Environmental technician

Collects, analyses and monitors environmental data on air, water, soil and waste to support compliance and help organisations reduce their environmental footprint.



REQUIRED COMPETENCES

Score out of 10 · highlighted bars mark the top score (10)

Human-centric collaboration skills 7
Close cooperation with cross-sectional authorities and specialists

Green skills and sustainability awareness 10
Sustainability and green practices are core competences for the role

Digital fluency and critical thinking 7
Digital monitoring tools, data systems and reporting software are used regularly

Logic thinking and problem-solving 7
Measurements and deviations need to be assessed and analysed correctly

Adaptability and resilience 6
Work conditions can change frequently

Emotional intelligence and empathy 6
Team and stakeholders require constructive communication

Multicultural teamwork and conflict management 6
Cooperation may include diverse teams

Creativity and innovation 6
Requires practical improvements for environmental solutions

Digital ethics and responsibility 7
Accurate and responsible handling of data

Ethical awareness and professional responsibility 9
Directly affects environmental safety, compliance and public trust

DAY-TO-DAY TASKS

1. Collecting environmental samples
2. Monitoring environmental conditions
3. Recording and analysing data
4. Supporting compliance and reporting
5. Cooperating with stakeholders

CHALLENGES

1. Working in varied and sometimes demanding environments
2. Ensuring accuracy under responsibility
3. Keeping up with changing regulations and standards
4. Balancing fieldwork and documentation

CAREER OPPORTUNITIES

Specialise in
- Air and water quality
- Waste management
- Environmental compliance
- Laboratory analysis

Step up
- Environmental specialist
- Sustainability coordinator
- Environmental inspector
- Project supervisor

Move sideways
- Advisory roles on regulatory compliance

Further studies
- Environmental engineering
- Sustainability management
- Environmental science

ALIGNMENT WITH PROCESS INDUSTRIES

Fits 6 of 8 sectors

- ✓ Chemical & petrochemical
- ⊖ Pharmaceuticals: no
- ✓ Petroleum refining
- ✓ Mining & metal production
- ✓ Mineral & material industries
- ✓ Forest industries
- ⊖ Food & beverage: no
- ✓ Utilities

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Lead partner for this avatar: **TRE**

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