



Cyngor Bwrdeistref Sirol  
**MERTHYR TUDFUL**  
**MERTHYR TYDFIL**  
County Borough Council

## **WORK EXPERIENCE PLACEMENT PROFILE**

**Department:** Engineering and Traffic

**Location:** Civic Centre, Merthyr Tydfil

### **Information about the Department**

The Engineering and Traffic department is a multi-disciplinary team that carries out a number of statutory duties on behalf of Merthyr Tydfil CBC. The department has a wide area of responsibility in the following areas:

- Management of highway structures including road bridges, footbridges, culverts, pedestrian subways and retaining walls.
- Management of 4 reservoirs
- Management of 131 disused waste tips
- Highway development control
- Flood Risk Management and Land Drainage
- Sustainable drainage approval body
- Road Safety
- Traffic Management

The department also provides a design and support service for other departments within the authority and are therefore responsible for the design, site supervision and project management of any civil, structural, drainage, road safety or traffic schemes.

### **Summary of Work Experience Programme and Potential Tasks:**

- An introduction to working in a variety of engineering disciplines.
- Gain an understanding of the processes involved in carrying out a civil engineering project. To include feasibility studies, design process, preparation of contract documents, site supervision and project management.
- Learn how to use AutoCad and produce technical construction drawings.
- Attend construction sites for inspection purposes.
- Learn how to carry out structural inspections to include bridges, retaining walls, waste tips and reservoirs.
- Learn about sustainable drainage design and modelling.
- Gain an understanding of traffic management procedures and the design of road safety schemes.

### **Essential criteria**

- Enthusiastic and willing to learn
- An interest in Civil/Structural Engineering and Traffic Management
- Comfortable in working outdoors or in an office environment