

MECHANICAL ENGINEERS

NOC 21301

Research, design and develop machinery and systems for heating, ventilating and air conditioning, power generation, transportation, processing and manufacturing.



3-YEAR OUTLOOK

Moderate

3-YEAR JOB OPENINGS

51

MEDIAN HOURLY WAGE

$45.67

$31.25 LOW

$82.05 HIGH

TYPICALLY REQUIRED

University

EMPLOYED

898

AVERAGE SALARY

$102,000



EMPLOYMENT BY INDUSTRY

30.3%	Professional, scientific and technical services
27.3%	Manufacturing
19.7%	Utilities
22.7%	All Other Industries



EMPLOYMENT BY AGE

3.8%	15-24
35.1%	25-34
25.2%	35-44
16.8%	45-54
15.3%	55-64
3.8%	65+

ALSO KNOWN AS

- Acoustics Engineer
- Automotive Engineer
- Design Engineer - Mechanical
- Energy Conservation Engineer
- Fluid Mechanics Engineer
- Heating, Ventilation And Air Conditioning (HVAC) Engineer

MAIN DUTIES:

This group performs some or all of the following duties:

- Conduct research into the feasibility, design, operation and performance of mechanisms, components and systems
- Plan and manage projects, and prepare material, cost and timing estimates, reports and design specifications for machinery and systems
- Design power plants, machines, components, tools, fixtures and equipment
- Analyze dynamics and vibrations of mechanical systems and structures
- Supervise and inspect the installation, modification and commissioning of mechanical systems at construction sites or in industrial facilities.

