



# CIVIL ENGINEERING

Is it for you?

## DID YOU KNOW THAT...

Traffic light synchronization and traffic planning are civil engineering specialties.

Beyond roads and bridges, civil engineering expertise is essential to constructing buildings, overhead electric lines, sports centres, water utility networks and much more!

A woman completed the work on the Brooklyn Bridge in New York City, the first steel-wire suspension bridge in the world, when her husband, the chief engineer, fell ill.



Does bridge, dam and road construction excite you?



Do you dream of practicing a creative, pragmatic and humanist profession?



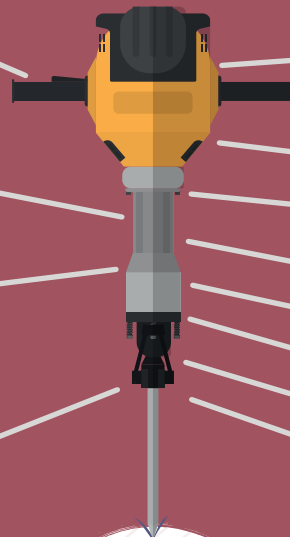
## WHAT DO THESE ENGINEERS DO?

Conduct feasibility studies that take into account environmental and economic constraints before projects are carried out.

Draft application files for authorizations and permits from government authorities.

Optimize the environmental and economic performances of buildings by minimizing energy consumption and promoting sustainable material management.

Inspect sites to monitor the progress of projects and ensure that they are compliant.



## WHERE DO THESE ENGINEERS WORK?

Consulting engineering firms

Builders, developers and general contractors

Specialist contractors

Road, street and bridge construction companies

Public works companies

Academic institutions

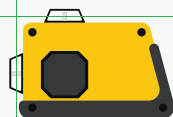
Federal and provincial government

Cities and municipalities

Landscape architecture services (urban planning firms and landscape architecture firms)

## QUEBEC CIVIL ENGINEERING AT THE HEART OF INNOVATION

**3-in-1 laser projector**  
Eliminates the risk of human error, speeds up processes.



**AVERAGE  
SALARY**  
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**Bachelor's degree  
in civil engineering**  
**4 years**



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