

Undergraduate Programme Specification

BSc [Hons] Construction Management

This specification provides a summary of the main features of the programme and learning outcomes that a student might reasonably be expected to achieve and demonstrate where full advantage is taken of all learning opportunities offered. Further details on the learning, teaching and assessment approach for the programme and modules can be accessed on the University website and Virtual Learning Environment, GCU Learn. All programmes of the University are subject to the University's [Quality Assurance](#) processes.

1. GENERAL INFORMATION			
Programme Title	BSc [Hons] Construction Management		
Final Award	Bachelor of Science [Hons] Construction Management		
Awarding Body	Glasgow Caledonian University		
School	School of Science & Engineering		
Department	Construction & Built Environment		
Mode of Study	Full-time Part-time		
Location of Delivery	Glasgow Campus		
UCAS Code	K252 / K220		
Accreditations (PSRB)	CIOB /RICS/CABE		
Period of Approval	From:	September 2021	To: August 2027

2. EDUCATIONAL AIMS OF PROGRAMME
The philosophy of the programme is to produce multi-disciplinary Construction Managers. These Graduates will have the required knowledge and understanding of specific Built Environment principles, integrated with an understanding of quantity surveying, building performance, commercial and project management, and reinforced with good personal, inter-personal, team-working and project management skills, to enable them to perform effectively in any appropriate environment as highly skilled Construction Managers. The broad educational aims of the programme are: ▪ Competence in project and delivery management including the knowledge, skills, and professional competences necessary to begin practice as a professional in the construction and the built environment sector. ▪ An understanding of appropriate solutions around the principles of design and technology. ▪ The ability to reconcile conflicting project objectives, finding appropriate solutions which recognise, cost, time, quality, life cycle aspects and sustainability. ▪ The ability to learn new methods, and technologies as they emerge and appreciate the necessity of such continuing professional development. ▪ Apply and understand relevant laws – describe standards, regulations and their consequences across the sector. ▪ An understanding of business management concepts, such as data management, business finance and business strategies. ▪ An understanding of the importance of applying negotiation, effective work habits, leadership, and good communication with stakeholders.

- The ability to take responsibility for obligations for health, safety, welfare environment and quality issues.
- Understand the need for and maintain a commitment to a high level of professional and ethical conduct, recognising obligations to society, the profession and the wider environment.

Expected levels of attainment through the Programme:

Year 1

Foundation for study of the discipline, establishment of “ground rules”. An outline knowledge of the scope and main areas of the discipline; an understanding of the main theories, principles and concepts.

The student will be able to:

- Use their knowledge of the subject and its techniques to evaluate a range of arguments and solutions to problems and issues of a routine nature.
- Apply their discipline-related and transferable skills in contexts which have well defined criteria.
- Undertake further learning in a structured and managed environment.

Year 2

Engagement with the core areas of the discipline to consolidate increasing competency levels. Developing knowledge and understanding of the scope and main areas of the discipline and its interaction with related areas/disciplines; familiarity and understanding of the essential theories, concepts and awareness of major issues within the discipline.

The student will be able to use their knowledge, understanding and skills to:

- Critically evaluate evidence-based arguments and identify solutions to clearly defined problems of a routine nature.
- Apply their discipline-related and transferable skills to contexts where the task and criteria for decisions are generally well defined but where responsibility and initiative is required.

Year 3

Focusing on the key specialist areas of the discipline. Developing a broad and comparative knowledge of the general scope of the different areas and applications, and interactions with related areas/disciplines. Critical understanding of the essential theories, principles and concepts of the discipline, and the ways in which these are developed.

The student will be able to use their knowledge, understanding and skills to:

- Both identify problems and issues and formulate, evaluate and apply evidence and arguments
- Apply their discipline-related and transferable skills to contexts where criteria and the scope of the task may be well defined but where personal responsibility and decision making is also required.

Year 4 (Honours)

Further extend knowledge of the specialist areas of the discipline. A systematic, extensive and comparative knowledge and understanding of the discipline, and its links to related areas/disciplines. A critical understanding of the established theories, principles and concepts of a number of advanced and emerging issues at the forefront of the discipline.

The student will be able to use their knowledge, understanding and skills:

- In the systematic assessment of a wide range of concepts, ideas and data
- In identifying and analysing complex problems and issues, demonstrating originality and creativity in formulating, evaluation and applying evidence-based solutions and arguments.

3. LEARNING OUTCOMES

The programme provides opportunities for students to develop and demonstrate knowledge and understanding, skills, qualities and other attributes in the following areas:

A: Knowledge and understanding;

- A1 Demonstrate an understanding of how buildings are put together and an awareness of the principles of design.
- A2 Develop an in-depth knowledge of management, contract law, health and safety , financial and managerial process control techniques.
- A3 Demonstrate a commercial awareness of activities and undertakings within the construction sector.
- A4 Assess client and project requirements and provide appropriate advice regarding procurement, safety, health and environment, quality, cost and management issues.
- A5 Develop cost management, contract administration and procurement expertise
- A6 Demonstrate appropriate levels of knowledge and understanding in a variety of construction topics.
- A7 Recognise and apply the appropriate generic and bespoke software that digitally supports construction.
- A8 Appreciate the importance of sustainability within the context of the built environment, including the quality of life theme and in delivering an inclusive environment.
- A9 Recognise the importance of professional ethics, their impact on the operation of the profession. And their influence on society, conflict avoidance/dispute resolution, communities and the stakeholders with whom they have contact.

B: Practice: Applied knowledge, skills and understanding;

- B1 Assess client and project requirements and provide appropriate advice regarding procurement, SHE [safety, health & environment] cost and management issues.
- B2 Apply project management and / or commercial practices to a project appropriately.
- B3 Operate and act responsibly, adhere to professional codes of practice and industrial standards, taking account of the need to progress environmental, social and economic outcomes simultaneously.
- B4 Use specialist knowledge in the disciplines of construction management.
- B5 Demonstrate a critical appreciation of the complexity and interaction of managerial, technical and environmental issues in the modern workplace.
- B6 Demonstrate proficiency in the use of digital mediums and software within the construction sector.
- B7 Use critical thinking and problem solving applied to construction management.

C: Generic cognitive skills;

- C1 Demonstrate an ability to define and solve routine problems.
- C2 Collate, summarise and analyse information.
- C3 Consider lines of evidence from a range of sources to support findings.
- C4 Demonstrate some ability to consider issues from a range of multidisciplinary and interdisciplinary perspectives.

- C5 Plan, monitor, review and evaluate own learning.
C6 Interpret and use numerical /graphical information and data as required.

D: Communication, numeracy and ICT skills

- D1 Communicate to a variety of audiences in appropriate written, graphical, electronic and verbal forms.
D2 Make contributions to group discussions and be able to negotiate with others.
D3 Numeracy as applied to the solution of quantity surveying and construction management problems.
D4 Computer literacy in handling electronic information with guidance, applying appropriate techniques, digital tools and applications to support key subjects
D5 Have an awareness of the safe, ethical and legal use of digital media.
D6 Demonstrate the application of information technology and digital tools and techniques to support key subjects.

E: Autonomy, accountability and working with others.

- E1 Self-confidence, self-discipline & self-reliance (independent working).
E2 Awareness of strengths and weaknesses.
E3 Creativity, innovation & independent thinking.
E4 Appreciating and desiring the need for continuing professional development.
E5 Reliability, integrity, honesty and ethical awareness.
E6 Ability to prioritise tasks and time management (organising and planning work).
E7 Interpersonal skills and team working.

4. LEARNING AND TEACHING METHODS

The programme provides a variety of learning and teaching methods. Programme and Module specific guidance will provide detail of the learning and teaching methods specific to each module.

Across the programme the learning and teaching methods and approaches may include the following:

- Lectures
- Seminars
- Practical classes
- Placements
- Simulation experiences
- Groupwork
- Flipped classroom approaches
- Online learning

The above approaches may be delivered either in person or online as appropriate and determined at module level by the Module Leader.

5. ASSESSMENT METHODS

The programme provides a variety of formative and summative assessment methods. Programme and Module specific guidance will provide detail of the assessment methods specific to each module.

Across the programme the assessment methods may include the following:

- Written coursework (essays, reports, case studies, dissertation, literature review)
- Oral coursework (presentations, structured conversations)
- Practical Assessment (Placement, VIVA, Laboratory work)
- Group work
- Blogs and Wikis
- Portfolio Presentations
- Formal Examinations and Class Tests

The above assessments may be delivered either in person and online as appropriate and determined at module level by the Module Leader.

6. ENTRY REQUIREMENTS

Specific entry requirements for this programme can be found on the prospectus and study pages on the GCU website at this location: www.gcu.ac.uk/study

The Course webpage specific to this Programme is: <https://www.gcu.ac.uk/study/courses/bsc-hons-construction-management-glasgow>

All students entering the programme are required to adhere to the [GCU Code of Student Conduct](#).

7. PROGRAMME STRUCTURE AND AVAILABLE AND FINAL EXIT AWARDS¹

The following modules are delivered as part of this programme:

Module Code	Module Title	Core or Optional	SCQF Level	Credit Size	Coursework %	Examination %	Practical %
M1K221945	Construction Technology 1	C	7	20	100		
M1K224313	Property Economics	C	7	20	100		
M1K203077	Professional Orientation & Practice (POP)	C	7	20	100		
M1K221884	Construction Materials	C	7	20	100		
M1K226924	Construction Contracts 1	C	7	20		100	
M1K221873	Measurement 1	C	7	20	100		
M2K230995	Construction Technology 2	C	8	20	100		
M2K230685	Digital Construction 1	C	8	20	100		
M2K225247	Construction Cost Studies	C	8	20	100		
M2K223202	Principles of Building Performance	C	8	20	40	60	
M2K221315	Construction Contracts 2	C	8	20	30	70	
M2K226937	Design and Regulation 1	C	8	20	100		
M2K226936	C&S Preparation for Placement	C	8	10	100		
M3K226918	Professional Placement Learning <i>or</i>	C	9	60	100		
MHK202886	Conservation – Not on Placement module [NP]	C	10	20	40	60	
M3K226781	Design and Regulation 2 – DE/NP	C	9	20	100		
M3K226933	Intermediate Cost Studies – Direct Entry module [DE]	C	9	20	50	50	
M3K220211	Managed Project Learning – DE/NP	C	9	20	100		
M3K220824	Construction Technology 3	C	9	20	40	60	
M3K230687	Construction Health & Safety Management	C	9	20	30	70	
M3K226932	Estimating	C	9	20	100		
MHK226974	Dissertation	C	10	40	100		
MHN226928	Project Management	C	10	20	100		
MHK226545	Sustainability and the Built Environment	C	10	20	50	50	
MHK223993	Building Information Modelling or	O	10	20	100		

¹ Periodically, programmes and modules may be subject to change or cancellation. Further information on this can be found on the GCU website here:

<https://www.gcu.ac.uk/currentstudents/essentials/policiesandprocedures>

MHK226930	Construction Contracts 3	O	10	20	100			
MHK220957	Construction & Project Commercial Management	C	10	20	100			

Students undertaking the programme on a full-time or part-time basis commencing in September of each year will undertake the modules in the order presented above.

The following final and early Exit Awards are available from this programme²:

Certificate of Higher Education in Construction Management- *achieved upon successful completion of 120 credits*

Diploma of Higher Education in Construction Management- *achieved upon successful completion of 240 credits*

Bachelor of Science in Construction Management- *achieved upon successful completion of 360 credits*

Bachelor of Science with Honours in Construction Management- *achieved upon successful completion of 480 credits*

8. ASSESSMENT REGULATIONS

Students should expect to complete their programme of study under the GCU Assessment Regulations that were in place at the commencement of their studies on that programme, unless proposed changes to University Regulations are advantageous to students. These can be found at:

<https://www.gcu.ac.uk/aboutgcu/services-and-facilities/qualityassuranceandenhancement/regulations-and-policies>

In addition to the GCU Assessment Regulations noted above, this programme is subject to Programme Specific Regulations in line with the following approved Exception:

Case No: 53

² Please refer to the [GCU Qualifications Framework](#) for the minimum credits required for each level of award and the Programme Handbook for requirements on any specified or prohibited module combinations for each award.

The honours classification for the BSc (Hons) Construction Management is calculated using only the 120 credits from SCQF Level 10 modules undertaken in the final year of study for full-time and Year 4 + Year 5 for the part-time programmes.

Modules included in the Honours classification are indicated in yellow (overleaf). For Full Time students, this is the modules undertaken in their Year 4. For Part Time students, Sustainability and the Built Environment from their Year 4 is included, whereas Work Based Learning 3 (Year 5) is **excluded** from the calculation.

FULL-TIME HONOURS CLASSIFICATION:

MHK226974 Dissertation
MHN226928 Project Management
MHK226545 Sustainability and the Built Environment

Plus ONE OPTION in Tri A and ONE OPTION in Tri B

Tri A Options

MHK223993 Building Information Modelling
MHK226930 Construction Contracts 3

Tri B Options

MHK220957 Construction & Project Commercial Management
MHK226926 Negotiation

PART-TIME HONOURS CLASSIFICATION:

MHK226974 Dissertation
MHN226928 Project Management
MHK226545 Sustainability and the Built Environment (level 4)
MHK220957 Construction & Project Commercial Management

Plus ONE OPTION in Tri A

Tri A Options

MHK223993 Building Information Modelling

MHK226930 Construction Contracts 3

VERSION CONTROL (to be completed in line with AQPP processes)

Any changes to the PSP must be recorded below by the programme team to ensure accuracy of the programme of study being offered.

<i>Version Number</i>	<i>Changes/Updates</i>	<i>Date Changes/Updates made</i>	<i>Date Effective From</i>
1.0	PSP created on new template		
1.1	Updated module codes for CT2 and CC3	April 26	Session 26-27
1.2	Changes to document in accordance with comments from Quality	July 26	Session 26-27