



CHEMICAL ENGINEER

OTHER JOB TITLES: *pulp and paper engineer, environmental chemical engineer, biochemical engineer, chief process engineer, waste treatment 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

Chemical engineers design and develop chemical processes and equipment, in order to transform raw materials into useful products. They also oversee the operation and maintenance of industrial chemical plants. The forest products industry employs chemical engineers in pulp and paper mills.

As a chemical engineer in a pulp and paper mill, you will work closely with technical and operations personnel to monitor and optimize processes. You could also find yourself coordinating projects and trials to increase production, improve quality and reduce costs.

KEY RESPONSIBILITIES

Chemical engineers perform a wide range of technical functions. On any given day, you might:

- conduct economic and technical feasibility studies
- research how to improve chemical engineering processes
- design and test chemical processing and equipment
- 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 science
- you are interested in how things work

\$ EARNING POTENTIAL



This is the high end of the Canadian average. In some areas, chemical engineers with seniority make closer to \$100 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 chemical engineering degree from a university to work as a chemical engineer. Students graduating from undergraduate programs in chemical 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. 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