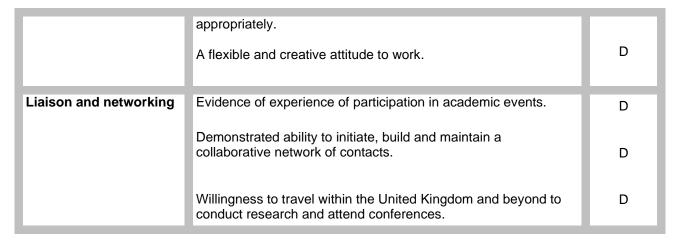# Person Specification

This form lists the essential and desirable requirements needed in order to do the job.

Applicants will be shortlisted **solely** on the extent to which they meet these requirements.

Job title: Research Officer in Mathematical Optimisation	

Department: Mathematics	**Accountable to:** Head of Department

Competency	Criteria	E/D
Knowledge and Experience	Successful completion (or near completion) of PhD in a discipline relevant to mathematical optimisation, such as Mathematics, Computer Science, or Operations Research.	E
	Demonstrates comprehensive knowledge and experience in the theoretical understanding of fundamental problems in combinatorial optimisation, and its connections to graph theory, integer programming, and submodular optimisation.	E
	Evidence of developing a body of good quality publications, in well-recognised peer reviewed outlets, through independent original research.	E
Communication	Excellent written and oral communication skills, including an ability to place one's specialist work within a broader context and to communicate research findings effectively to a range of audiences.	E
Investigation, analysis and research	Ability to analyse and research complex ideas, concepts or theories.	E
Planning and organisation	Ability to take a significant role in pursuing the activities and objectives of the research project.	E
	Evidence of good time and workload management and planning skills, setting priorities and committing to delivery within deadlines.	D
Teamwork and motivation	A commitment and demonstrated ability to work as part of a collaborative research team in assisting the smooth running of the project.	D
	Ability to take responsibility for, and work independently on, specific project tasks, consulting and reporting to colleagues	D

	appropriately.	
	A flexible and creative attitude to work.	D
Liaison and networking	Evidence of experience of participation in academic events.	D
	Demonstrated ability to initiate, build and maintain a collaborative network of contacts.	D
	Willingness to travel within the United Kingdom and beyond to conduct research and attend conferences.	D

E – Essential: requirements without which the job could not be done.
D – Desirable: requirements that would enable the candidate to perform the job well.