CIOB
The Chartered Institute of Building

Part B Application

Postgraduate Programmes

1. For Teaching Institutions seeking accreditation of a postgraduate programme
2. For Teaching Institutions with valid Accredited Centre Status now wishing to submit an additional programme
3. A separate Part B form is required for each degree programme being put forward for accreditation

Section A: Contact & programme details

1: Contact details

Date of application: DD MM YYYY

Name of teaching institution:

Faculty:

Department/ Division:

Address:

Postcode:

Title and contact name of person to whom correspondence should be addressed:

Email address:

Contact telephone: COUNTRY AREA NUMBER

If not self-validating please indicate who is the awarding body:

2: Details of programme

Programme title to be considered under this application:

Degree programme (course) code:

Delivery mode (full time/part time/sandwich/ distance/DA):

Please indicate if the programme is franchised to a separate provider:

Please list the delivery site/sites of the programme:

Programme type: ☐ Taught ☐ Blended ☐ Research ☐ Integrated ☐ Distance

Programme duration in full time mode:

Programme duration in part time mode:

Please list any pathways of the programme to be considered:

Is this a first submission? ☐ Yes ☐ No Give date of previous submission: DD MM YYYY

First cohort completion date: DD MM YYYY

Part B Application (Master's Programme)

1. Please provide details on the range, subject disposition and focus of the programme. (500 words)

2. The allocation of the academic credit			
Number of Credits		Level	
Number of Credits		Level	
Number of Credits		Level	

Modular programmes 3. Indicate study hours and credits per module						
					Hours	Credits
Standardised modules						
		Hours	Credits		Hours	Credits
Variable size modules	from			to		

4. Enter Compulsory Elements of the programme below		
Year	Number of compulsory modules	Number of optional modules
Year 1		
Year 2		
Year 3		

5. Please detail compulsory elements of the programme. (250 words)

6. Please detail optional elements of the programme. (250 words)

8. Please describe how research is accommodated in the programme and linked to the activities of the teaching institution. (250 words)

Appendices	Indicate if Appended				Document Name (if different to that shown)	Page Reference
Programme Specification Document	Yes		No			

Section C Programme aims, objectives & vocational relevance

1. Please provide details of industrial placement						
Placement Type	voluntary		compulsory		no placement	
Minimum placement period						

2. Please comment on the development of vocational and transferable skills within the programme. (250 words)

3. Briefly evaluate the balance of academic and vocational outcomes of the programme. (250 words)

4. Briefly outline the expected learning outcomes of the programme. (250 words)

5. Please summarise the aims and learning outcomes of programme subjects/modules and their contribution to the whole programme. (250 words)

6. Briefly describe how you are encouraging students to call out bad practice and to challenge the adversarial culture within the Industry. (500 words)

7. Please state how the programme contributes to other programmes in the faculty. (250 words)

8. Briefly describe mechanisms for programme review & development. (250 words)

Appendices	Indicate if Appended				Document Name (if different to that shown)	Page Reference
Module Descriptors	Yes		No			
Student Handbook	Yes		No			

Section D Student progression

1. Progression & Recruitment Trends							
Mode	Duration in Years		Number of Students Enrolled				
	Minimum	Maximum	Year 1	Year 2	Year 3	Year 4	Year 5
Full Time							
Sandwich							
Part Time							
Distance							
Other							
Pass Rate %							
Graduate Destinations – Data for past three years							
	Year						
1. Student Attrition Rates							
2. Student Progression Statistics							
3. In Employment							
4. Not in Employment							
5. Progression to further Higher Education							

2. Please use the space below to give a brief explanation of any anomalies in the data provided above. (250 words)

3. Briefly outline how progression monitoring is carried out. (250 words)

4. Please comment on facilities for transfer between programmes in the faculty. (250 words)

Section E Assessment & feedback

1. Please indicate the examination assessment regulations used by the team		
Approximate % of methods used	Unseen examination/test	Continuous assessment/Course work
Year 1		
Year 2		
Year 3		
Year 4		
Year 5		

2. Please outline the assessment mechanisms and describe how they relate to the aims, objectives and learning outcomes of the programme. (250 words)

3. Explain the processes and procedures for providing feedback on student work as well as on the students' progress and overall performance. (500 words)

SECTION F STAFF INFORMATION
1. Please provide the following details of all the staff involved on the programme. (CVs are also required).

Name	Designation - Prof, Dr, Mr, Ms etc.	Highest Academic Qualification - PhD, MSc/ MBA/ MEng, BEng/ BSc/ BA, PGDip/ PGCert, etc.	Professional Body membership and class i.e. MCIOB, FRICS, FRIBA, RIBA etc. and dates held	Class of membership of HEA, i.e. FHEA, SFHEA etc. and dates held	Number of years industrial experience (FTE)	Number of years working in education	Employment by Institution - FT or PT and if PT state fraction. i.e. 0.6 PT	Module Leadership on each of the proposed awards - please state title of modules	Module delivery - proportion of delivery hours - as % of total delivery hours on module
EXAMPLE John Smith	Prof	PhD	MCIOB 1992-present	FHEA 1998-present	20	5	FT	Programme Leader for Construction Management. Module leader for Construction Technology 2	Con Tech 1 = 40% Professional Ethics = 20% Surveying = 10%

Section G Application mapping to CIOB Master's Education Framework

1. Please provide a brief commentary on the mapping process to include issues or rationales in support of the application. Continue on a separate sheet if necessary. This is particularly important if your entrants are non cognates and the proposed programme of study demands and delivers a high level of construction or civil engineering technology in its broadest sense. Please outline below how you ensure that graduates of the programme acquire a good knowledge of the technical issues affecting the Built Environment

Appendices	Indicate if Appended				Document Name (if different to that shown)	Page Reference
Programme mapping	Yes		No			

1. Please sign and date the form below and tick off the appendices provided

Signature:

Date: DD MM YYYY

Print name:

2. Please indicate if you would like details of your accreditation announced in the relevant CIOB magazine/newsletter

- ☐ Please publish details of our accredited programme in the appropriate CIOB magazine
- ☐ Please do not publish details of our accredited programme in the appropriate CIOB magazine

3. Please tick if the appendices listed below are attached to the application

- ☐ Programme Specification Document
- ☐ Module Descriptors
- ☐ Student Handbook
- ☐ Staff CVs
- ☐ External Examiner Reports

Section H Continued application mapping to CIOB Master's Education Framework

Core Learning Outcomes

The generic learning outcomes apply to all Masters' Degree programmes in the built environment. Refer to the relevant regulatory framework in your own country. In the Uk, for example Quality Assurance Agency benchmarks and National Occupational Standards are implicit in the outcomes. The UK Quality Assurance Framework for Higher Education can be accessed at:

www.qaa.ac.uk/quality-code/qualifications-and-credit-frameworks#

Learning Outcomes	Indicative Range of Subjects	Cross Reference to Programme Modules	Key Aspects/ Method of Assessment
To be able to examine the nature of the built environment and the construction industry and appraise the collaboration of professional disciplines in a national and international environment.	The built environment as a response to social and economic need and its relationship to the natural environment. The evolving structure of the construction and the property industries. Composition of the national and international markets.		
To be able to critically analyse the effective management of the construction process and the environmental, economic and social impacts within a global context	Current project life cycle considerations and the role of the construction manager at each stage. The impact that best practice construction management can have on the environment, economy and corporate social responsibility as well as the UN Sustainable Development Goals.		
To be able to examine and have an awareness of the legal (local, national and global) context of the construction and property industries.	Professional responsibilities. Legal regulation of development. Statutory controls, contracts and torts including building safety, health, safety and environmental, data protection, GDPR and other areas of regulation.		
To be able to appraise construction and property organisations and the roles and responsibilities within and between them.	Project life cycle/role definition, team selection, target setting. Operational/production control, feedback, and analysis.		
To be able to analyse organisational and management processes.	Management and organisational theory, human resource management, Equity, Diversity and Inclusion (EDI). Creating a belonging environment. Finance, economics, marketing, strategic development, execution and change management, information management.		
To be able to analyse, critically appraise and perform complex project decision-making and associated risk management in construction management.	Evaluating and managing risk - the use of models/digital tools. Conceptual frameworks for rational decision-making in the construction / property industry. Integrating risk analysis and mitigation into the decision-making process.		

To be able to justify the relevance of construction management in the achievement of sustainable construction and low/zero carbon built environment.	Origins, concept, definitions, and developments of sustainability at national and international levels of the built environment. Functions, operation and critical evaluation of environmental assessment methodologies and tools – BREEAM, LEED, Estidama, SKA rating, Whole Life Carbon Assessment.		

To be able to demonstrate and appraise professional ethics and corporate social values and apply these to situations and choices.	The nature of professionalism and evaluation of issues confronting practicing professionals. Professional integrity and the interaction of personal and corporate responsibility/values. Commercialism, liability, change, risk. Application of skills to understand, analyse, interpret, evaluate and disseminate ethical, professional and corporate social responsibility issues such as compliance, professional competence and conduct modern slavery, corruption and fraud, responsible procurement, EDI and social value .		
To be able to demonstrate the application of key national and international legislations relevant to the built environment.	For example: Construction Design Management Regulation, Building Safety Acts, health, safety and wellbeing and environmental sustainability		
To be able to examine critical and current issues in construction management as informed by research and practice and their application to new situations.	Informed by epistemological issues and leading-edge research and practice across all aspects of construction management, including health and safety, and sustainability.		

The Skills Outcomes

The skills outcomes apply to all master's degree programmes in the built environment.

Skills Outcomes	Indicative Range of Subjects	Cross Reference to Programme Modules	Key Aspects/ Method of Assessment
To exhibit critical thinking and creativity.	Managing creative processes in self and others, organising thoughts, analysis, synthesis and critical appraisal. Capability to identify assumptions, evaluate statements in terms of evidence, detect false logic or reasoning, identify implicit value, define terms adequately and generalise appropriately.		

To demonstrate complex problem solving and decision-making.	Establishing criteria using appropriate decision techniques. Identifying, formulating and solving strategic problems, ability to create, identify and evaluate options, ability to implement and review decisions. Capability to use systems, thinking to understand complex issues holistically.		
To demonstrate effective communication skills.	Oral, written visual and presentation skills. Including the use of different media.		
To demonstrate competency in the secure use of digital applications.	Information Management, e-business, e-communication methods, data management, project/asset management systems and collaborative working platforms. The role of emerging technologies and their impact such as digital twinning AI and other industry relevant technologies.		
To demonstrate leadership and performance management skills including those within a multidisciplinary context.	Leadership, delegation, teamwork, negotiation, decision-making, problem solving, foster and promote working relationships, develop methods of conflict avoidance and resolution. The analytical approach to non-routine problems, application of judgement to provide solutions, integrated teamwork and benefits.		

Dissertation/Work-Based Project

The skills outcomes apply to Masters' Degree programmes in the built environment that include a dissertation/project element.

Skills Outcomes	Indicative Range of Subjects	Cross Reference to Programme Modules	Key Aspects/ Method of Assessment
To demonstrate advanced research skills within contemporary construction management issues.	Definition of research question(s) from literature review and the application of research methods to produce a coherent argument in support of a hypothesis/question. The appropriate and ethical use of AI /Gen AI in the research process. To prepare and present a research project.		
To demonstrate the ability to select and apply appropriate ethical research methodologies.	Informed by epistemological and ontological issues and leading-edge research and practice, review, assess and justify appropriate methodology for the study. Review of research methods, selection criteria and including the responsible use of AI /Gen AI applications and analysis techniques.		
To analyse, synthesise and evaluate key issues affecting the built environment and develop innovative solutions.	Provide appropriate analysis, synthesis and evaluation of the key issues and research instruments to develop sustainable and innovative solutions.		
To acquire and analyse construction management data and information.	Application of skills to obtain, analyse, interpret, evaluate and disseminate construction management data and information linked to a question/ hypothesis and formulate conclusions.		
To demonstrate numeracy and quantitative skills.	Application of mathematical and statistical skills, interpretation, presentation, dissemination and evaluation.		

For work-based projects – skills

The skills outcomes apply to all Masters' Degree programmes in the built environment.

Skills Outcomes	Indicative Range of Subjects	Cross Reference to Programme Modules	Key Aspects/ Method of Assessment
To demonstrate the ability to analyse industry practice.	Through the selection and application of appropriate ethical research methodologies, and through a process of critical reflection, analyse the selected practice problem.		
To reflect on learning experience related to industry practice.	To cover the topics contained within the indicative core learning outcomes.		

Masters' Degree Programmes-non-cognate entrants (learning outcomes)

Please note: The CIOB defines non-cognate as a qualification with no relevance to any aspect of the built environment discipline. The generic learning outcomes in 3.1, 3.2 and 3.3 apply to all master's degree programmes in built environment.

In the Part B master's application, you will be required to demonstrate the additional support provided for non-cognate entrants with regards to this technical and contextual knowledge to underpin study at this level, for example, pre-sessional reading, or a foundation bridging module(s)that cover key subject areas such as construction technology innovation and construction management.

The pathway focused learning programmes below are for guidance only and can be used in programme design and competency mapping. The CIOB Accreditation Panel will consider for accreditation further pathways that may differ from the suggested learning outcomes in this section of the Education Framework e.g. Real Estate Development, BIM and Digital Construction and Sustainable Construction Management.

Guidelines for Masters' Degrees in Quantity Surveying and Commercial Management

Learning Outcomes	Indicative Range of Subjects	Cross Reference to Programme Modules	Key Aspects/ Method of Assessment
To be able to critically assess the technical aspects of corporate and commercial management.	Complex issues of legal and financial management both for an organisation and a project. Financial planning, objective setting, business growth, bidding strategy, commercial intelligence, strategic development and management of change. Preparing and evaluating bidding documents, setting and managing a project budget. Forensic examination of cost and value, and contractual entitlement.		
To be able to appraise and apply the legal aspects of corporate, governance, contractual and commercial procedures within a complex global construction context.	Company and partnership law in joint ventures, Public Private Partnership (PPP) and other special purpose vehicles, for example Private Finance Initiative (PFI) . Critical appraisal of contract, tort and a client relationships. Contracts, set up, governance, operation, completion, determination, settlement of accounts, claims, dispute resolution and case law.		
To be able to design and evaluate a property development strategy.	Owner, user, social, environmental sustainability considerations. Development, acquisition, disposal, the capitaland property asset market; design evaluation, value engineering, risk management, planning gain, sources of finance, property life cycle.		
To be able to perform advanced strategic corporate management skills.	This outcome could be achieved in the context of a real or simulated project, based on a case study of an organisation. It could include the technical and financial aspects of corporate strategy. Commercial intelligence, resource and business planning, strategic procurement decisions, feedback and analysis. Contingency planning and corporate sustainability.		

To be able to perform advanced commercial management skills.	This outcome could be achieved in the context of a real or simulated project, based on a case study of a development. It could include critical appraisal of procurement options and contract strategies, project financial management, cost planning, tendering and estimating strategies, and cost value reconciliation. Application of quantification and costing, measurement standards and the use of digital tools therein. Cost Management to inform stakeholder negotiations, time, cost, value, plan, programme, resource, production, building safety, health and safety, quality, human resources, environment and sustainability. Understanding of the importance of integrating whole life carbon and cost reduction strategies in building design and the impact of value engineering on the delivery of environmental objectives.		

Learning Outcomes for Masters' Degrees in Project Management

The role of the project manager has been defined in the CIOB Code of Practice for Project Management for Construction and Development, 6th Edition., Wiley-Blackwell 2022. The principles of the CIOB Code of Practice for Project Management are implicit in the Education Framework outcomes below.

Learning Outcomes	Indicative Range of Subjects	Cross Reference to Programme Modules	Key Aspects/ Method of Assessment
To be able to critically assess the technical aspects of project management.	Complex issues of project management both for an organisation and a project in a project programme and portfolio context. Complex issues of operational management, human resources management and time/cost optimisation. Whole life considerations include carbon and sustainability, building commissioning, handover, building in use and end of life management.		
To be able to appraise and apply the legal aspects of project management procedures within a complex built environment context.	Critical appraisal of contract and client relationships considering Building Safety, H&S, EDI, and environment and sustainability. Contract set-up, operation, completion, determination, settlement of accounts, claims, dispute resolution and case law.		
To be able to perform advanced project management skills.	This outcome could be achieved in the context of a real or simulated project, based on a case study of a development. It could include project role definition, feasibility studies and appraisals, strategic sustainable procurement, risk management, information management and collaborative working decisions, team selection, target setting, operational/ production control, decision-making, problem solving, feedback, analysis, subsequent action. Project management to inform stakeholder engagement, time/cost value, plan/ programme, resource, production, health, welfare and safety, quality, human resources, environment and sustainability. Demonstrate the role of the Project Manager, in project governance in driving sustainability by incorporating environmental, social and governance considerations into project planning, execution, and monitoring processes.		
To be able to perform high level planning and programming skills.	This outcome could be achieved in the context of a complex project/multiple project scenario to include project scope and definition, assembly of data, use of method statements and use of appropriate digital technologies and information to produce effective project programmes.		

Learning Outcomes for a Masters' Degree in Design Management, Architectural Technology or Architectural Engineering

Learning Outcomes	Indicative Range of Subjects	Cross Reference to Programme Modules	Key Aspects/ Method of Assessment
To be able to critically assess the technical aspects of design and management in construction.	Complex issues of design and management within the environment and the role of digital construction, information management and BIM. The management of design processes to include client brief analysis, evolution of design, the development of drawings and other production information to achieve buildability, building safety, inclusivity, client satisfaction, value, end user satisfaction and sustainability.		
To be able to critically appraise contractual procedures and construction law within the context of design management, architectural technology or architectural engineering.	Critical appraisal of client contracts, procurement, assurance, contract set up/operation/completion/ determination, claims and disputes. Statutory and regulatory considerations in a design context including health, welfare, safety, inclusivity and sustainability.		
To be able to perform high level planning and programming skills.	For a complex project scenario, define the scope and the management aspects of models, production information and resources. The use Of information technology techniques within the design process.		
To be able to perform advanced design management skills.	This outcome could be achieved in the context of a real or simulated project, based on a complex design management scenario and address pre-contract and post contract design management issues. It could include a critical appraisal of the project, team selection, operational/production control, feedback, and analysis. Design management to inform client negotiation, quality, plan/programme, human and other resources, health, welfare, safety, inclusivity, design economics, cost planning and sustainability. Demonstrate a tole of design management incorporating sustainability principles into the design process, selecting sustainable materials, and ensuring that designs are sustainable across the whole life of the building.		

Learning Outcomes for a Masters' Degree in Building Surveying

Learning Outcomes	Indicative Range of Subjects	Cross Reference to Programme Modules	Key Aspects/ Method of Assessment
To be able to critically evaluate technical aspects in the design, management and effective operation of built assets.	Complex issues of design, management and effective operation management considered from the organisation, building user and project perspectives. It is anticipated that reference is made to building condition surveys, building pathology, space planning and computer aided facilities management systems to balance time, cost, carbon and value challenges. The management of facilities design and operational processes including briefing and design development, utilising models, drawings and production information to address buildability, affordability and maintenance issues. Whole life considerations: sustainability and carbon, building commissioning, handover, management, care and repair of the building during use, refurbishment and any potential future re-use/replacement of the asset/facility.		
To be able to appraise and apply premises, construction and employment law to the safe and effective management of complex built assets.	Critical appraisal of client and contract supplier relationships. Company law, joint ventures, partnering, and other appropriate special purpose vehicles, i.e Public Private Partnership (PPP), Private Finance Initiatives (PFI). Contract operation, completion, determination and settlement of accounts, claims, dispute resolution and case law applicable. Statutory and regulatory considerations of design and operational use of facilities; fully embracing health and safety management, and environmental sustainability considerations. Human resource management, including: industrial relations, EDI, employment law and health, safety and environment legislation.		
To be able to perform high level planning and programming skills.	Use of information technology techniques to support effective asset management processes for achieving best value delivery of strategic and operational services.		
To be able to perform advanced facilities management skills.	This outcome could be achieved in the context of a real or simulated project, based on a case study of a development or existing facility. It could include project/ role definitions, feasibility studies and appraisals, market research and locational factors, strategic procurement decisions, team selection, target setting, operational/ production control, decision-making, problem solving, feedback, analysis and action. Factors will include stakeholder negotiations, time/cost value, plan/programme, resource, production, health and safety, quality, human resources, accessibility, maintenance planning, environmental sustainability. Demonstrate and understanding of the range of services surveyors contribute to a sustainable built environment.		