

## Minimum formal education

The Occupational Requirements Survey (ORS) publishes job-related information on physical demands, environmental conditions, education, training, and experience, as well as cognitive and mental requirements. The job requirements reflect those necessary for workers to perform critical tasks in support of the critical job functions. The ORS provides information on the formal minimum education required to perform jobs, not the educational attainment of workers. For example: if a job requires a bachelor's degree, but workers performing the job hold higher degrees such as a Ph.D., the estimates reflect the job requirement of a bachelor's degree.

Minimum formal education requirements are one of four components used to calculate an occupation's *specific vocational preparation*, or SVP. The SVP is determined by the amount of preparation time required by the job and includes credentials, prior work experience, minimum formal education requirements, and on-the-job training.

General education requirements are not included in SVP since they are not relevant to any specific occupation. The minimum formal education requirements and the vocational time included in the SVP are shown below:<sup>1</sup>

**Table 1. Minimum formal education requirements**

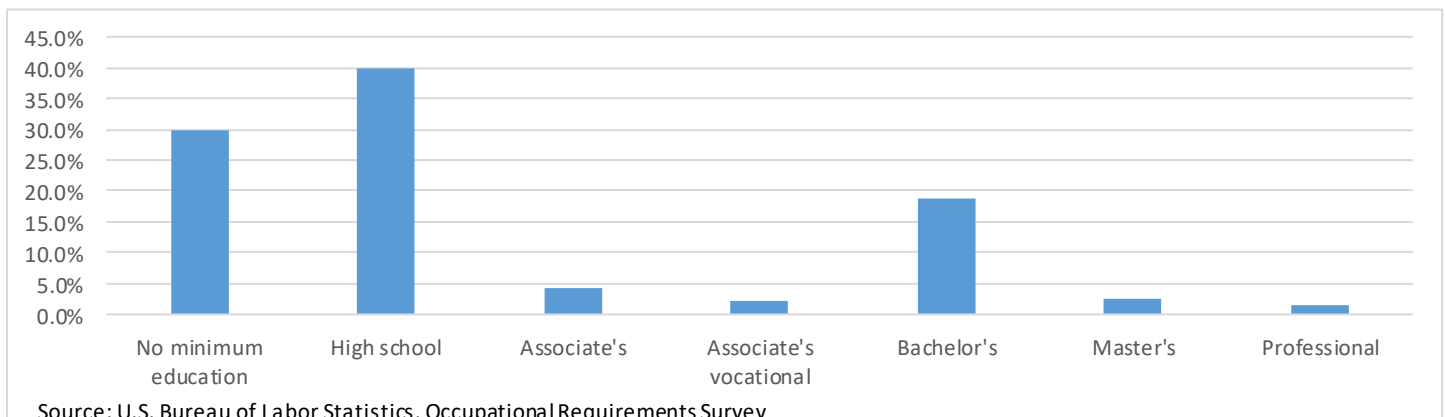
Minimum education requirement	Vocational time included in SVP <a href="#">[1]</a>
No formal education required	None
High school	None
Vocational high school	2 years
Associate's	1 year
Vocational associate's	2 years
Bachelor's	2-3 years
Master's	All post graduate years (usually 1-2 years) plus 2 years of bachelor's
Professional	All post graduate years (usually 2-4 years) plus 2 years of bachelor's
Doctorate	6 years (4 years post-graduate plus 2 years of bachelor's)

Footnotes:  
[\[1\]](#) See the ORS Collection Manual for more detail regarding vocational time included in SVP for minimum education requirements  
 Source: U.S. Bureau of Labor Statistics, Occupational Requirements Survey

As shown in Table 1, the time required to complete incidental degrees is included in each education requirement. For example, if a job requires a master's degree, workers would have incidentally obtained a bachelor's degree. In this example, SVP would include both the time required to complete a master's degree as well as the time required to complete a bachelor's degree.

Minimum formal education estimates only include the degree requirement and not incidental degrees. So, when a job requires a master's degree, it is only reflected in the master's degree requirement and not in the lower degree requirements. In 2021, 30 percent of civilian workers had no minimum education requirement, and a high school diploma was required for 39.8 percent.

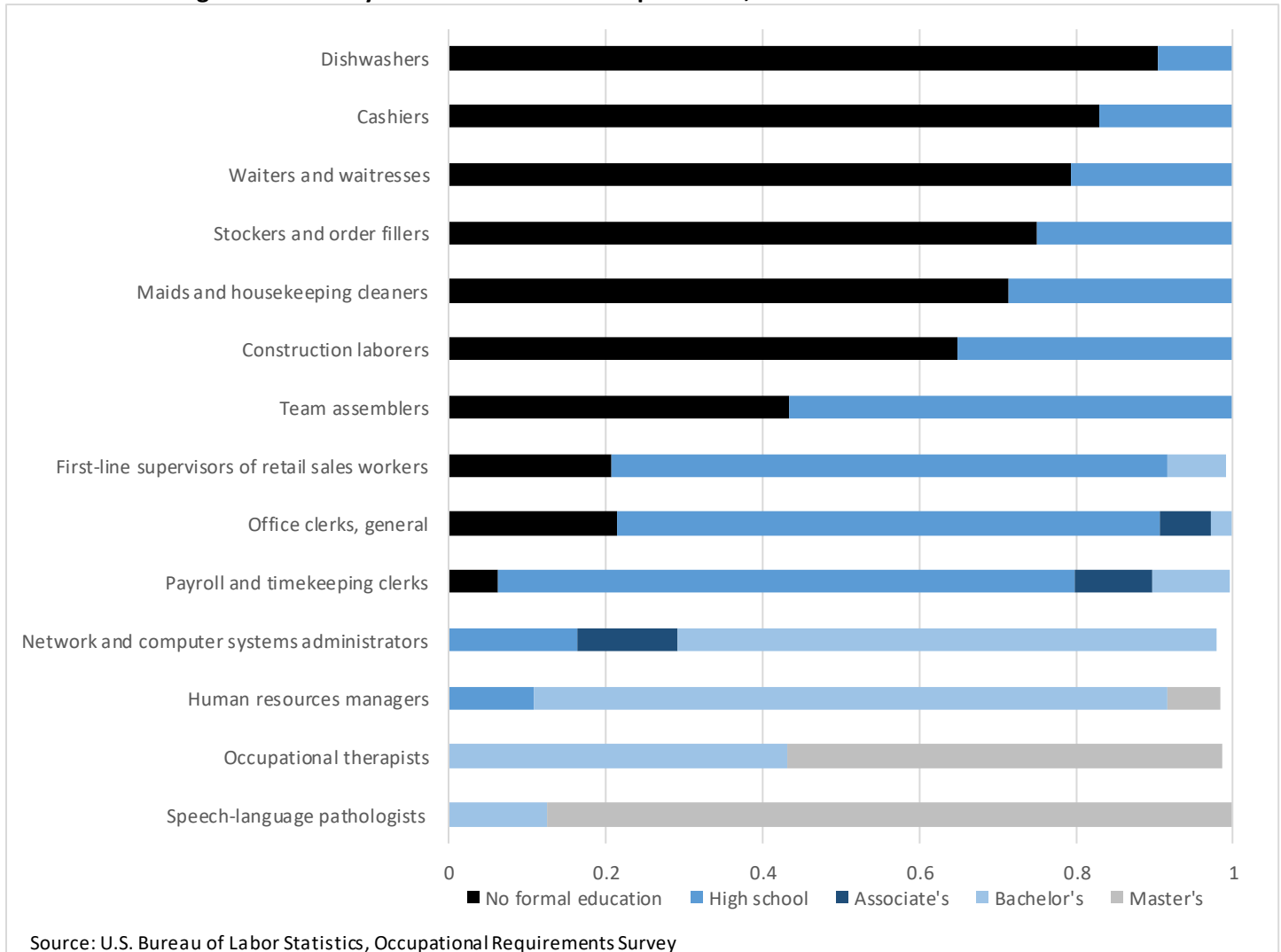
**Chart A. Percentage of civilian workers by minimum education requirement, 2021**



Not all minimum formal education requirements will be published for each occupation. While civilian workers and occupational groups may include workers in most education levels, at the detailed occupations fewer education levels may be published either because there are no workers with that job requirement, or the estimate fails publication criteria.

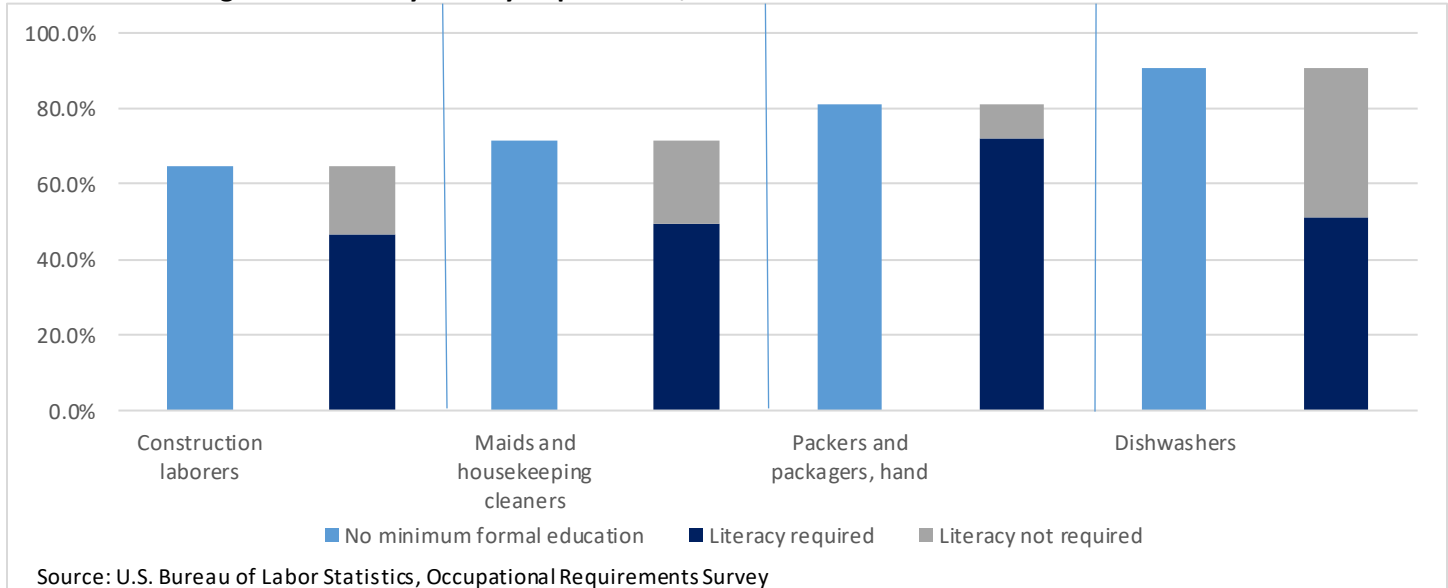
Sometimes, information about the distribution of minimum education requirements can be understood even when certain requirements are not published. For example, cashiers only had two publishable estimates: 83.1 percent of workers had no minimum education requirement, and a high school diploma was required for 16.9 percent. Together they sum to 100 percent of workers, which explains why there are no other estimates available for this occupation.

**Chart B. Percentage of workers by minimum education requirement, 2021**



When there are no minimum education requirements, the ORS publishes whether literacy is required. The estimates for literacy required and not required sum to the percentage of workers with no minimum education requirement. For example, 90.6 percent of dishwashers had no minimum formal education requirement in 2021. Of these workers, literacy was required for 50.9 percent and not required for 39.7 percent

Chart C. Percentage of workers by literacy requirement, 2021



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For additional information on occupational requirements see the [ORS homepage](#) or download the [ORS complete dataset](#) to explore the latest estimates.

<sup>1</sup> For more information see the [ORSCollection Manual](#).