



MECHANICAL ENGINEER

OTHER JOB TITLES: *mechanical design engineer, power generation engineer, power plant engineer, refrigeration engineer, HVAC (heating, ventilation and air conditioning) engineer.*

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.

Why green? The forests are a renewable natural resource and the Canadian forest products industry is known for its world-class environmental credentials, including having the most certified forests in the world, and cutting more than 70% of its greenhouse gas emissions since 1990.

The industry offers something for everyone. It's an industry with a reputation for investing in skills training and career growth, and no matter what part of the forest products industry you work in - on the mill floor as a mechanical engineer, or in the forest as a forestry technician - every job is part of the greenest industry in Canada.

Canadian forest product companies will need to hire 60,000, or more, **new workers by 2020** to meet demand and you could be one of them!

DESCRIPTION

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

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

\$ EARNING POTENTIAL



This is the high end of the Canadian average. In some areas, mechanical engineers with seniority make more than \$65 per hour.

+ BENEFITS MAY INCLUDE

- Apprenticeships
- Career growth
- Daycare
- Dental and medical plans
- Employee assistance plans
- Pensions
- Ongoing training

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

#LIFE'S BETTER HERE

Dare to Compare. See how much time and money you would save by moving to a forest community. Visit thegreenestworkforce.ca/compare