

# REFRIGERATION SYSTEM ENGINEER, FEDERAL VET DIPLOMA

As a refrigeration system engineer with Federal VET Diploma, you are a skilled tradesperson who ensures that we can enjoy cool air in summer and keep food fresh.

<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>– Primarily at customers' premises</li> <li>– New-build and conversion projects</li> <li>– Service and maintenance</li> </ul>
<b>College days</b>	<ul style="list-style-type: none"> <li>– 1 day per week at vocational college</li> <li>– 4 vocational courses</li> </ul>
<b>VET college (BMS) possible</b>	Yes



## Job

Refrigeration system engineers install, assemble and commission refrigeration systems. Depending on their focus, they work on cooling systems, heat pumps or air conditioning systems, and are also responsible for their maintenance and repair.

## As well as performing the following tasks:

- Reading assembly plans
- Assembling and installing parts of the refrigeration system
- Cutting, bending, welding and forming alloys
- Routing, connecting, soldering and insulating pipes
- Connecting control systems and electrical devices
- Commissioning the refrigeration system and explaining how it works
- Troubleshooting and repairs



## Requirements

- Interest in technology
- Manual skills
- Understanding of technology
- Upper secondary school high level
- Enjoy being out and about
- Enjoy customer contact and teamwork



## Further training and careers

### Further training

- Additional apprenticeship in related fields (e.g. Refrigeration System Planner, Federal VET Diploma)
- Federal Professional Examination (e.g. Head Refrigeration Fitter)
- Professional Educational Institution (e.g. Qualified Building Technician)
- Professional Educational Institution (e.g. Qualified Energy and Environmental Technician)

### Careers

- Supervising fitter
- Service technician
- Team/project/department manager
- Workshop manager
- Sales – Consulting – Support
- Entrepreneur

