

**University of Derby Job Description**

# **Job Summary**

## **Job Title**

Technician - Mechanical Engineering

## **College/Department**

College of Science & Engineering

## **Location**

Markeaton Street, Derby, DE22 3AW

## **Job Reference Number**

0525-21

## **Salary**

£23,725 to £25,944 per annum

## **Reports To**

Technical Instructor - Engineering

## **Line Management Responsibility**

No

# **Job Description and Person Specification**

## **Role Summary**

The post holder will support and develop practical related activities within Engineering with particular emphasis on machine shop and fabrication processes. Areas of support include milling, turning, bench fitting with CNC desirable.

## **Principal Accountabilities**

1. Undertake any technical work related to our material and mechanical technology provision. This will include general lab maintenance; preparation of space in line with teaching requirements; development of resource area and maintaining safe systems of work.
2. To support machine shop and fabrication activities. Providing guidance to students, staff and researchers in the correct use of facilities and equipment.
3. Providing technical assistance, guidance and demonstrations to support student learning and academic teaching as agreed with the Technical Instructor.
4. Managing the organization and maintenance of equipment and workshop spaces in the area, including equipment asset registers and ensuring compliance with all relevant Health and Safety regulations and policies.
5. Contribute to the forward planning of resource area. Identifying procurement needs and ordering materials, consumables and equipment through the correct procedures as required. Keeping up to date records of consumable stock, purchases and assets.
6. To assist and support research and knowledge transfer work by providing technical knowledge in appropriate resource areas.
7. Attend relevant committee meetings as agreed with the Technical Instructor
8. Participating in the University’s staff Development Review and engaging in personal staff development.
9. Undertake any other duties as required in agreement with the Technical Instructor.
10. Deputising for the Technical Instructor when required.

## **Person Specification**

### **Essential Criteria**

#### **Qualifications**

* Degree in related discipline, or equivalent experiential learning in a related subject

#### **Experience**

* Significant proven experience in mechanical manufacturing
* Experience of milling
* Experience of turning
* Experience of fabrication
* Experience of maintaining workshop equipment
* Experience of working to Health and Safety regulations

#### **Skills, knowledge and abilities**

* Able to read and interpret engineering drawings and tolerances to meet required specifications
* Full understanding of safety relating to machine shop activities
* Able to write and develop risk assessments and Health and Safety documentation relating to machine shop activities
* Able to manage own time effectively and to work on own initiative
* Excellent communication skills; able to communicate effectively to students and colleagues
* Knowledge of 2D and 3D CAD software such as Solidworks and AutoCAD
* Knowledge of material properties and testing techniques

#### **Business requirements**

* There will be limited evening and weekend work associated with this post
* Ability to travel between sites

### **Desirable Criteria**

#### **Experience**

* Experience of CNC machining
* Experience of CMM
* Significant experience in testing of materials and/or components
* Significant experience of engineering software including CAD, Matlab, Solidworks
* Proven experience of working within a teaching technician role or teaching laboratory

#### **Skills, knowledge and abilities**

* Able to monitor technical standards across the resource area, highlighting and prioritising any issues for further investigation
* Able to perform diagnosis and fault finding of equipment, techniques and procedures
* Ability to create basic CNC programs using machine control
* Demonstrable ability in repair and maintenance of automotive assemblies

# **Benefits**

As well as competitive pay scales, we offer generous holiday entitlement. We also offer opportunities for further salary progression based on performance, and the opportunity to join a contributory pension scheme.

The University of Derby is committed to promoting equality, diversity and inclusion. However you identify, we actively celebrate the knowledge, experience and talents each person brings

For more information on the benefits of working at the University of Derby go to [the Benefit pages of our website.](https://jobs.derby.ac.uk/display.aspx?id=1912&pid=0&tabId=230)