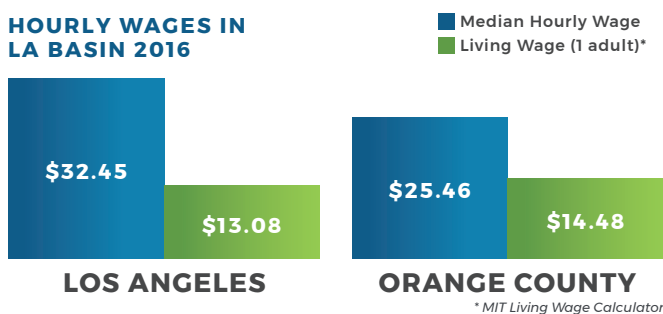


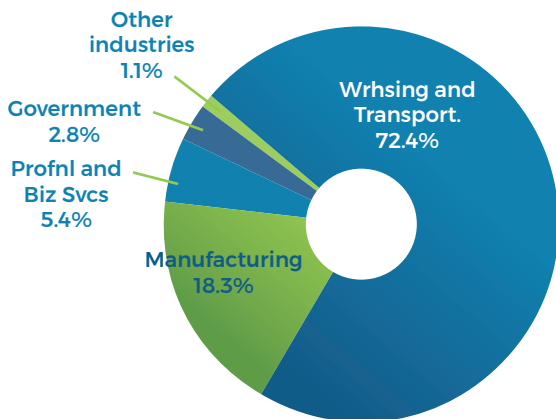
Aircraft Mechanics and Service Technicians (SOC 49-3011)

Aircraft mechanics and service technicians are identified as a middle-skill occupation. They diagnose, adjust, repair, or overhaul aircraft engines and assemblies, such as hydraulic and pneumatic systems. Includes helicopter and aircraft engine specialists.

HOURLY WAGES IN LA BASIN 2016



INDUSTRY DISTRIBUTION



Industry Distribution:

Aircraft mechanics and service technicians are hired across a number of different industries. These industries are where individuals who have acquired the necessary training and skills may seek employment opportunities post-program. Warehousing and transportation hires the most workers in this occupation in the LA Basin. The three industry subsectors who employ the largest number of aircraft maintenance directors, technicians and mechanics in the LA Basin are:

- Support activities for transportation (NAICS 488)
- Air transportation (NAICS 481)
- Transportation Equipment (NAICS 336)

Jobs in LA Basin
5,250
in 2016

Total Openings
650
2016 to 2021

At A Glance

Projected Openings 2021:

- 650 Total Openings (5-yr)
- 20 Net Job Change
- 630 5-yr Replacements

Community Colleges Supply:

- 217 awards
- 3 Programs
- 4 colleges

Technology:

- Analytical or scientific software
 - CaseBank SpotLight; CynapSys Virtual DER; Engine analysis software
- Data base user interface and query software
 - Pentagon 2000SQL; Sacramento Sky Ranch Mechanic's Toolbox
- Facilities management software
 - Access Software AIRPAX
- Information retrieval or search software
 - Computerized aircraft log manager CALM
- Spreadsheet software

Sources: BLS OES, O*NET, LAEDC

Core Tasks and Importance:

- 89** Examine and inspect aircraft components, including landing gear, hydraulic systems, and deicers to locate cracks, breaks, leaks, or other problems.
- 87** Conduct routine and special inspections as required by regulations.
- 87** Inspect completed work to certify that maintenance meets standards and that aircraft are ready for operation.
- 87** Read and interpret maintenance manuals, service bulletins, and other specifications to determine the feasibility and method of repairing or replacing malfunctioning or damaged components.
- 87** Maintain repair logs, documenting all preventive and corrective aircraft maintenance.
- 86** Modify aircraft structures, space vehicles, systems, or components, following drawings, schematics, charts, engineering orders, and technical publications.

Worker Characteristics

The demographics of the workforce provide an additional layer of information to further highlight who is employed in this occupation in the LA Basin:

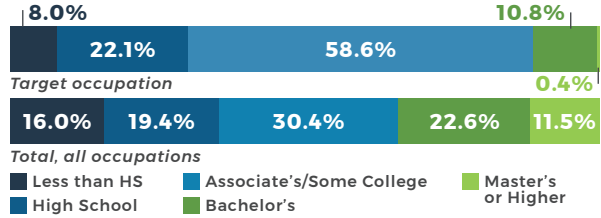
- Most workers have the educational attainment of some college or an associate's degree, accounting for 59 percent of all workers.
- A larger share of workers are ages 25-54 years in this occupation compared to the regional average.
- The workforce in this occupation is predominantly Hispanic or White.
- The workforce is predominantly male, accounting for 95 percent of all workers.

Related Occupations

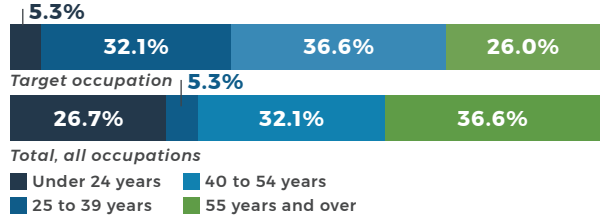
Individuals with similar skill sets that are transferable with retraining or additional training being offered:

- **SOC 49-9071** Maintenance and repair workers (6,430 workers),
- **SOC 49-9041** Industrial machinery mechanics (3,750 workers),
- **SOC 17-3029** Engineering technicians (2,540 workers), and
- **SOC 17-3027** Mechanical engineering technicians (1,690 workers).

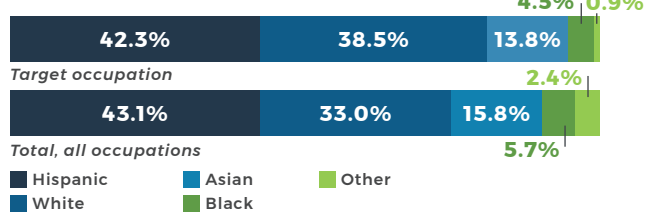
EDUCATIONAL ATTAINMENT 2016



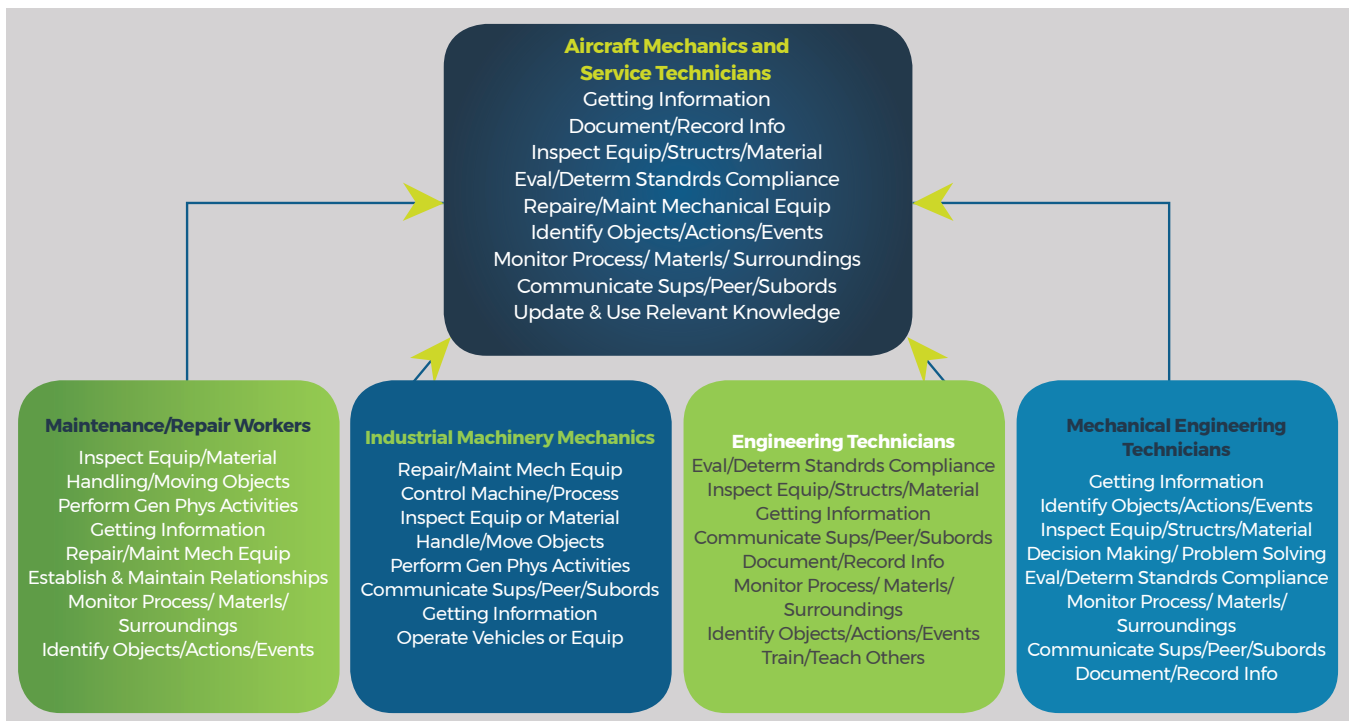
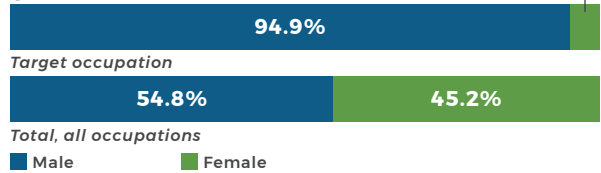
AGE DISTRIBUTION 2016



RACE AND ETHNICITY 2016



GENDER 2016



Sources: U.S. Census Bureau ACS PUMS, O*NET, LAEDC