

# OPPORTUNITY

## Biomedical Engineering Technician

**Reference:** R220007

**Salary:** Grade 7, £27,116 to £32,344 per annum, depending on experience

**Contract Type:** Continuing

**Basis:** Full Time

# Job description

## Job Purpose:

To provide support to students, researchers and staff in project-based learning and laboratory work. Alongside production of working and display models and prototypes for university and research projects with an electrical bias.

## Main Duties/Responsibilities:

- ▶ Maintaining an electronics and modelling makerspace to a professional standard.
- ▶ Diagnosis and repair of electronic faults down to board and component level.
- ▶ To advise on electronics design principles and production.
- ▶ Electrical testing.
- ▶ To manage local inventories as well as controlling and stocking consumables – to liaise with technical staff and academics with regards to purchasing requirements.
- ▶ to assist in the L36 CDIO teaching laboratory, engineering workshop or other areas of the school as and when required.
- ▶ To not only ensure compliance of health and safety legislation, but to have a proactive approach to health and safety in all matters relating to laboratories and workshop facilities and practices.
- ▶ To work flexibly as a member of the College technical team, embracing Aston Strategy 2018-2023 objectives, providing cover to the other areas of the wider team as needed and equally receiving support from other areas at times of high workload or absence.
- ▶ To assist as required in college and university marketing events that in showcasing of laboratories, workshops.
- ▶ To provide recommendations for equipment modifications, upgrading, repair and replacement. Where appropriate, to recommend purchase of new equipment from annual capital funds.
- ▶ Undertaking other such duties as maybe reasonably requested and that are commensurate with the nature and grade of the post.

## Additional responsibilities

- ▶ Engage in continuous personal and professional development in line with the demands of the role, including undertaking relevant training and development activities to develop themselves and support the development of others.
- ▶ Ensure and promote the personal health, safety and wellbeing of staff and students.
- ▶ Carry out duties in a way which promotes fairness in all matters and which engenders trust.
- ▶ Promote equality of opportunity and support diversity and inclusion as well as working to support the University's environmental sustainability agenda and practices.

# Person specification

	Essential	Method of assessment
<b>Education and qualifications</b>	<p>HNC, HND or equivalent C&amp;G qualification in an electronic engineering.</p> <p>Apprentice trained electronics engineer.</p>	Application form
<b>Experience</b>	<p>Proven experience in a similar role.</p> <p>Good level of IT skills for electronics CAD packages (e.g. KiCAD, Proteus or equivalents).</p> <p>Printed Circuit Board Schematic and layout Design experience</p> <p>Experience of using microcontroller platforms (Arduino, RaspberryPi, and similar).</p> <p>Experience in building electronic and electrical test rigs.</p> <p>Experience in SMD soldering</p>	Application form and interview
<b>Aptitude and skills</b>	<p>Problem solving skills.</p> <p>Ability to supervise large groups of people ensuring safety at all times.</p> <p>Excellent communication skills including ability to clearly and effectively explain equipment and procedures and legislation to both individuals and groups.</p> <p>Ability to work independently and without close supervision.</p> <p>Ability to prioritise.</p> <p>Ability to work flexibly.</p> <p>Working knowledge of health and safety legislation.</p>	Application form and interview

	Essential	Method of assessment
	<p>Willingness to keep up to date with advancing technology.</p> <p>Willingness to assist other areas of the university as required.</p>	

	Desirable	Method of assessment
<b>Education and qualifications</b>	HE teaching qualification.	Application form
<b>Experience</b>	<p>Experience of using 3D printers and prototyping equipment.</p> <p>Experience of using mechanical CAD software (e.g. SolidWorks).</p>	Application form and interview
<b>Aptitude and skills</b>	<p>3D printing knowledge</p> <p>Traditional modelmaking skills</p> <p>Mechanical design knowledge.</p> <p>CAD.</p>	Application form and interview

# How to apply

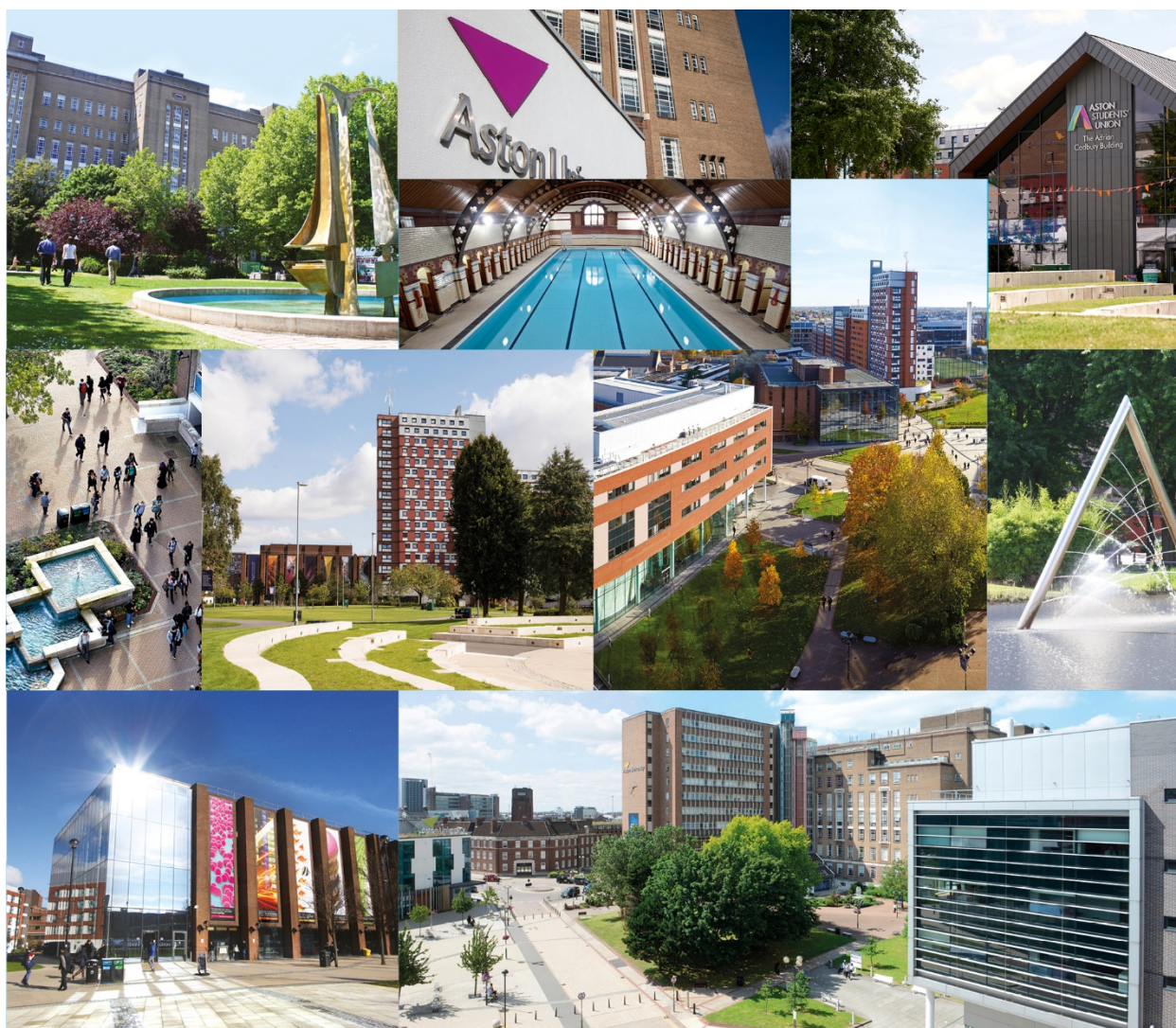
You can apply for this role online via our website <https://www2.aston.ac.uk/staff-public/hr/jobs>.

Applications should be submitted by 23.59 on the advertised closing date.

All applicants must complete an application form, along with your CV.

Any CV sent direct to the Recruitment Team and Recruiting Manager will not be accepted.

If you require a manual application form then please contact the Recruitment Team via [jobs@aston.ac.uk](mailto:jobs@aston.ac.uk).



# Contact information

## Enquiries about the vacancy:

Name: Reece Lillie

Job Title: Team Leader

Email: [r.s.lillie@aston.ac.uk](mailto:r.s.lillie@aston.ac.uk)

## Enquiries about the application process, shortlisting or interviews:

Recruitment Team via [jobs@aston.ac.uk](mailto:jobs@aston.ac.uk) or 0121 204 4500.

# Additional information

Visit our website <https://www2.aston.ac.uk/staff-public/hr> for full details of our salary scales and benefits Aston University staff enjoy

**Salary scales:** <https://www2.aston.ac.uk/staff-public/hr/payroll-and-pensions/salary-scales/index>

**Benefits:** <https://www2.aston.ac.uk/staff-public/hr/Benefits-and-Rewards/index>

**Working in Birmingham:** <https://www2.aston.ac.uk/birmingham>

**Employment of Ex-Offenders:** Under the Rehabilitation of Offenders Act 1974, a person with a criminal record is not required to disclose any spent convictions unless the positions they applying for is listed an exception under the act.

## Eligibility to work in the UK:

### Post-Brexit transition period / EU Settlement Scheme

The post-Brexit transition period ended on 31 December 2020. If you are an EU/EEA citizen and you were a resident in the UK before 31 December 2020, you and your family members (including non-EU citizens need to apply to the EU Settlement Scheme to continue to live, work and study in the UK beyond 30 June 2021. The deadline for applying to the EU settlement scheme is 30 June 2021. You can apply via the Government webpage

<https://www.gov.uk/settled-status-eu-citizens-families>

Irish Nationals do not need to apply for settlement as they retain the right to work in the UK.

### New immigration system for EU/EEA and Swiss Nationals who were not resident in the UK before 31 December 2020

A new immigration system has been introduced for people arriving in the UK from EEA countries with effect from 1 January 2021. In addition to those who have always required a visa, EU citizens moving to the UK to work will need to get a visa in advance. You can find more information on the following website. Candidates should check their eligibility to enter or remain in the UK in advance of making any job application via the UKVI website <https://www.gov.uk/browse/visas-immigration/work-visas>. Before applying you should ensure that you meet the requirements. If you do not meet the eligibility criteria, any application for a work visa would be unsuccessful.

If you require a visa to work in the UK the most common types of visa are:

**Skilled Worker Visa** <https://www.gov.uk/skilled-worker-visa>

### **Global Talent Visa**

If you are a leader or potential leader in one of the following fields you may be eligible to apply for a Global Talent Visa:

- Academia or Research
- Arts and Culture
- Digital Technology

Please click the following link for further information and to check your eligibility for this visa. <https://www.gov.uk/global-talent>

**Equal Opportunities:** Aston University promotes equality and diversity in all aspects of its work. We aim to ensure, through our admissions policies for students, and our staff recruitment and selection processes that we encourage applications from all groups represented in the wider community at a local, national and international level.

The University will endeavour not to discriminate unfairly or illegally, directly or indirectly, against student or potential students, staff or potential staff. This commitment applies to all functions of the University and to any stage of an individual's career.

An Equal Opportunities Monitoring Form is included within the application form. Data you provide on the Equal Opportunities Monitoring Form will be included in a general database, for statistical monitoring purposes, enabling the University to monitor the effectiveness of its Policy, Codes of Practice and Guidelines on Equal Opportunities in Employment. Individuals will not be identified by name.

**Data Protection:** Your personal data will be processed in compliance with the Data Protection Act 2018 and the General Data Protection Regulation ((EU) 2016/679) ("GDPR"). The University's Data Protection Policy and Privacy Notices, including the Job Applicant Privacy Notice can be found at <https://www2.aston.ac.uk/data-protection>. Your application will only be used to inform the selection process, unless you are successful, in which case it will form the basis of your personal record with the University which will be stored in manual and/or electronic files. Information in statistical form on present and former employees is given to appropriate outside bodies.

Full details of our terms and conditions of service and associated policies and procedures are available online at <https://www2.aston.ac.uk/staff-public/hr/policies>

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**Where change  
gets real.**