.

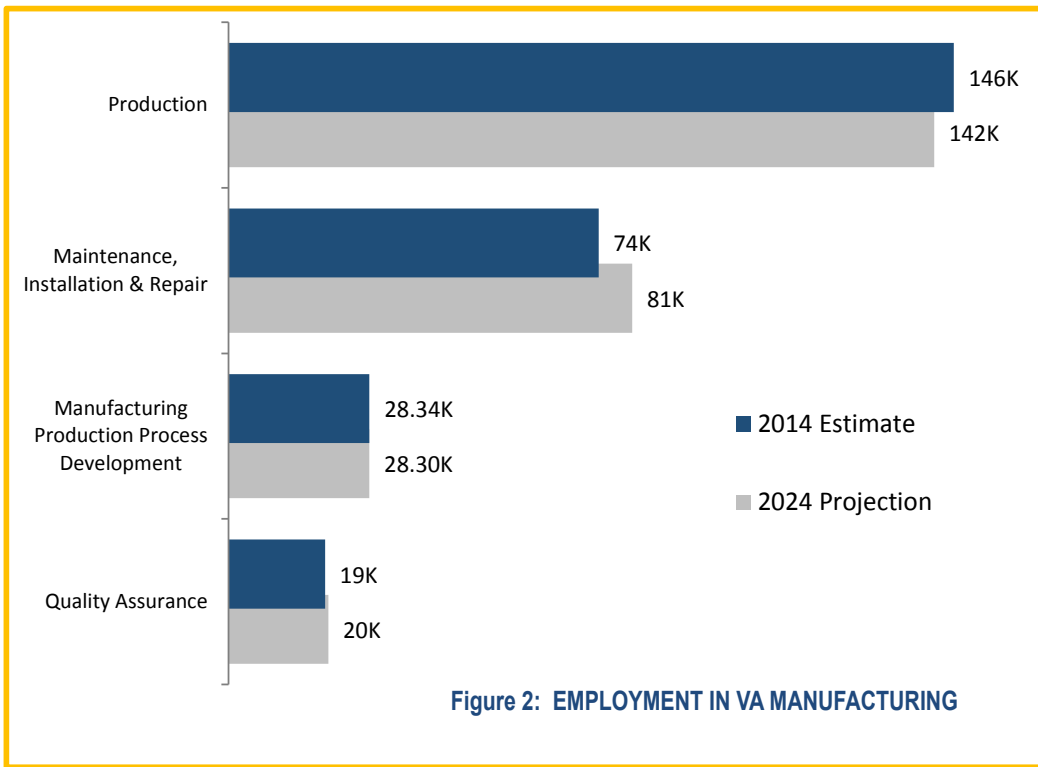


EDUCATION

Figure 1 shows the predominant level¹ of education and training in each pathway. Education data was 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 2014 employment for each pathway to projected 2024 employment levels.

Data are provided by the Virginia Employment Commission.

EARNINGS AND GROWTH

Figure 3 presents the size and median wages of the occupations in each pathway with the highest projected percentage of growth. Wage data are provided by the US Bureau of Labor Statistics Occupational Employment Statistics program.

