

# METAL CONSTRUCTION DESIGN ENGINEER, FEDERAL VET DIPLOMA

Thanks to your work, we benefit from stable metal structures that make our lives easier and safer.

<b>Training duration</b>	4 years with Federal VET Diploma
<b>Specialisations</b>	None
<b>Training locations</b>	<ul style="list-style-type: none"> <li>- In the office</li> <li>- At customers' premises</li> <li>- On construction projects</li> </ul>
<b>College days</b>	<ul style="list-style-type: none"> <li>- 1 – 2 days per week at vocational college</li> <li>- 5 vocational courses</li> </ul>
<b>VET college (BMS) possible</b>	Yes



## Requirements

- Interest in technology
- Enjoy planning and maths
- Visual thinking
- Upper secondary school high level
- Enjoy technical drawing
- Enjoy customer contact and teamwork



## Job

Metal construction design engineers draw up plans for metal, steel and façade construction on the computer, carry out calculations and support the entire planning process from production to installation.

### As well as performing the following tasks:

- Taking measurements on the construction site
- Taking the wishes of building owners and architects into account
- Being the contact person for projects
- Checking work
- Drawing up plans for conservatories, windows and supporting structures
- Preparing documents and material lists
- Ensuring compliance with standards and assuming responsibility for materials purchasing



## Further training and careers

### Further training

- Additional apprenticeship as Metalworker, Federal VET Diploma
- Federal Professional Examination (e.g. Metal Construction Design Engineer with Federal Diploma of Higher Education)
- Advanced Federal Professional Examination (e.g. Qualified Master Metalworker)
- Professional Educational Institution (e.g. Qualified Technician, PEI, in Metalworking)

### Careers

- Installation supervisor
- Production manager
- Team/project/department manager
- Building services engineer
- Sales – Consulting – Support

