



MECHANICAL ENGINEER

apprentice mechanical engineer, mechanical technician, associate mechanical engineer, senior mechanical engineer, manager, mechanical engineering, acoustics and vibration engineer, building systems engineer, energy conservation engineer, engineer, power generation, hvac (heating, ventilation and air conditioning) engineer, internal combustion engineer, mechanical design engineer, mechanical maintenance engineer, power plant engineer, refrigeration engineer

Mechanical engineers design and build machinery and systems for heating, ventilation and air conditioning, power generation, transportation, processing and manufacturing. Canadian mechanical engineers have delivered many important technological advances for forest industries, including designing harvesting equipment and machinery for pulp and paper production.

As a mechanical engineer, you get to show off your green credentials by maximizing the forest products industry's ability to produce green energy. Co-generation projects, in which sawmills will burn waste wood to generate additional power, are a prime example.

KEY RESPONSIBILITIES



Mechanical engineers perform a wide range of technical functions.

On any given day, you might:

- Conduct economic and technical feasibility studies on the performance of mechanisms, components and systems
- Design power plants, machines, components, tools, fixtures and equipment
- Investigate mechanical failures
- Develop maintenance standards and lead industrial maintenance crews
- Conduct quality control programs
- Supervise technicians and engineers
- Work in administration

EDUCATION AND TRAINING



You have to earn a mechanical engineering degree from a university to work as a mechanical engineer. Students graduating from undergraduate programs in mechanical engineering often choose to become certified as professional engineers. It means you are licensed to practice engineering, and that you're a full-fledged member of the engineering profession. Many mechanical engineering programs offer co-op work experience. This means you can earn money while you're a student and also find out first-hand why choosing a career in the forest products industry is worthwhile.

Here is a complete list of Canadian Universities and Colleges:
thegreenestworkforce.ca/education

Notice

The requirements listed are generally required qualifications for this Career Type. The qualifications may vary based on the employer and/or the geographic location of that job.

THIS JOB IS RIGHT FOR YOU IF:



- You want to live an oversized life in one of Canada's beautiful forest communities
- A sense of community is important to you
- You like variety and learning new things
- You want to make a difference working in a green job
- You like the outdoors
- You are a team player
- You like machines
- You like getting to the root cause of breakdowns

DARE TO COMPARE

See how much time and money you would save by moving to a forest community.

thegreenestworkforce.ca/compare

If you want good pay, opportunities to learn on the job, a great lifestyle and the chance to work in Canada's Greenest Workforce, then the forest products industry is right for you.