

# WHY STUDY...

# ENGINEERING

Check out some of the jobs you can do, the skills you'll develop and pathways available!

## JOBS

**Aerospace Engineer**  
**Broadcast Engineer**  
**Vehicle Technician**  
**Design Engineer**  
**Electrical Engineer**  
**Mechanical Engineer**  
**Civil Engineer**  
**Wind Turbine Engineer**  
**Nuclear Engineer**  
**Systems Analyst**  
**Solar Panel Engineer**



## SKILLS



Problem Solving



Creativity



Critical Reasoning



Leadership



Communication



Interpersonal

## PATHWAYS

### APPRENTICESHIPS AVAILABLE IN

- Aerospace Engineer
- Aerospace Software Development Engineering
- Civil Engineering
- Chartered Surveyor
- Digital Engineering
- Maritime Mechanic
- Materials Science Technologist
- Metal Casting, Foundry and Pattern-making Technician
- Metal Fabricator

### FURTHER EDUCATION

- A Level - Design Technology
- A Level - Maths
- A Level - Physics
- T Level - Engineering, Manufacturing, Processing and Control
- T Level - Design, Surveying and Planning for Construction
- T Level - Building Services Engineering for Construction
- BTEC - Mechanical Engineering
- BTEC - Electrical Electronic Engineering
- BTEC - Construction and Built Environment

### HIGHER EDUCATION

- BEng (Hons) in Mechanical Engineering
- BEng (Hons) in Civil and Environmental Engineering
- BEng (Hons) in Engineering Physics
- BEng (Hons) in Robotics and Engineering
- BEng (Hons) in Electrical Engineering
- BEng (Hons) in Biomedical Engineering
- BEng (Hons) in Aerospace Engineering
- BEng (Hons) in Chemical Engineering
- BA (Hons) in Design



Tees Valley  
Careers



National  
Careers Service



Amazing  
Apprenticeships