



Reference: R210066

Salary: £33,797 to £40,322 (grade 8), depending on experience

Contract Type: Fixed term until 30/6/2023

Basis: Full time

Closing Date: 23.59 hours BST on Thursday 01 April 2021

Interview Date: To be confirmed

Design and Additive Manufacturing Engineer

Job description

Aston University has been part funded by the European Regional Development Fund (ERDF) to support the delivery of a project called Aston University Advanced Prototyping Facility (AU-APF). This project supports small and medium sized enterprises (SMEs) based in the Greater Birmingham and Solihull Local Economic Partnership (LEP) area to innovate with advanced product design and manufacture using state of the art additive manufacturing equipment. It is delivering both short and long-term one-to-one assistance, workshops and innovation collaboration opportunities to SMEs.

We seek an engineer, familiar with mechanical design and advanced prototyping, to work with SMEs to enable them to take advantage of the latest prototyping technologies.

Main Duties and Responsibilities

The engineer will help to facilitate the workshops and assist individual beneficiaries. Key tasks include:

Undertake innovation reviews with SMEs

- ▶ Visit (teleconference until the pandemic is over) SMEs to discuss the challenges facing their business. Investigate the innovation potential arising from design and manufacturing expertise in the College of Engineering and Physical Sciences, providing advice back to the company.

Lead and undertake collaboration projects with SMEs

- ▶ Work with SMEs to design and develop prototypes and liaise with the project technician to enable fabrication of parts. Supervise SME partners when they visit the university.

Develop material for use in delivering workshops

- ▶ Assist in the generation of printed and web-based information resources describing the advanced prototyping innovation capabilities at Aston. Generate presentations and present at workshops and SME visits, to inform about the latest prototyping technology.

Facilitate workshops

- ▶ Assist in the organisation and planning of workshops for SMEs

Initiate and support collaboration between SMEs

- ▶ Help SMEs to network, facilitating collaboration in complementary or pre-competitive R&D.

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, students and external partners.
- ▶ 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
Education and qualifications	Honours degree or equivalent experience.	Application form
Experience	Ability to design mechanical prototypes and fabricate them using 3D printing technology. Additive manufacture. Computer Aided Design of mechanical components.	Application form and interview
Aptitude and skills	Strong verbal and written communication skills. Excellent presentation skills. Excellent attention to detail. Willingness and availability to travel within the GBSLEP area. Clean driving licence.	Application form and interview

	Desirable	Method of assessment
Experience	Experience in industry Analysis of business needs ('Innovation reviews') and provision of assistance with technology development or application	Application form and interview
Aptitude and skills	Ability to work and build relationships with industry partners	Interview and presentation

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 23.59pm 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.

Contact information

Enquiries about the vacancy:

Name: David Webb

Job Title: Director, Aston Institute for Urban Technology and the Environment

Email: d.j.webb@aston.ac.uk

Enquiries about the application process, shortlisting or interviews:

Recruitment Team via 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>

