



## Aircraft mechanics and service technicians

Diagnose, adjust, repair, or overhaul aircraft engines and assemblies, such as hydraulic and pneumatic systems.

## Cognitive and mental requirements

The qualifications that workers need to use judgement, make decisions, interact with others, and adapt to changes in jobs.

**Table 1. Percentage of aircraft mechanics and service technicians with cognitive and mental requirements, 2024**

Requirement	Yes	No
<b>Adaptability: Work schedule variability</b>	55.0	45.0
<b>Pace: Pause control</b>	43.1	56.9
<b>Telework</b>	<0.5	>99.5
<b>Work review: Presence of supervisor</b>	58.9	41.1
<b>Work review: Supervising others</b>	<10	>90
<b>Working around crowds</b>	<0.5	>99.5

Source: U.S. Bureau of Labor Statistics, Occupational Requirements Survey

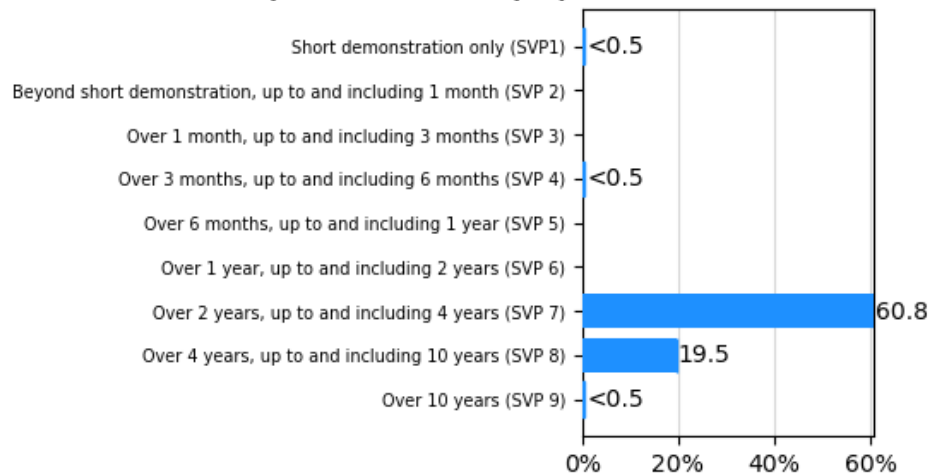
## Education, training, and experience requirements

The minimum level of formal education required, credentials necessary, on-the-job training, and prior work experience necessary for average performance in jobs.

In 2024, on-the-job training was required for 66.0 percent of aircraft mechanics and service technicians.

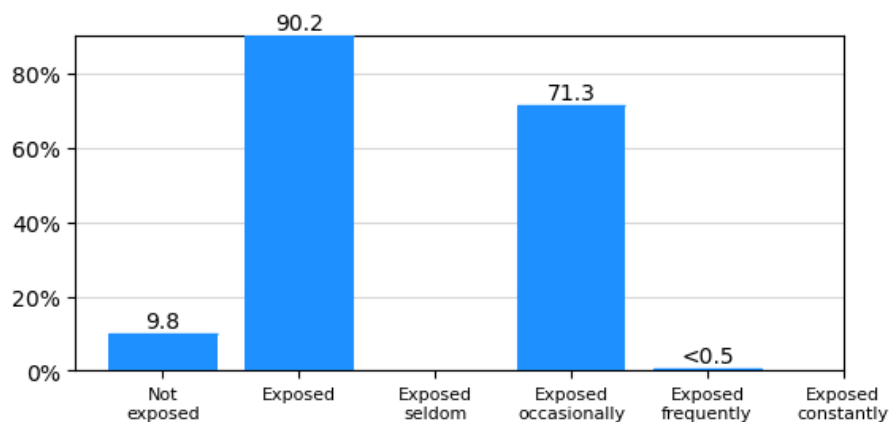
A high school diploma was required for 91.1 percent of aircraft mechanics and service technicians.

**Chart 1. Percentage of aircraft mechanics and service technicians by specific vocational preparation (SVP) level, 2024**



Note: Striped bars represent range estimates where precise value is unpublished.  
Source: U.S. Bureau of Labor Statistics, Occupational Requirements Survey

**Chart 2. Percentage of aircraft mechanics and service technicians with outdoor exposure and duration, 2024**



Note: Striped bars represent range estimates where precise value is unpublished.  
Source: U.S. Bureau of Labor Statistics, Occupational Requirements Survey

## Environmental conditions

The various tangible or concrete hazards or difficulties that are in the vicinity of where jobs' critical tasks are performed.

In 2024, greater than 99.5 percent of aircraft mechanics and service technicians were not exposed to extreme cold, and greater than 70 percent were not exposed to extreme heat. Wetness was not present for 28.8 percent, greater than 95 percent were not exposed to heavy vibrations, and 9.8 percent were not exposed to the outdoors.

## Physical demands

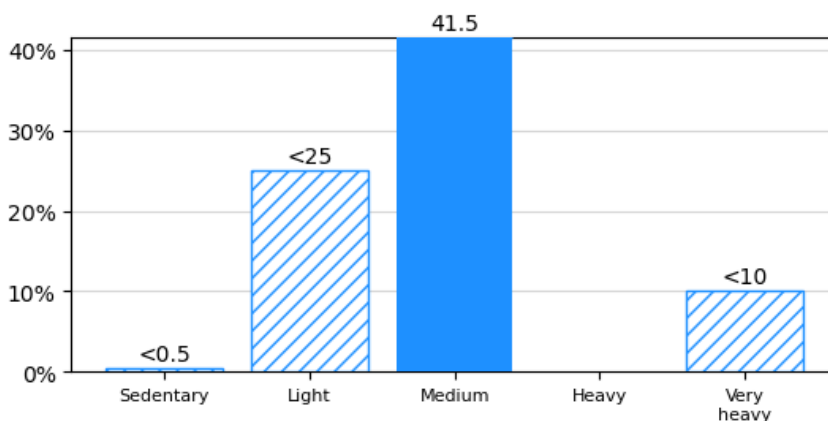
Refer to the physical activities required to perform tasks in jobs. The presence and, in some cases, duration of these activities are published.

In 2024, reaching at or below the shoulder was required for greater than 99.5 percent of aircraft mechanics and service technicians and was not required for less than 0.5 percent. For less than 25 percent of workers, reaching at or below the shoulder was seldom performed, for 78.2 percent reaching at or below the shoulder occurred occasionally, 13.4 percent frequently, and for less than 0.5 percent reaching at or below the shoulder occurred constantly.

Performing work in low postures was required for greater than 90 percent of aircraft mechanics and service technicians and was not required for less than 10 percent.

On average, aircraft mechanics and service technicians spent 28.3 percent of the workday sitting and 71.7 percent of the workday standing.

**Chart 3. Percentage of aircraft mechanics and service technicians by strength level requirements, 2024**



Note: Striped bars represent range estimates where precise value is unpublished.  
Source: U.S. Bureau of Labor Statistics, Occupational Requirements Survey

**Table 2. Percentage of aircraft mechanics and service technicians with physical demands, 2024**

Requirement	Yes	No
Choice of sitting or standing	<10	>90
Climbing structure-related ramps or stairs	<5	>95
Driving	53.6	46.4

Source: U.S. Bureau of Labor Statistics, Occupational Requirements Survey