



University of
Strathclyde
Glasgow



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Knowledge Exchange Assistant in Skills Analysis

Department	Mechanical and Aerospace Engineering (www.strath.ac.uk/engineering/mechanicalaerospaceengineering/)		
Faculty	Faculty of Engineering (www.strath.ac.uk/engineering/)		
Staff Category	Knowledge Exchange	Reference No	607299
Reports To	Dr Christie Maddock	Grade	6
Salary Range	£31,396 - £34,980	Contract Type	Fixed term (until 31/12/2025)
FTE	1	Closing Date	08/05/2024
Holidays	31 days + 11 statutory days Option to purchase additional holidays.	On Site Facilities	Car parking, sports centre, catering.
Pensions	Contributory pension scheme available to all staff including generous employer contribution.		
Training	Professional Development with Organisational and Staff Development Unit (OSDU) plus external training if required.		
Family Friendly Benefits	Generous parental leave provision, on-campus nursery and options for flexible working.		
Health and Wellbeing	University Sport centre, Occupational Health service, access to health and wellbeing events, cycle to work scheme, Employee Assistance Programme, agile working and established carers support network and carer friendly policies.		

Job Advert

The Faculty of Engineering at the University of Strathclyde is one of the largest and most successful engineering faculties in the UK, and the largest in Scotland. As a leading international technological university, Strathclyde is recognised for its world class research, knowledge exchange and educational programs. At the heart of this is the Faculty of Engineering which boasts a growing research portfolio of over £85 million.

The Department of Mechanical & Aerospace Engineering is the birthplace of modern engineering education, informing the technology leaders of today and tomorrow since 1800. Our mission is to advance knowledge and commerce in mechanical and aerospace engineering, and apply fresh thinking to the challenges faced by industry and society.

The Aerospace Centre of Excellence, part of the Department of Mechanical and Aerospace Engineering, seeks to appoint a developer to work within the international project [ASTRAIOS: Analysis of Skills, Training, Research, and Innovation Opportunities in Space](http://www.astraios.eu) (www.astraios.eu). ASTRAIOS is funded through the Horizon Europe Call HORIZON-CL4-2022-SPACE-01: Strategic Autonomy in Developing, Deploying and Using Global Space-based Infrastructures, Services, Applications and Data. The overall objective of ASTRAIOS is to provide an exhaustive view and understanding of the current and future offer of space curricula and courses in the EU and UK, and characterise the demand from the wider European Space industry, leading to the identification of actionable ways forward toward a better alignment between the space sector's curricula and qualification capabilities and the skills required by the future space sector to foster innovation and increase our competitiveness.

As a Knowledge Exchange Assistant, you will assist in the delivery of knowledge exchange activities as part of a team, within an established knowledge exchange /research programme/s under the general supervision of senior colleagues. You will assist in initial research through conducting literature reviews, gathering information and collating findings. You will be expected to write up the results of your knowledge exchange activities and contribute to the production of relevant reports and publications. Under the guidance of the senior colleagues, you will liaise directly with external partners to provide support with the terms of the programme. You will also input as a team member to administrative activities and assist where required with relevant research and teaching activities.

To be considered for the role, you will be educated to a minimum of Degree level in engineering, science or similar and you will have sufficient breadth or depth of knowledge in space systems technologies, science and engineering. Experience with evaluating and analysing skills gaps in STEM will be an asset. You will have knowledge of appropriate knowledge exchange and research methods, have an ability to plan and prioritise your own workload, with general supervision, and you will have an ability to work within a team environment. You will have excellent interpersonal and communication skills, with the ability to listen, engage and persuade, and to present complex information in an accessible way to a range of audiences.

Whilst not essential for the role, applications are welcomed from candidates with: a higher Degree in a relevant discipline, some relevant work experience, membership/working towards membership of a relevant Chartered/professional body (including the Higher Education Academy), experience of relevant student supervision and teaching activities.

Job Description

Brief Outline of Job:

To assist in the delivery of knowledge exchange activities as part of a team, working within an established knowledge exchange /research programme/s under the general supervision of senior colleagues; to input as a team member to administrative activities; to assist where required with relevant research and teaching activities.

Main Activities/Responsibilities:

1.	Assist the delivery of knowledge exchange projects by assisting in initial research by, for example, conducting literature reviews, gathering information with regard to external partners and collating findings.
2.	Liaising directly with external partners, under appropriate supervision, to provide support consistent with the terms of the KE project.
3.	Manage and prioritise own workload within agreed objectives to ensure that all activities are completed to deadlines.
4.	Write up results of own knowledge exchange activities and contribute to the production of relevant reports and publications.
5.	Contribute to the planning of knowledge exchange programmes.
6.	Write up work for publication, individually or in collaboration with colleagues, and disseminate results as appropriate to the discipline by, for example, peer reviewed journal publications and presentation at conferences.
7.	Assist with research and teaching activities as required.
8.	Assist with the supervision of student projects and the delivery of introductory classes as required.
9.	Input as a team member to Department/School, Faculty and/or University administrative activities
10.	Engage in continuous professional development.

Person Specification

Educational and/or Professional Qualifications

(E=Essential, i.e. a candidate must meet all essential criteria to be considered for selection, D=Desirable)

E1 Good honours degree in appropriate discipline.

D1 Higher degree (or equivalent professional experience) in appropriate discipline.

Experience

E2 Sufficient breadth or depth of knowledge in the relevant discipline/s to effectively contribute to the knowledge exchange programme/s.

D2 Experience in one or more of the following areas: skill development, higher education and training.

D3 Experience of relevant student supervision and teaching activities.

Job Related Skills and Achievements

E3 Knowledge of appropriate knowledge exchange and research methods.

E4 Ability to plan and organise own workload effectively with general supervision from senior colleagues

E5 Ability to work constructively within a team environment.

D4 Membership / working towards membership of relevant Chartered/professional bodies (for example Higher Education Academy).

D5 General knowledge of skills gap analysis

D6 General knowledge of the degree structures for Higher Educational Institutions around Europe

D7 General knowledge of the curricula design and development on different platforms

D8 General knowledge of the space sector in Europe and internationally

Personal Attributes

E6 Excellent interpersonal and communication skills, with the ability to listen, engage and persuade, and to present complex information in an accessible way to a range of audiences.

E7 Self-motivated.

Application Procedure

Applicants are required to complete an application form including the name of three referees who will be contacted without further permission, unless you indicate that you would prefer otherwise. Applicants should also submit a Curriculum Vitae and a covering letter detailing the knowledge, skills and experience you think make you the right candidate for the job. Applicants should also complete the Equal Opportunities Monitoring Form.

Other Information

Further information on the application process and working at Strathclyde can be found on our website (<http://www.strath.ac.uk/hr/workforum>).

Informal enquiries about the post can be directed to Dr Christie Maddock, Associate Professor (email: christie.maddock@strath.ac.uk).

Conditions of Employment

Conditions of employment relating to the Knowledge Exchange staff category can be found at: [Conditions of Employment](#).

Rewards and Benefits

Our staff have access to a wide range of outstanding benefits that include financial rewards, family friendly and wellbeing benefits and career development opportunities, details of which can be found [here](#).

Probation

Where applicable, the successful applicant will be required to serve a 9 month probationary period.

Pension

The successful applicant will be eligible to join the Universities' Superannuation Scheme. Further information regarding this scheme is available from [Payroll and Pensions](#).

Relocation

Where applicable, the University offers a relocation package to support new employees who meet the eligibility criteria. The relocation package is offered as a contribution towards costs incurred, and is designed to be flexible, allowing staff to use the financial support available in the way that will be most helpful to them. Further details are outlined in the Relocation Policy.

Interviews

Formal interviews for this post will be held on a date to be confirmed.

Equality and Diversity

The University of Strathclyde is a socially progressive institution that strives to ensure equality of opportunity and celebrates the diversity of its student and staff community. Strathclyde is people-oriented and collaborative, offering a supportive and flexible working culture with a deep commitment to our equality, diversity and inclusion charters, initiatives, groups and networks.

We strongly encourage applications from Black, Asian and minority ethnicity, women, LGBT+, and disabled candidates and candidates from lower socio-economic groups and care-experienced backgrounds.

University Values

The University's Values capture what we're all about: who we are, what we believe in and what we stand for. [Our Values](#) have been derived from how we act and how we expect to be treated as part of Strathclyde.

