

SURREY
The post holder will have the latitude to organise and prioritise work within the daily/weekly work routine to ensure that key deadlines and objectives are met. This will include successfully managing any conflicting demands, possessing a basic awareness of the options available and being able to make effective and appropriate decisions, referring only to line management where appropriate

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Problem Solving and Decision Making

- The post will be expected to undertake the activities with minimal guidance from line management; however, more complex problems should be referred to the appropriate member of academic staff, either for advice, guidance or for resolution.
- The post holder is expected to confidently provide advice to all stakeholders and solutions to routine dayto-day problems in their specialist area.

Continuous Improvement

- The post holder is expected to take a pro-active approach to their work, making suggestions for improvements in working methods and facilities and implementing them under the guidance of the Manager of the Mechanical Testing Facility.
- They are also expected to develop new technical skills as appropriate to the developing nature of research within the laboratory, in order that they are able to contribute to the creation of innovative solutions to requirements.

<u>Accountability</u>

- The post holder will be required to order miscellaneous material, parts and consumables and ensure adequate stock levels at an appropriate cost. Failure to do so would affect the students' laboratory experience, the staff and postgraduates' research and external contracts.
- The post holder is expected to also apply their technical knowledge and practical knowledge of the required workshop practices in order to provide advice, training and assistance to staff and students regarding the application of techniques and use of common equipment for preparation and application of standard laboratory techniques. Whilst the work will usually follow an established pattern, the post holder is able to refer to well-defined procedures for guidance when required. The post holder is however, required to recognise when problem/issues should be referred to a senior member of the team or to their line manager for guidance or resolution. The post holder is expected to confidently provide advice and solutions to routine day-to-day problems in their specialist area.

Dimensions of the role

- The post holder will be working as part of a wider team supporting approx. 10 academic and research staff and associated postgraduate and undergraduate students. This may include L1 and L2 Engineering Experiments, L3 Group Design Projects, and L3 & LM Individual Research Projects.
- The post holder does not have any budgetary or supervisory responsibility.
- Supplementary Information.
- The post holder will be a member of the appropriate Faculty H&S Forum, in particular representing technical aspects of the Laboratory operations.

Person Specification This section describes the sum total of knowledge, experience & competence required by the post holder that is necessary for standard acceptable performance in carrying out this role.

Qualifications and Professional Memberships

HNC/C&G in engineering and manufacture practice, together with several year experience	ars practical	E
Technical Competencies (Experience and Knowledge) This section contains the level of competency required to carry out the role (please refer to the Competency Framework for clarification where needed and the Job Matching Guidance).	Essential/ Desirable	Level 1-3
Experience of mechanical testing	E	3

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An understanding of relevant Health and Safety requirements and procedures E

Knowledge and experience of maintenance of and fault finding in equipment	E	3
Ability to work independently and with minimal supervision	E	3
Experience of working in a mechanical workshop	D	1
Knowledge and experience of strain measurement techniques, especially digital image correlation	D	2
Knowledge and experience of mechanical design	D	2
Special Requirements:	Essential/ Desirable	
Core Competencies This section contains the level of competency required to carry out this role. (Please refer to the competency framework for clarification where needed). n/a (not applicable) should be placed, where the competency is not a requirement of the grade.		Level 1-3
Communication		3
Adaptability / Flexibility		2
Customer/Client service and support		2
Planning and Organising		2
Continuous Improvement		2
Problem Solving and Decision Making Skills		2
Managing and Developing Performance		1
Creative and Analytical Thinking		2
Influencing, Persuasion and Negotiation Skills		1
Strategic Thinking & Leadership		n/a
This Job Purpose reflects the core activities of the post. As the Department/Faculty and the post holder de inevitably be some changes to the duties for which the post is responsible, and possibly to the emphasis of the University expects that the post holder will recognise this and will adopt a flexible approach to work. The undertaking relevant training where necessary.	of the post itself.	
Should significant changes to the Job Purpose become necessary, the post holder will be consulted a reflected in a revised Job Purpose.	nd the changes	
Organisational/Departmental Information & Key Relationships		
Background Information		
The Faculty of Engineering and Physical Sciences is built on the core engineering disc engineering, civil engineering, chemical engineering, electronic engineering and mec together with the core scientific disciplines of computing, mathematics and physics. V enjoy a reputation for excellence in research and teaching.	hanical engine	ering,
The post holder will be working as part of team supporting approximately 10 academ associated postgraduate and undergraduate students. This commitment may include		

Individual Projects and MSc Individual Research Projects.

Department Structure Chart

Relationships

<u>Internal</u>

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- The post holder will assist staff and postgraduate students in design and manufacture of apparatus for project.
- The post holder will communicate with other users of the University services.

<u>External</u>

- The post holder will liaise with external contractors and suppliers for the provision and price of services and goods.
- The post holder is also the main point of contact for mechanical assistance within mechanical testing by external customers.