

Forest Engineer



Photo courtesy of Wisconsin Forestry Center



High School Courses

- Plant Science
- Calculus
- Forestry
- Engineering



Education/Training

- 4-year degree in engineering with a minor in forestry or specific program for forestry engineering



Responsibilities

- Design roads, bridges, and logging infrastructure
- Follow standards and regulations
- Integrate new technologies
- Design equipment and repairs
- Balance company needs with environmental impact



Skills

- Use CAD and other design software
- Understand industry and address complex issues with multiple variables
- Apply mathematics
- Write and speak clearly
- Visualize and solve problems



Abilities/Personality

- Creative
- Independent
- Persistent



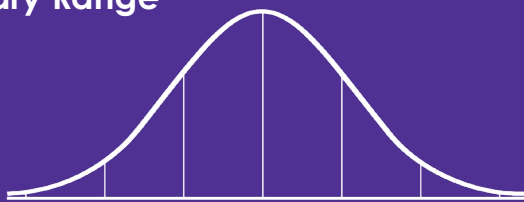
Work Environment

Forest engineers spend a lot of time in the office drafting and revising plans, however sometimes they must head into the forest to test ideas and equipment.

Job Description

Forest engineers are behind the scenes of every forestry operation. Companies have different goals for forest engineers. Some engineers design roads and bridges for logging operations while others design the logging equipment itself. Engineers look for ways to incorporate new technologies to optimize the production and transport of lumber.

Salary Range



\$60,000
Low end

\$90,000
Median

\$150,000
High end

