1. Overview/ factual information

Programme/award title(s)	BSc (Hons) Construction Management
Date of first Validation	July 2024
Date of latest (re)validation	December 2024
Next revalidation	XXX
Credit points for the award	360
UCAS Code	F6U2
HECoS Code	K200
Programme start date and cycle of starts if appropriate.	September 2025
Underpinning QAA subject benchmark(s)	Land, Construction, Real Estate and Surveying (2024)
Other external and internal reference points used to inform programme outcomes. For apprenticeships, the standard or framework against which it will be delivered.	CIOB Education Framework for Undergraduate Programmes - 2018 Edition Qualification Frameworks (2024) UK Quality Code for Higher Education (the Quality Code) 2024 NMITE Graduate Attributes NMITE Guiding Principles for Learning & Teaching
Professional/statutory recognition	Accreditation via CIOB, will be sought in the first instance
For apprenticeships fully or partially integrated Assessment.	N/A
Mode(s) of Study (PT, FT, DL, Mix of DL & Face-to-Face) Apprenticeship	FT –standard mode of attendance (including 60 credit work placement of 16 weeks duration)
Duration of the programme for each mode of study	3 academic years
Dual accreditation (if applicable)	N/A
Date of production/revision of this specification	December 2024

Please note: This specification provides a concise summary of the main features of the programme. More detailed information on the learning outcomes, content, and teaching, learning and assessment methods for each module on the programme can be found in the individual module descriptions and programme regulations.

The accuracy of the information contained in this document is reviewed by NMITE, changes to this information can only be made through the approved programme and module change procedures.

2. Programme Aims

The aims of the programme

The programme aims to:

- Equip graduates with core construction management competencies, enabling them to lead and deliver successful projects in the built environment, while contributing to a more sustainable future;
- Imbue students with the ability to navigate and add value to contemporary building practice, gained through effective learning approaches, and interacting with employers and the community;
- Instil expertise in essential construction management areas, such as project planning, cost control, risk management, and stakeholder collaboration, while nurturing sensitivity to environmental, social, legal, and ethical responsibilities;
- Encourage a desire to identify problems that need solving, and to find creative solutions to society's challenges; and
- Develop agile, independent, curious, resilient, and passionate graduates with a clear professional identity as construction managers, prepared to adapt to evolving industry demands.

3. Relationship to other programmes and awards

3.1 Where the award is part of a hierarchy of awards/programmes, this section describes the articulation between them, opportunities for progression upon completion of the programme, and arrangements for bridging modules or induction

N/A

3.2 List of All exit awards:

Cert HE Construction Management (120 credits)
DipHE Construction Management (240 credits)
BSc (ordinary degree) Construction Management (300 credits)
BSc (Hons) Construction Management (360 credits)

4. Teaching, Learning and Assessment

4.1 Students will be supported on the programme with the following teaching and learning methods:

This is a studio-based course with high levels of social, active, and integrative learning. It is explicitly designed to prepare students for careers in construction management by emphasizing both the technical and managerial aspects of the discipline. This is complemented by meaningful reflection and consolidation space, well-structured and explicit professional skills, an assessment-for-learning philosophy, and carefully supported interactions with industry and community. The programme is challenge-led and utilises a block delivery of learning with deep integration of employers and community in the learning experience. This approach ensures students gain hands-on experience in core construction management practices such as project planning, cost estimation, contract management, and stakeholder engagement. Modules are taken sequentially and are typically 8 weeks in duration. In each 8-week module, students undertake real-world challenges whilst working predominantly as teams in a studio environment. These challenges are designed to simulate professional construction management scenarios, allowing students to develop critical problem-solving, team leadership, and decision-making skills. Each challenge highlights and hones areas of practice in the built environment and embeds sustainability whilst maintaining the integrated approach intrinsic to the programme.

4.2 Students will be summatively assessed using the following assessment methods:

Each module will be summatively assessed using multiple assessments. Assessments may be individual or team submissions and this is indicated on module specifications. Across the programme, teams and individual assessments are split roughly equally. Assessment formats in this programme include: designs; video; posters; performance evaluation report; tutorial questions; industrial report; Q&A (oral assessment); risk assessments; monitoring plan; diagnostic report; project plans; comparative essay; presentation; portfolio; performance management plan; assurance plan; data visualisation; specification; written assessment of case study; role play; dissertation; viva voce.

4.3 Student Development over the course of the programme (by levels as appropriate):

Level 4	Students will be introduced at FHEQ Level 4 to the fundamentals of the built environment through a lens of sustainability, including materials, methods and technologies. In team-based, challenge-led learning, students will be able to apply their developing skills to analyse standard problems in a multi- and interdisciplinary way. Throughout FHEQ Level 4, students will develop their independent learning capabilities together with collaboration and team-building skills.

Level 5	At FHEQ level 5, students will further expand and apply their knowledge of the built environment to problems that focus more deeply on the construction lifecycle and in integrating their knowledge and skills to date into the planning and management of more complex projects. Students will be provided with the opportunity to propose alternative solutions to built environment challenges that benefit from sustainable solutions. Half of Level 5 is spent in the work environment on a placement, enabling students to experience real context and promote critical evaluation of what they are learning and their workplace's practices.
Level 6	By the end of FHEQ Level 6, it is expected that students will have become self-motivated, efficient, and organised independent learners, classically demonstrated through an independent enquiry- or design-led Bachelor's dissertation. Focus will be given to developing a deeper, more nuanced understanding of context and more complex, integrated challenges.

5. Admissions Criteria

Provide an overview of typical expected entry qualifications, including normal UCAS tariff points, any required subjects and IELTS requirement as appropriate:

- GCSE Maths and English should be Grade 5 or above;
- 112-144 UCAS points (or equivalent); or
- RPEL admission for applicants with prior experiential learning who demonstrate a strong probability of likely success; or
- Successful Completion of the NMITE foundation year;

Students whose first language is not English:

- IELTS 6.0 (with minimum of 5.5 in each component), *on condition of students having received English-medium instruction and passed a qualification at Level 2 or above;*
- IELTS 6.5 (with a minimum of 6 in each component), *where students do not have English-medium instruction at Level 2 or above*

6. Distinctive Programme/ Structure Features

Whilst there has been a reluctance (or lag) in engineering and technology departments to offer courses that specifically target environmental sustainability as a goal, this is undergoing rapid evolution. The BSc Construction Management programme at NMITE is explicitly designed to provide a robust foundation in construction management principles, preparing students for professional practice in the field.

BSc Construction Management and BSc Surveying courses are commonly offered, and sometimes include sustainable practices; such content is typically in the terminal year, or as an MSc specialism. In contrast, the NMITE BSc Construction Management degree integrates core construction management principles, including project planning, cost estimation, and contract administration, with sustainability as a central theme woven throughout the course. Sustainability will be included from Year 1 and in every year of study. This dual focus ensures that students are equipped with both the technical competencies of construction management and the critical understanding of sustainability challenges in the built environment. In particular, the focus on biogenic materials in the built environment will be unparalleled and be closely connected to the research efforts and external partnerships of the Centre for Advanced Timber Technology. Moreover, given the recognised deficiencies of current construction practices leaners will be exposed to new technological advances including offsite and modern methods of construction.

This course offer fits into the demographic that targets sustainable built environment in its broadest (and most accreditable) sense, with significant focus on sustainable (and, in particular, biogenic) materials. It aligns with construction management's core principles while extending the discipline into areas of emerging relevance, such as sustainable construction technologies and methods. The course is also distinguished by an NMITE pedagogy of rich challenge-led learning and extensive industrial and community engagement and will make broad use of digital technologies in the built environment and related activities, from how to paginate a document to BIM and monitoring datasets.

7. Support for Students and their Learning

Students at NMITE can access a range of support via Student Services, who provide both direct support and signposting on a range of issues, including student living, health and wellbeing, money matters, and student engagement and representation. Student Services is based at the Blackfriars campus, and students can access support both on a drop-in basis or via a bookable appointments system.

Each student is allocated a Personal Tutor upon arrival at NMITE. Personal Tutors are the first point of contact for academic advice and guidance. They monitor students' progress, provide structured support for academic and professional development, and support students' wellbeing, working closely with the Student Services.

The Academic Skills and Knowhow (ASK) Centre is a key element of supporting students within NMITE with their broader academic learning. Students can both drop into the ASK for support with their learning and book individual and group support sessions.

The BSc will be based at NMITE's Construction Excellence award winning for social value Skylon campus. This building houses two 700m^2 workshops and five 100m^2/each studios. The building is of hybrid construction and acts as "Living Lab" showcasing timber modern methods of construction and hosts the Centre for Advanced Timber Technology (CATT). CATT was established in partnership with sector to "stimulate collaboration across the industry both vertically (seed to end product) and horizontally (architecture, construction, digitalisation) as a common theme together with showing a wider audience how rewarding a career in timber can be." CATT UK wide collaborations have connected local sustainable forestry management and construction practice ecosystems resulting in new research efforts to maximise the value of English woodland resource, create award- winning training and educational programmes (CIAT and CIOB endorsed), and stimulated local impact with national relevance as evidence by the 2023 UK Government Timber in Construction Roadmap citing it for best practice approaches. Via these extensive efforts CATT has established itself as a recognised centre of excellence and is a CITB Accredited Training Organisation. This network of partnership and profile will be leveraged to maximise student placement opportunities.

Students will use Canvas as their Virtual Learning Environment (VLE), where they can access all key programme information together with a range of learning materials to support their study. Students also consult books at Hereford Library and are also provided with access to online journals and a 'Resource Room' at the Blackfriars campus.

8. Programme Structure and learning outcomes (for each level of the programme)

8.1 Level 4

Level Learning outcomes

4a Subject Specific Knowledge and Skills
At the end of level 4, students will be able to: 4a1: Describe the organisational context of construction, focusing on key construction management principles, including the coordination and oversight of processes, performance, projects, and people 4a2: describe the importance and key facets of ethical, professional, and inclusive behaviour in the built environment, emphasizing their role in effective construction project management and team leadership. 4a3: Take personal responsibility for safe working practices, and understand key relevant health and safety legislation and practices as applied to construction management and site operations. 4a4: Describe the key principles of five capitals frameworks for sustainability, methods of sustainability assessment, and the role of the built environment in achieving a more sustainable world, with specific reference to construction management decision-making and practices. 4a5: Describe the external environment of construction, including political, history, law, economic, social, finance, and costing, and its influence on construction management strategies. 4a6: Describe and illustrate a range of construction technologies including building elements, building services, remediation and refurbishment strategies, surveying, building materials, and information systems, with an emphasis on their application in construction management to enhance project outcomes and sustainability.
4b Professional Capabilities
At the end of level 4, students will be able to:

4b1: In the context of a study environment, demonstrate the skills necessary for a collaborative and productive approach to project work, including setting and reviewing work objectives, monitoring and controlling work activities, effective meeting skills, and productive interpersonal skills and informal communication 4b2: Effectively communicate ideas to a technical and non-technical audience through a range of media 4b3: Investigate problems, causes and effects and use these to identify and determine solutions to problems

Level Modules

Compulsory Modules		*Credits*	*Is module Compensatable (Y/N)*	*Level Learning outcomes this module supports*	*PSRB requirements for this module (if applicable)*
Code	*Name*				
CM4001	Sustainability and Construction	30	Y	A2 – A4 – A5 – B1 – B3	See CIOB map
CM4002	Materials for the built environment	30	Y	A3 – A4 – A6 – B1 – B2 – B3	
CM4003	Introduction to Construction Systems and Processes	30	Y	A1 – A2 – A3 – A5 – A6 – B1 – B2 – B3	
CM4004	Digital Technologies and Building Performance	30	Y	A1 – A2 – A4 – A5 – A6 – B1 – B2 – B3	

Exit qualification at this level: Certificate in Higher Education Construction Management - exit qualification on successful completion of all level 4 credits

8.2 Level 5

Level Learning outcomes

5a Subject Specific Knowledge and Skills
At the end of level 5, students will be able to: 5a1: Apply and evaluate their knowledge of managing processes, people, and projects across the lifecycle of a building, demonstrating construction management competencies in real-world contexts. 5a2: Prepare and execute plans that apply key facets of ethical, professional, and inclusive behaviour to construction management scenarios in the built environment. 5a3: Analyse and manage health, safety, and welfare in projects, developing risk management strategies tailored to construction projects and identifying how sustainable and natural materials influence these considerations. 5a4: Analyse the contribution of the five capitals framework, and concepts of 'low energy', 'healthy', and 'passive' design to construction management practices, particularly in meeting and anticipating legislative drivers. 5a5: Evaluate the external environment of construction, including political, history, law, economic, social, finance and costing, and propose construction management solutions that address these complexities effectively. 5a6: Undertake design option appraisal which applies and evaluates a range of construction technologies including building elements, building services, remediation and refurbishment strategies, surveying, building materials, and information systems, assessing their impact on construction project outcomes and sustainability goals.
5b Professional Capabilities
At the end of level 5, students will be able. 5b1: Professionally communicate ideas to technical and non-technical audiences through a range of media 5b2: Utilise project management skills and processes in their work 5b3: Evaluate own strengths and weakness as an emerging professional, and prepare a self-development plan with provision for review and reflection

5c1: Demonstrate the skills necessary for a collaborative and productive approach to project work, including setting and reviewing work objectives, monitoring and controlling work activities, effective meeting skills, and productive interpersonal skills and informal communication 5c2: Describe the legal and regulatory context of the job, including construction law, civil law, and health, safety and welfare legislation, and comply with responsibilities of the role in this regard 5c3: Identify the impact/consequences of making decisions and describe the implementation of risk control measures 5c4: Investigate the quality of a product, service or process

Level 5 Modules

Compulsory Modules		*Credits*	*Is module Compensatable (Y/N)*	*Level Learning outcome this module supports*	*PSRB requirements for this module (if applicable)*
Code	*Name*				
CM5001	Built Environment Lifecycle and Circular Economy	30	Y	A2 – A3 – A4 – A5 – B1– B3 – C1 – C2 – C3	See CIOB map
CM5002	Construction process and people management	30	Y	A1 – A2 – A3 – A5 – A6 – B1 – B2 – B3 – C1 – C2 – C3 – C4	
CM5003	Industrial placement	60	N	A1 – A2 – A3 – A4 – A5 – A6 – B1 – B2– B3 – C1 – C2 – C3 – C4	

Exit qualification at this level: Diploma in Higher Education Construction Management

8.3 Level 6

Level Learning outcomes

6a Subject Specific Knowledge and Skills
At the end of level 6, students will be able to: 6a1: Select and apply ethical research methods, and analyse, synthesise, and evaluate a key issue in the context of an individual study relevant to the construction management and the sustainable built environment 6a2: Demonstrate creativity and innovation by applying their cumulative knowledge and skills to create solutions for positive change towards a more sustainable built environment. This will typically include project plans, technical feasibility studies, compliance evaluations, cost-benefit analyses, and impact assessments, framed within construction management contexts.
6b Professional Capabilities
At the end of level 6, students will be able to: 6b1: Effectively communicate professional strengths, interests, and achievement in a professional portfolio

Level Modules

Compulsory Modules		*Credits*	*Is module Compensatable (Y/N)*	*Level Learning outcome this module supports*	*PSRB requirements for this module (if applicable)*
Code	*Name*				
CM6001	Regulatory Framework and Professional Practice in Construction	30	Y	A1 – B1	See CIOB map
CM6002	Advanced Leadership and Project Management in Construction	30	Y	A2 – B1	
CM6003	Digital Technologies for Retrofitting and Building Management	30	Y	A2 – B1	
CM6004	Bachelor's Construction Management Project	30	N	A1 -A2 – B1	

Exit qualification at this level: BSc Construction Management (ordinary degree) (300 credits)
Exit qualification at this level: BSc (Hons) Construction Management (360 credits)