

# ENERGY ENGINEER

## DESCRIPTION

Energy engineers design new, efficient and clean ways to produce, transform, and distribute energy to improve environmental sustainability and energy efficiency. They extract energy through natural resources, such as oil or gas, or renewable and sustainable sources, such as wind or solar power.

## REGULATORY ASPECT

To see if and how this occupation is regulated in EU Member States, EEA countries or Switzerland please consult the Regulated Professions Database of the Commission. Regulated Professions Database:

[http://ec.europa.eu/growth/single-market/services/free-movement-professionals/qualifications-recognition\\_en](http://ec.europa.eu/growth/single-market/services/free-movement-professionals/qualifications-recognition_en)



## TECHNICAL SKILLS

### ESSENTIALS

- ✓ adjust engineering designs
- ✓ approve engineering design
- ✓ perform scientific research

READ MORE +

### OPTIONALS

- ✓ adapt energy distribution schedules
- ✓ adjust voltage
- ✓ advise on environmental remediation

READ MORE +

## KNOWLEDGE

### ESSENTIALS

- ✓ energy
- ✓ energy market
- ✓ engineering principles

READ MORE +

### OPTIONALS

- ✓ CAD software
- ✓ automation technology
- ✓ design drawings

READ MORE +

## SOFT SKILLS



ADAPTABILITY

25%



CONFLICT RESOLUTION

25%



CRITICAL THINKING

50%



PROBLEM SOLVING

25%



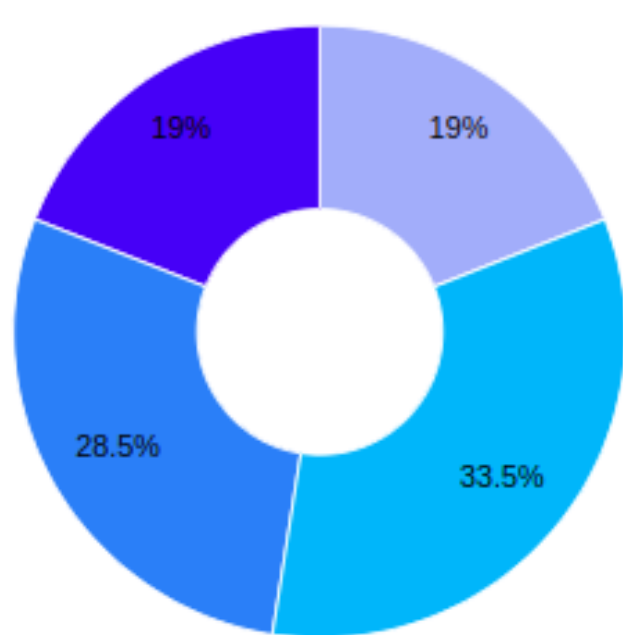
TIME MANAGEMENT

25%



WORK ETHIC

25%



- Social and linguistic skills
- Digital Skills
- Communication skills
- Organisation/Management skills

## ALTERNATIVE LABEL

- ✓ power engineer
- ✓ energy technology engineering specialist
- ✓ energy technology engineering consultant
- ✓ energy technology engineering expert
- ✓ energy engineering specialist
- ✓ energy engineering adviser
- ✓ energy technology engineering adviser
- ✓ energies engineer
- ✓ energy engineering expert
- ✓ energy engineering consultant
- ✓ energy technology engineer
- ✓ energy efficiency engineer

## LEARNINGS

- UTBM – Energy Engineer
- Electric Engineer – MEAD Patras University
- Electric Engineer – Peloponese University
- Bachelor of Energy Engineering
- Master of Energy and Nuclear Engineering
- Energy engineer