



MSc Construction Management

Also available to study at GCU London

Developed with the support of the Construction Industry Training Board (CITB), the programme is accredited by four distinct professional bodies and is design to meet the increasing demand for innovative and far-sighted construction managers.

Accredited by:



Innovative solutions in an ever-changing landscape.

“I believe the MSc in Construction Management from Glasgow Caledonian and my ongoing relationship with the University has been key to the rapid growth of my business and the successful delivery and early completion of world class projects such as the Bahrain F1 Grand Prix Circuit and the Abu Dhabi F1 YAS-Marina Circuit”

Khalid Abdul Rahim, CEO of Cebarco Bahrain – a leading building and civil engineering company based in Bahrain.

Demand for highly skilled, innovative construction managers is constantly increasing. This comes from a growing drive to find sustainable and environmentally sound construction methods and innovative management practices to replace traditional procurement routes and management methods.

The programme offers a wide choice of modules which cover the skills that modern construction professionals need in order to meet the challenges of the industry. The programme allows you the scope to develop a bespoke skill set by selecting from the range of elective modules. It provides recent graduates and experienced professionals with an outstanding opportunity to upgrade their skills in order to enhance their career choices.

The programme is also available at our London campus; visit www.gculondon.ac.uk for more details.

Brighter futures

The MSc Construction Management programme began in 1994 and has been successfully delivered to many students who are now in senior positions working in construction firms around the world. The programme is particularly suited to those who are currently employed in the construction industry and may only possess an HNC or HND but have substantial construction industry experience.

Entry requirements & English language requirements

UK honours degree 2:2 (or equivalent) in any discipline associated with the construction and property industry; or corporate membership of a construction or property-related professional body (eg RICS, RIAS, CIOB). Applicants without a formal degree level qualification may be accepted on to the PgD programme subject to relevant industry experience and discussions with the admissions tutor. IELTS score of 6.0 (or equivalent) with no element below 5.5.

Accreditation

Developed with the support of the Sector Skills Council and Industry Training Board for the construction industry (CITB), the programme is accredited by four distinct professional bodies: the Royal Institution of Chartered Surveyors (RICS); Chartered Institute of Building (CIOB); Project Management Institute (PMI); and Association for Project Management (APM).

Mode of study and duration

- Full-time: PgD nine months; MSc 12 months (Sept start) or 15 months (Jan start).
- Part-time: two years via distance learning (Sept start). Distance-learning students cover all the material away from the University and will be provided with a comprehensive study pack for each module.

Programme structure

Students complete eight taught modules – four in trimester A and four in trimester B; and an MSc dissertation in trimester C.

PgD (completion of eight modules) exit route is also available.

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Trimester A modules

Core modules: Construction Management; The Management of Health & Safety & the Environment; and Sustainable Design & Construction

Trimester B modules

Core modules: Strategic Management in Construction & Property; Construction Financial Management; and Project Management.

Elective modules (one in trimester A and one in trimester B):

Construction Economics & Procurement; Development & Project Economics; Construction Contracts & Disputes; International Construction Project Finance; and Risk & Value Management.



Assessment methods

Taught modules are either assessed by combination of coursework, discussion boards and online tests. The MSc dissertation is assessed by the submission of a conference paper and a dissertation.

Student support

Study support is available to all students throughout the MSc programme from personal tutors, module leaders and the programme leader. A designated international student advisor can also provide structured mentoring and study support sessions which cover numerous topics such as academic writing skills, personal goal setting and pastoral care.

Module information

Construction Financial Management: on successful completion of this module, students will be able to prepare and modify a developer's budget as well as to be able to discuss factors to be considered in the preparation of bids. In addition, an understanding of cash flow schedules and financial statements as well as factors which cause insolvency will be discussed.

Construction Management: introduces the key concepts in construction and property projects and enterprise management; and helps to consolidate students' prior knowledge from a variety of professional backgrounds within the construction and property industry. Concepts covered include: current management thinking; the planning and control of construction projects; management of sub-contractors (including labour-only); factors affecting productivity; the management of information; and holonic networks.

The Management of Health & Safety & the Environment: reviews the Health and Safety legislative framework within which construction projects are carried out. The emphasis will be on abstracting the fundamental and universal principle of sound risk management upon which the legislation is based. The module reviews hazardous processes from a site management perspective and outlines best-practice management processes which should be implemented by individual managers and project organisations in order to control these risks.

Masters Dissertation: provides an opportunity to undertake an in-depth investigation, with a strong emphasis on originality and analysis. The dissertation may be based on any part of the syllabus of the programme. However, demonstration of knowledge of other topics within the subject area of the programme must also be evidenced as appropriate.

Project Management: covers a range of core project management concepts and methodologies, including: the roles and responsibilities of project managers; project plan development and execution; project initiation and scope planning; project time management, estimating activity duration and schedule development and control; project communications management – project reporting and Earned Value Analysis (EVA); managing the impact of project cultures; risk management; project teams and leadership; network analysis; and computer-aided project planning.

Strategic Management in Construction & Property: offers an insight into the strategic decision-making processes necessary for organisations to establish and meet organisational goals. It also examines various types of strategies and how they may be successfully utilised.

Sustainable Design & Construction: provides knowledge and understanding of the principles of sustainable design and construction; and introduces the main requirements, technologies, tools, methods, processes and systems required to develop a sustainable building. The module will be underpinned by consideration of lifecycle thinking, consideration of management techniques and also the technological aspects of the way in which we design, build, operate, maintain and ultimately dispose of buildings and their support systems.



School of Engineering and Built Environment

Glasgow Caledonian University
Cowcaddens Road
Glasgow, G4 0BA
Scotland, United Kingdom

www.gcu.ac.uk/ebe

How to apply

You can apply to a postgraduate programme at Glasgow Caledonian University (GCU) in a number of ways: apply online or download an application form from www.gcu.ac.uk/postgraduate/howtoapply; alternatively, contact our postgraduate team on +44 (0)141 331 8640 or email them at postgraduate@gcu.ac.uk

GCU aims to process all complete postgraduate taught applications and make an initial decision within 48 hours of receipt of application, excluding weekends and bank holidays.

Scholarships

Scholarships may be available for this programme. Visit www.gcu.ac.uk/study/scholarships for details.

Fees and funding

Visit www.gcu.ac.uk/postgraduate/feesfinance for details.

