

Westminster Kingsway College Job Description and Person Specification

Post:	Lecturer in Engineering
Contract:	Permanent
Hours:	35 hours per week
Reporting to:	Curriculum Manager
Grade:	Teaching and Training

Key Purpose:

To act as a course tutor and personal tutor and teach a variety of occupational units on all levels of Engineering programmes.

Main Duties and Responsibilities:

- To act as course tutor and personal tutor and take responsibility for the day to day management of Engineering courses.
- To be able to teach up to level 3.
- To teach across a range of courses and be involved in student support and pastoral care.
- To prepare appropriate teaching materials and keep them up to date and to use VLE (Moodle), MS Teams and Google Classrooms for resources and tutorials.
- To assess students' work and attendance and use a PLP system (pro-monitor) for monitoring progress.
- Where appropriate, to liaise with employers and secure work experience placements; monitor placements and assess students in the work place.
- Undertake associated duties of administration and record keeping, enrolment and examination procedures etc.
- To be able to integrate English and maths into the vocational teaching.
- To promote the curriculum development of existing and new courses, including monitoring, evaluation and quality assurance.
- Marketing and recruiting including interviewing and assessing students.
- Attend College and section meetings, and relevant staff development events
- To undertake other duties as appropriate.

Expectations of the Post Holder:

- Ensure that the College policy for equality and diversity of opportunity is adhered to and promoted in all aspects of the post holder's work.
- Ensure effective quality control and continuous improvement in all aspects of the work and responsibilities attached to this post, in keeping with the College's quality assurance procedures and systems.
- Undertake responsibilities for safeguarding and protecting the welfare of children and vulnerable adults.
- To comply with and promote College Health and Safety policies and procedures and to undertake recommended Health and Safety training as and when necessary.
- Be committed to professional self-development, through participation in in-service training as necessary for the successful carrying out of the job.
- Undertake such other duties as are commensurate with the grade of the post, as may be reasonably required at the initial place of work or at other locations in the College.
- All lecturers appointed to the College can be required to teach a broad range of courses within the curriculum area to a variety of age groups.

Lecturer in Engineering (Mechanical)

ESSENTIAL

- Experience in CAD (direct modellers, e.g. AutoCAD, and parametric modellers, e.g. Inventor)
- Knowledge about CAD/CAM manufacturing workflow
- Experience setting up and operating CAM/CNC manufacturing equipment (e.g. 3D printer, laser cutter) – or the willingness to acquire these skills
- Ability to coordinate and support student-led projects involving both mechanical and electronic design
- Ability to keep updated with trends and current practice in CAE methods and techniques

DESIRABLE

- Experience in Engineering project management

Basic Skills and Learning Support:

All teaching staff at the College are expected to support students to develop their English and Maths skills, using teaching, learning and assessment opportunities within the curriculum or through the delivery of Additional Learning Support, to do so.

You will be expected to mark students' work carefully and thoroughly, giving advice on how it could be improved, and also correcting spelling, grammar and vocabulary when necessary.



Newly appointed staff without a Level 2 English and Maths qualification will be supported with in-service training to develop their professional skills to enable them to confidently develop the English and Maths skills of their students.

N.B. This job description is designed to outline a range of main duties that may be encountered. It is not designed to be an exhaustive listing of tasks and can be varied in consultation with the post holder in order to reflect changes in the job or the organisation.

Important:

- When completing your application form and writing your supporting statement please make sure that you cover all the points in the Person Specification using each criterion as a separate heading.
- Please download a copy of the College's Teaching Standards from <http://www.candi.ac.uk/working-for-us/vacancies/application-information/>. These standards are reflected in aspects of the Person Specification and are assessed in the recruitment process.



Person Specification

	Criteria	Essential	Desirable
Qualifications / Professional Development	The possession of professional qualifications to Degree Level in a subject relevant to Engineering	X	
	Have expertise or experience of working in the Engineering Sector.	X	
	Teaching qualification /PGCE.	X	
Knowledge / Experience	Knowledge and experience of Teaching 16-19 in F.E. In Engineering	X	
	Understanding of how to adapt and vary teaching styles to make learning more effective including interactive VLE, ICT and E learning. Understanding of the assessment and accreditation requirements for the courses relevant to the post.	X	
	Commitment to continuous quality improvement in the work attached to the post.	X	
	An understanding of and commitment to the College's Equal Opportunities policies and a willingness to promote equality of opportunity on all aspects of the work.	X	
Skills / Abilities		X	
	Experience in CAD (direct modellers, e.g. AutoCAD, and parametric modellers, e.g. Inventor)	X	
	Knowledge about CAD/CAM manufacturing workflow	X	
	Experience setting up and operating CAM/CNC manufacturing equipment (e.g. 3D printer, laser cutter) – or the willingness to acquire these skills	X	
	Ability to coordinate and support student-led projects involving both mechanical and electronic design	X	
	Ability to keep updated with trends and current practice in CAE methods and techniques	X	
	Experience in Engineering project management		X
	The ability to relate to, communicate effectively with, and counsel students, both school leavers and adults, and to monitor their progress.	X	
	Passion and commitment for working with 16-19 year olds to improve progression opportunities and to support preparation for working life.	X	

	An ability to maintain good working relationships with colleagues, to work as part of a team and, if appropriate, to provide team leadership.	X	
	High level of organising and administrative skills and a readiness to carry out administration and student support/tracking duties which include using online Personal Learning Plans.	X	
	Ability to give advice and information to students across the range of courses on offer in the curriculum area.	X	
	An ability to work with employers, and assessors in the area of work force development for Engineering.	X	
	Ability to deliver employability skills at all levels and the ability to embed Maths and English in vocational subjects.	X	

When completing your application form and writing your supporting statement please make sure that you cover all the points in the Person Specification using each criterion as a separate heading.