

Job description

- **Post title:** Technical Demonstrator: Etching and Lithography
- **School or department:** Learning Innovation & Skills /
Schools Technical Services
- **Line Manager:** STS Team Leader
- **Grade:** G6/Ac1

Job purpose

To provide high-quality technical and practical teaching support across designated subject areas, enabling effective delivery of teaching, learning, and research activities. The postholder will contribute to the operation of specialist facilities and support students in developing practical, technical, and professional skills within a supervised academic environment.

Main duties and responsibilities

Teaching and learning support

- Support the delivery of teaching sessions (laboratories, workshops, studios, or digital environments) by demonstrating practical techniques, tools, and processes.
- Provide hands-on support to students, guiding them through practical exercises, projects, and problem-solving activities.
- Explain complex technical concepts clearly to learners with a range of abilities and learning styles.
- Assist academic staff in delivering a high-quality student learning experience.

Technical and laboratory/studio/workshop operations

- Prepare, set up, and dismantle equipment, materials, and resources required for teaching sessions.
- Operate, maintain, and troubleshoot specialist equipment, software, or facilities.
- Ensure teaching environments are safe, functional, and accessible.
- Support the day-to-day running of laboratories, studios, workshops, or digital spaces.
- Contribute to stock control, ordering, and resource management where required.

Student support and experience

- Provide proactive pastoral and technical support within learning environments.
- Respond to student queries and provide guidance on technical processes and equipment use.
- Support inclusive learning by adapting communication and approach to diverse student needs.
- Contribute to student inductions, training sessions, and skills development activities.

Health, Safety & Compliance

- Ensure compliance with University policies and procedures, including Health & Safety regulations.
- Promote safe working practices and monitor student activity in practical environments.
- Maintain appropriate records (risk assessments, equipment checks, COSHH where relevant).
- Ensure teaching spaces are kept clean, safe, and organised.

Collaboration and administration

- Work collaboratively with academic staff, technicians, and professional services teams.
- Provide feedback to academic staff on student progress, engagement, and technical issues.
- Assist with administrative tasks relating to teaching delivery (e.g. timetabling support, materials preparation, record-keeping).
- Contribute to open days, recruitment events, and outreach activities.

Continuous improvement

- Contribute to the development and improvement of practical teaching activities and resources.
- Maintain up-to-date knowledge of relevant technical practices, tools, and technologies.
- Engage in training and professional development as required.

General

- To carry out any other duties required which are within the scope and grade of the post.

Person specification

Qualifications and experience

Essential

- Degree (or equivalent experience) in a relevant discipline.
- Demonstration or training experience
- Supervisory experience

Desirable

- First Aid qualification
- Experience working in education setting, particularly Higher Education
- Experience of the education sector from a related industry

Skills and Knowledge

Essential

- Experience working with relevant technical equipment, software, or specialist facilities.
- Ability to demonstrate specialist techniques clearly and effectively.
- Strong communication skills, with the ability to support diverse learners.
- Problem-solving skills in practical/technical environments.
- Ability to plan and organise own workload and meet deadlines.

Desirable

- Ability to coach students in professional or industry-standard practices
- Knowledge of Higher Education systems and procedures
- Experience working with emerging or advanced technologies relevant to the discipline

Personal Qualities

Essential

- Team-oriented, flexible, and proactive approach.
- Commitment to equality, diversity, and inclusion.
- Understanding of safe working practices.

Desirable

- Ability to work with a high level of autonomy and initiative within a defined framework
- Strong organisational skills, including managing multiple competing priorities
- Proactive approach to enhancing student experience and service quality
- Commitment to continuous professional development and reflective practice

Special Conditions

- Please note that some evening and weekend working may be required for this role. The arrangement of working hours will be agreed in advance with the line manager.
- This post is subject to Enhanced Disclosure and Barring Service Check (if applicable)