



PRE-READ:
**MSci Construction Project Management
Programme Information**

About the MSci Programme

- An integrated Masters programme (undergraduate point-of-entry, just like an MEng).
- To meet the QAA Benchmark Statement for Land, Construction Real Estate and Surveying.
- Replaces previous BSc Project Management for Construction programme (RICS).
- Aiming for RICS and APM dual accreditation.
- Full-time, based in Bloomsbury campus.
- Planned intake (from October 2023): 30 students per annum.
- Population: 50% Home/UK: 50% International/EU.
- Entry grades: AAA (no specific subjects) + AAB 'contextual' offer.

Our USP:

1. Combines training in the commercial management of projects with a strong grounding in construction design, technology and production.



Our USP:

2. Addresses head-on the fundamental project, procurement, financial and management challenges posed in The Construction Playbook.



Our USP:

3. Builds on the School's commitment to embracing sustainable construction technologies, practices, and principles.



“Students will learn about digital construction technologies that facilitate the circular economy, will be trained in life-cycle assessment modelling to manage climate impacts of construction processes, will learn how to design for sustainable materials and structures, and will reflect on the industry’s responsibility to deal with solid waste, energy consumption, GHG emissions, and air pollution by learning to do supply chain audit and accreditation, as well as, in a more general sense, to learn to design, build and operate socially and economically inclusive spaces.”

Programme Structure

- MSci in Construction Project Management.
- Two programme options:
 - Without placement year: 4 years full-time study at UCL.
 - With placement year: 5 years, with one year placement (i.e. 2+1+2 'thick sandwich').
- Modules traverse four content themes: Technology, Economics & Finance, Management and Law.
- Years 1&2 – content is common for all students; includes one field trip per annum (paid by BSSC); year-long module format.
- Years 3&4 – term-long modules; students specialise by selecting one of three streams (project management, estate management, and design management) and complete their dissertation.

PM: Project Management

- Theories and practice
- Buildings and infrastructure
- Leadership and strategy
- Supply chains

EM: Real Estate Management

- QS/commercial practice
- Valuation
- Investment
- Modelling of dynamics
- Financial strategy

DM: Design Management

- Design process, info and people
- Manufacture/off-site
- Quality and safety
- Value and procurement

Year One



YEAR ONE (all compulsory)	TECHNOLOGY	ECONOMICS & FINANCE	MANAGEMENT	LAW
	BARC0092 Making Cities: the Production of the Built Environment (15)			
	Introduction to the Construction Industry (15)			
	Introduction to the Construction Profession (15)			
	Construction Technology 1 (15)	Business Economics (15)	Introduction to Management (15)	Introduction to Law & Contracts (15)
	BCPM0062 Materials & Structures (15)			

Module	Description	Exam	Coursework
Business Economics	Theories and concepts of accounting are introduced, with their business applications; students have feedback from a mid-year test and end with a closed-book exam.	100% (30+70)	-
Con Tech 1	Lectures cover superstructure construction methods and introduce BIM and other digital technologies, leading to submission of a lab book and method statement.	-	100%
Intro to Con Ind	Students hear about the history and development of the industry and its context, and submit a portfolio, which includes a BIM exercise.	-	100%
Intro to Con Prof	Lectures cover skills and standards in professional life, including ethics, ESG and CSR; they submit a portfolio, which includes blog posts.	-	100%
Intro to Law & Contracts	Drawing on two existing modules, students cover UK legal system and pre-contract admin, QS practice at early RIBA stages; in-class quizzes lead to an open-book exam.	100%	-
Intro to Mgt	Students write an outline and term paper following lectures on the management of people and organisations, covering theories, concepts, applications and case studies.	-	100% (10+90)
Making Cities	A cross-faculty module in which students work and learn in interdisciplinary teams to create a film portfolio about projects in London, drawing on lectures from practitioners.	-	100%
Mats & Strucs	Drawing on an existing module, students cover structural and non-structural materials for new and historic buildings, leading to submission of a portfolio and lab book.	-	100%

Year Two



YEAR TWO (all compulsory)	TECHNOLOGY	ECONOMICS & FINANCE	MANAGEMENT	LAW
	BCPM0080 Built Asset Management (15)			
	Statistics and Data Analytics (15)			
	Sustainable Design Economics (30)			
	Construction Technology 2 (30)	Project Financial Control & Reporting (15)	Introduction to Project Management (15)	

Module	Description	Exam	Coursework
Built Asset Mgt	Based on an existing module, lectures cover building and infrastructure asset life-cycle, including risk and scenario planning; students submit an essay and give a presentation.	-	100% (90+10)
Con Tech 2 (30)	Drawing from three prior modules, students learn about finishing , interiors and offsite, as well as regulatory matters; there is a focus on services, plus site visits; BIM skills are taught in labs; formative groupwork is followed by a term paper and open-book exam.	50%	50%
Intro to Proj Mgt	Students write an outline and term paper following lectures on the history, principles and theories of PM – including its failures and challenges.	-	100% (10+90)
Proj Fin Cont & Reptg	Focusing on the construction phase, lectures cover forms of contract as well variations and forecasts; groupwork is used to help students prep for an open-book exam.	100%	-
Stats & Data Analytics	An important foundational module with lectures covering stats methods, analysis and econometrics as well as big data and ML, culminating in an open-book exam.	100%	-
Sust Design Eco (30)	Students learn how to develop designs appropriate to client resources, balancing VFM with sustainability; the module covers measurement, tendering and BoQ as well as post-contract evaluation; students submit a portfolio and have an open-book exam.	50%	50%

Year Three



YEAR THREE	TECHNOLOGY	ECONOMICS & FINANCE	MANAGEMENT	LAW		
	Sustainable Procurement and Contract Administration (30)				Compulsory modules	
	Technology and Design over the Whole Life Cycle (15)					
			BCPM007 Managing the Professional Service Firm (15)			
	DM2: Planning and Managing the Design Process (30)			DM1: Managing Requirements and People (30)		
		EM2: Urban Economics and Valuation (30)	EM3: Managing the Development Process (15)	EM1: Law of Real Property and Administrative Law (15)		Choice of three streams
			PM1: Project and Supply Chain Management (30)			
			PM2: H, S, Q and Env Sustainability (30)			

Module	Description	Exam	Coursework
Manag the Prof Serv Firm	Modelled on an existing module, lectures focus on firms – their human asset base, competitiveness and market position. Students submit a term paper.	-	100%
Sus Procmnt and Contract Admin (30)	Drawing on prior modules, lectures cover routes for procurement, noting industry and legal requirements, VFM and post-contract admin, negotiation and fair practice – all set in a sustainable approach. Leads to a term paper and open-book exam.	50%	50%
Tech and Des over the WLC	Based on a prior module, there is a strong focus on project briefing and early stages, and how these lead to success – or otherwise. Groupwork in class leads to a portfolio submission.	-	100%

Module	Description	Exam	Coursework
DM1: Man Reqs and People (30)	Students produce a portfolio and essay, following lectures on managing people and firms in the design supply chain; it covers concepts like systems integration and co-creation of value, and the knowledge brokering role of the DM.	-	100%
DM2: Plng and Man Des Process (30)	Lectures cover theory and case studies in (design and project) information management, design/building quality, UK regulation and legislation – notably covering structures and services; leads to a term paper and open-book exam.	50%	50%

Module	Description	Exam	Coursework
EM1: Law of Real Prop and Admin Law	Lectures cover property and public law, in the context of real estate (i.e. freeholds, leaseholds, covenants etc) as well as aspects of planning regs and by-laws. Students complete an open-book exam at the end.	100%	-
EM2: Urban Econ and Valuation (30)	Students learn about location and property values in a holistic module which brings in taxation and services as well as factors such as inequality; quantitative techniques are presented; students complete a term paper and open-book exam.	50%	50%
EM3: Man the Dev Process	This module focuses on all the stages of the development process, using lectures and site visits to explore client-oriented models and case studies and stakeholder engagement; students submit a portfolio.	-	100%

Module	Description	Exam	Coursework
PM1: Proj and Supp Ch Man	Leading to a portfolio and essay, students hear about SCM for complex major, infrastructure projects, drawing on case studies and debating different SC methods and various factors, such as ethics, modern slavery and social value.	-	100% (50+50)
PM2: H, S, Q and Env Sus	This draws on an existing module to focus on HSEQ management and practice, legislation on climate change and carbon, as well as safety and quality – notably Post-Grenfell; students produce a blog and do an open-book exam.	50%	50%

Year Four



YEAR FOUR	TECHNOLOGY	ECONOMICS & FINANCE	MANAGEMENT	LAW	
	Dissertation (60)				Compulsory
	DM3: Design for Manufacture, Sustainability and Buildability (30)		DM4: Managing risk and Project-Based Learning (30)		Choice of three streams
			EM4: Financial Institutions and Real Estate Investment (30)		
			EM5: Financial Modelling and Value Dynamics (30)		
PM4: Strategic Financial Management of Projects (30)		PM3: Project Leadership (30)			

Module	Description	Exam	Coursework
Dissertation	Students produce a 10,000 word research dissertation on a chosen subject, as the capstone submission for their MSci programme.	-	100%

Module	Description	Exam	Coursework
DM3: Des for Manuf, Sus and Bldblty (30)	Taking a whole life cycle view, and instructing students on LCA approaches and modelling, the module tackles how construction can use new technologies and includes site visits to off-site manufacturing firms; students submit a portfolio.	-	100%
DM2: Man Risk and Proj-based Learn (30)	Lectures cover information management, security and IPR notably in the context of BIM and effective management of knowledge through the project, leading to submission of an online portfolio. It includes international case studies.	-	100%

Module	Description	Exam	Coursework
EM4: Fin Instns and Real Est Invest (30)	The module covers all the parties in supply-side and buy-side of real estate investment, including creation and management of portfolios. Students complete an MCQ and an open-book exam. This course aligns with the CISI curriculum.	50%	50%
EM5: Fin Mod and Value Dynamics (30)	Asset pricing and the factors which affect it at micro and macro level are all explored in this module, through a major modelling exercise. Students complete a model and an open-book exam. This course aligns with the CISI curriculum.	50%	50%

Module	Description	Exam	Coursework
PM3: Project Leadership (30)	Students hear about strategic thinking for major projects, and how value is created through service exchanges, going beyond routines and institutions; it includes contributions from industry leaders; assessed via a portfolio/video.	-	100%
PM4: Strat Fin Man of Projects (30)	Drawing on a previous module, the course focuses on finances for construction and infrastructure delivery, taking in portfolio and corporate views. Students submit an essay and complete an open-book exam.	50%	50%