



Professor of Engineering and the Built Environment Sustainable Engineering and the Built Environment

School of Science, Psychology, Arts & Humanities, Computing, Engineering and Sport

The Post

Job Title:	Professor of Engineering and the Built Environment
Reference:	REQ06466
Location:	Canterbury Campus
Reports to:	Head of Sustainable Engineering and the Built Environment
Responsible for:	Academic leadership within delegated areas
HERA Reference	
Contract Type and Hours	Permanent, full-time
Grade	Professor

For further information on the benefits of working at Canterbury Christ Church University please click [here](#).

Main Purpose of the Role

The Professor of Engineering and the Built Environment will provide senior academic and professorial expertise to support the continued development of Sustainable Engineering and the Built Environment at Canterbury Christ Church University (CCCU). Working collaboratively with the Head of Subject and colleagues across the School, the Professor will contribute to the development of education, research, enterprise, knowledge exchange, innovation and external engagement across the subject area.

The subject encompasses a broad and multidisciplinary portfolio across Engineering and the Built Environment, including undergraduate and postgraduate education, apprenticeships, CPD and external collaborations. Applications are welcomed from candidates across relevant engineering and built environment disciplines. We would particularly welcome candidates whose expertise strengthens our capability within the Built Environment, including, but not limited to construction and infrastructure, architectural engineering, building services engineering, sustainable construction, digital built environment and related disciplines.

The successful candidate will work collaboratively with the Head of Subject and colleagues across our dynamic, inclusive, diverse and motivated team to:

- Support excellence across a range of performance measures, including student recruitment and success, sustainability of the education and skills portfolio, industry collaboration and engagement, research and innovation, and income generation.
- Enhance the reputation of Engineering and the Built Environment at CCCU as a trusted provider of graduates, research, innovation, knowledge exchange, projects and commercial activity.
- Demonstrate achievements in sustainability across research, education and external engagement in alignment with the University's vision for a sustainable future (CCCU Vision 2030)
- Contribute to the School's STEM ecosystem locally and regionally, helping pupils, teachers, parents and other stakeholders understand opportunities within Engineering and the Built Environment, and support the STEM Hub hosted by CCCU and contribute to growing the pipeline into industry.
- Foster and leverage relationships with key external stakeholders (e.g. industry partners, funders, local authorities, further education and schools), and promote the regional,

national and international profile and impact of engineering and the built environment at CCCU.

We are seeking an inspirational and inclusive academic with an established national and/or international profile and the intellectual breadth to work across disciplinary boundaries. The successful candidate will bring academic and/or professional credibility, a collaborative approach and a strong commitment to education, research, enterprise, knowledge exchange and external engagement. We welcome applicants from across Engineering and the Built Environment and particularly encourage applications from candidates whose expertise would complement and strengthen our current Built Environment capability.

Main Duties

1.	Make a significant contribution to the development and refinement of the subject portfolio, working with the Head of Subject and colleagues to identify opportunities for growth, innovation and income generation, and contribute to the delivery and enhancement of provision in collaboration with internal and external partners, ensuring that curricula remain current and responsive to industry, professional and societal needs.
2.	Promote strategic collaboration across Engineering, the Built Environment and Computing, identifying opportunities for interdisciplinary education, research, enterprise, knowledge exchange and external engagement, and supporting colleagues in developing these opportunities.
3.	Make a significant contribution to regional, national and international student recruitment and portfolio growth, actively supporting relevant recruitment and outreach activity and contributing to subject-level marketing and engagement plans in collaboration with the Head of Subject, Course Directors and relevant University teams.
4.	Working collaboratively with the Head of Subject, Deputy Dean, Associate Dean Education, Course Directors and other colleagues, contribute to the achievement of KPIs relating to student experience and success, equality and inclusion, academic standards and quality, and support accreditation and engagement with relevant Professional, Statutory and Regulatory Bodies (PSRBs).
5.	Support the Head of Subject in developing an inclusive, supportive and collegiate academic environment, providing mentorship and academic leadership to colleagues and supporting their professional, educational, research and enterprise development.
6.	Working with the Associate Dean for Research, Enterprise, and Knowledge Mobilisation and relevant colleagues, provide senior academic leadership in developing the quality, quantity and impact of REKM activity across the Engineering and Computing Subject Cluster, including KTPs, externally funded activity and KEF-aligned partnerships with industry and civic stakeholders.
7.	Develop and strengthen relationships with appropriate external stakeholders, including industry, research partners and other organisations, and represent the University externally as appropriate and agreed with the Head of Subject and Dean of School.
8.	Promote and contribute to effective cross-disciplinary working between subjects within and beyond the School of Science, Psychology, Arts & Humanities, Computing, Engineering and Sport, identifying opportunities for interdisciplinary education, research, enterprise and knowledge exchange.
9.	Contribute actively to the wider academic community of the School and University, providing intellectual leadership, mentorship and external representation appropriate to professorial standing.
10.	Undertake other appropriate responsibilities commensurate with the level and nature of the post, as required by the Head of Subject and Dean of School.

Person Specification			
Qualifications and Training	Essential	Desirable	Method of assessment
A first degree in Engineering, the Built Environment or another discipline relevant to the post.	✓		Application form, certificate
A PhD in a relevant discipline or equivalent significant professional/practice-based standing and achievement appropriate to professorial appointment.	✓		Application form, certificate, interview
Evidence of sustained achievement and leadership at a level appropriate to professorial appointment in one or more of research, education, enterprise, knowledge exchange, professional practice or external engagement.	✓		Application form, certificate, interview
Evidence of an established national and/or international profile and influence within Engineering, the Built Environment, higher education, industry or professional practice.	✓		Application form, certificate, interview
Ability to contribute to the School's REF submission OR ability to generate income through partnership developments	✓		Application form, certificate(s), interview
Chartered status or equivalent professional recognition appropriate to the candidate's discipline, for example CEng or another relevant chartered designation.		✓	Application form, certificate(s)
Evidence of active engagement with relevant professional, statutory or regulatory bodies.		✓	Application form, certificate(s), interview
Evidence of significant achievement relating to sustainability through research, education, enterprise, professional practice or external engagement.		✓	Application form, certificate(s), interview
Senior Fellow of the UK Higher Education Academy or equivalent professional recognition, or potential to achieve this within 12 months	✓		Application form, certificate(s), interview
Experience and Knowledge	Essential	Desirable	
Substantial experience of successful teaching, assessment and student support within Higher Education or an equivalent professional educational environment, including experience at undergraduate and/or postgraduate level.	✓		Application form, interview
Significant experience of developing, designing, implementing, reviewing and enhancing Higher Education programmes or equivalent professional educational provision.	✓		Application form, interview
A sustained record of achievement in research, enterprise, knowledge exchange, industrial engagement and/or professional practice relevant to Engineering or the Built Environment.	✓		Application form, interview

Experience of contributing to the strategic development, enhancement and/or leadership of academic provision.	✓		Application form, interview
Evidence of successfully leading, mentoring and influencing colleagues within diverse and multidisciplinary teams.	✓		Application form, interview
Evidence of understanding of TEF, REF, NSS, & other key metrics in HE environment.	✓		Application form, interview
Experience of contributing to research, enterprise, knowledge exchange, professional practice and/or externally funded activity at a level appropriate to professorial appointment.	✓		
Evidence of contributing to the development of colleagues, research students and/or early-career academics.	✓		
Evidence of leading or being a significant contributor to teams to secure accreditation of programmes from professional bodies.	✓		Application form, interview
Experience of developing new academic provision and identifying opportunities for portfolio growth.		✓	Application form, interview
Skills and Attributes	Essential	Desirable	
Ability to provide intellectual and academic leadership appropriate to professorial standing while working collaboratively within an established subject leadership structure.	✓		Application form, interview
Ability to contribute strategically to curriculum development and innovation across a multidisciplinary academic portfolio.	✓		Application form, interview
Ability to mentor, support, influence and inspire academic colleagues and contribute to the development of a high-performing, inclusive and collegiate academic culture.	✓		Application form, interview
Ability to initiate and develop high-quality research, enterprise, knowledge exchange and/or professional practice activity.	✓		Application form, interview
Ability to establish and maintain effective relationships with students, colleagues, industry, professional bodies and other external stakeholders.	✓		Application form, interview
Ability to communicate effectively with students, staff, senior leaders and external stakeholders through a range of methods.	✓		Application form, interview
Commitment to innovative, inclusive and practice-based approaches to curriculum design and delivery, and willingness to engage with and contribute to the University's CDIO approach.	✓		Application form, presentation/ activity interview
Commitment to continuous improvement and a strong understanding of academic quality assurance and enhancement.	✓		Application form, interview
Ability to work effectively within multidisciplinary and interdisciplinary professional and academic teams.	✓		Application form, interview

Excellent oral and written communication skills.	✓		Application form, interview
Commitment to enhancing standards in teaching, learning, research, enterprise and/or professional practice.	✓		Application form, interview
Commitment to supporting students, colleagues, the School, University and external partners and stakeholders.	✓		Application form, interview
Ability to contribute to the strategic growth and development of Built Environment education, research, enterprise and/or knowledge exchange.		✓	Application form, interview
Ability to develop interdisciplinary opportunities connecting Engineering and the Built Environment with other areas of the University.		✓	Application form, interview
Evidence of established networks with industry, professional bodies, academic institutions or other relevant external stakeholders.		✓	Application form, interview
Ability to identify and develop opportunities for external funding, consultancy, enterprise, partnerships and income generation.		✓	Application form, interview