

Apprenticeship Specification

Apprenticeship Summary Information		
1	Apprenticeship Title	Construction Site Management (Degree) (ST0047) Apprenticeship
2	BCU Apprenticeship Course Code	US1117
3	Awarding Institution	Apprenticeship Qualification is awarded by the End Point Assessment Organisation chosen by Employers: To be agreed Birmingham City University, as the training provider, awards the academic qualification.
4	Teaching Institution(s) (if different from point 3)	Birmingham City University
5	Professional Statutory or Regulatory Body (PSRB) accreditation (if applicable)	Institute for Apprenticeships and Technical Education (IfATE) ST0047 Royal Institution of Chartered Surveyors (RICS) Chartered Institute of Building (CIOB)
6	Apprenticeship Description	
	<p>A Construction Site Manager is a highly trained and experienced professional who delivers construction projects from inception and design through to occupation. They also provide expert consultancy advice in property construction and related environmental issues. Construction Managers work independently, and with others to manage, plan, organise and deliver construction projects in line with the best available evidence and the values of the Chartered Institute of Building (CIOB).</p> <p>The Degree apprenticeship in Construction Management has been designed in line with the needs of potential employers in the public, private and third sectors. It has also been developed in accordance with the requirements of the CIOB and Royal Institution of Chartered Surveyors (RICS).</p> <p>Both forms of accreditation will allow you to progress through your studies as a student member before working towards your professional qualification in Industry.</p> <p>Construction Managers will have a breadth of knowledge and a flexible, portable skill set to serve the Built Environment industry in a range of settings covering pre-contract to project completion. The Construction Site Manager Apprentice must meet the criteria set out in the Construction Site Manager Apprenticeship Standard, prior to taking their end-point assessment.</p> <p>What's covered in the apprenticeship?</p> <p>Our Construction Site Management (Degree) Apprenticeship matches the needs of the industry, preparing you to be able to manage a construction project from inception and design through to occupation by developing your skills in management to enable you to deliver projects safely, on time, on budget and to the highest possible quality.</p> <p>The complexity of construction projects requires construction professionals who have expertise in construction management and can work effectively with people from different cultural backgrounds and construction disciplines.</p>	

You will learn about the immediate and long-lasting effect which construction activities have on the environment and discover sustainable and environmentally sound construction methods and innovative management practices. This degree apprenticeship has social innovation embedded in its core. You will learn through creative social problem solving, working with our industrial partners to develop your intellectual and practical competence, as required by professional bodies such as the Chartered Institute of Building (CIOB) and the Royal Institution of Chartered Surveyors (RICS).

After completing this degree apprenticeship, you will have a broad range of knowledge of the legal, technical, managerial, economic, social and environmental aspects of construction projects, and be able to confidently manage both commercial and civil engineering projects.

End-point Assessment Gateway

The Employer must be satisfied the apprentice is consistently working at, or above, the level of the occupational standard.

Apprentices must have:

English and mathematics Level 2

Apprentices must complete the following approved qualifications mandated in the standard:

- A BSc (Hons) e.g., Construction Management or equivalent Construction Level 6 Diploma that is approved by the industry's recognised professional bodies and meets the educational requirements for the professional bodies' full membership or chartered status.
- Industry certificates in Site Safety Plus Site Managers' Safety Training Scheme
- Site Environmental Awareness Training Scheme which are required for safe operations in the workplace.
- Apprentices must also complete:
 - An online or paper-based portfolio of evidence which demonstrates how the apprentice has met each of the knowledge, skills and behaviour statements in the standard. The portfolio can be used to help inform the employer that the apprentice is fully prepared to commence the End-point assessment process.

End Point Assessment

The assessment methods must be delivered in the following order:

- Online Test –The Online Test underpins the knowledge required to work as a Construction Site Manager so it needs to be completed and passed as the first element of the End-point assessment process.
 - Ideally, the Online Test should be taken and achieved in Month 1 following the gateway.
- Project – Apprentices must pass the project before taking the professional discussion.
 - The Project's subject, title and scope is agreed at the gateway.
 - The Project is then submitted following achievement of the Online Test by the end of Month 4 following the gateway. The Project grade should be communicated to the apprentice no later than 2 weeks following submission and assessment.
- Professional Discussion –
 - Ideally, the Professional Discussion should be taken and achieved by the end of Month 5 following the gateway.
 - Month 6 will allow for any re-sits or re-takes that may be required; these must be taken during the EPA period.

7	Apprenticeship Awards		
7a	Apprenticeship Final Award (awarded by End Point Assessment Organisation)	Level	Credits Awarded
	Construction Site Management	6	n/a
7b	University Awards and Credits Awarded (where applicable)		
	Bachelor of Science with Honours Construction Management	6	360
7b	University Exit Awards and Credits Awarded		
	Diploma of Higher Education Construction Management	5	240
	Bachelor of Science Construction Management	6	300

8	Derogation from the University Regulations
	Apprenticeships adhere to university academic regulations for University awards offered within apprenticeship training. Where Education and Skills Funding Agency (ESFA) regulations specify an alternative requirement for apprenticeship training management, this takes precedence. This is a requirement of the University registration with the ESFA as an apprenticeship-training provider and receipt by the University of individual apprenticeship funding.

9	Delivery Patterns			
	Mode(s) of Study	Location	Duration of Study	Code
	Apprenticeship – Advanced Entry to Level 5	City Centre	3 years plus End Point Assessment	US1117

10	Entry Requirements
	<ul style="list-style-type: none"> • Level 2 Maths Certificate - grade 4/GCSE grade C or above • Level 2 English Certificate - grade 4/GCSE grade C or above • One of the following Construction related qualifications: <ul style="list-style-type: none"> • HNC Construction or equivalent • Level 4 Construction Technician Standard Apprenticeship

11 Apprenticeship Course Learning Outcomes	
Technical Knowledge	
1	Examine the principles of building process and design, plan and coordinate construction and related projects, taking into account resource allocation and management, sustainable construction processes and innovative practices towards integrated project delivery.
2	Contrast alternative construction methods, sustainable construction concepts, design innovation construction processes applied to the construction and infrastructure and appraise project delivery and building performance including the use of specialist technologies for building services and civil engineering works.
3	Demonstrate competence in the use of electronic information handling and data processing and analysis software and applications including the use of digital information systems such as BIM and GIS and specialist software for building planning and evaluations.
4	Appreciate and analyse the multidisciplinary and complex nature of the built environment, evaluate the socio-economic, environmental, financial and other management information, political and business contexts influencing the built environment, analyse the impacts of current issues affecting the local, regional and global communities, and develop awareness of risk and a systematic approach to manage it.
5	Demonstrate awareness and understanding of the legal framework that influences the procurement, set up and manage construction and related contracts within the built environment, apply legal principles relating to health and safety and dispute resolution in managing contracts, and exercise appropriate professional integrity in conflicting circumstances.
6	Display generic scholarly and award specific professional and practical competencies and demonstrate the ability to acquire new competencies required for career progression and assess the ethical, equality and inclusion consequences of human activities to optimise community and environmental sustainability by taking into the impact of investigations on environment.
Cognitive	
7	Critically analyse, synthesise, interpret and summarise information from a variety of sources and recognise and use appropriate theories, methodologies, concepts and principles from a range of subjects and collect, analyse and integrate several lines of evidence to develop balanced arguments demonstrating critical thinking and synthesis.
8	Plan and design an experiment, investigation, survey or other means to test a hypothesis or proposition and apply knowledge and understanding to address multidisciplinary problems within a local and global context.
9	Demonstrate creativity and innovation and demonstrate awareness of the provisional nature of the facts and principles associated with a field of study with those based on opinion and not supported by sound evidence.
10	Evaluate the importance of entrepreneurship and innovation including the role of intellectual property within the innovation process and awareness of risks of exploitation and the requirement for sustainable processes and outcomes and consideration of rapid and continuing change and development of the subjects and their context and its underlying foundations and principles.
11	Devise, plan and undertake field, laboratory or other investigations including those using secondary data in a responsible, sensitive and safe manner, paying due diligence to risk assessment, ethical and data protection issues, rights of access, and relevant health and safety issues.

12	Examine issues of sample selection, accuracy, precision and uncertainty during collection, recording and analysis of data in the field, in the laboratory or collated from secondary sources taking due care to mitigate the difficulties of having incomplete information on which to base decisions.
Communication	
13	Listen and observe attentively, record, evaluate and respond and/or communicate using a wide variety of information sources for example electronic, textual, numerical, verbal, visual/graphical, digital and practical field (site and building) survey based.
14	Communicate (individually or as a group) effectively, constructively, and confidently to a variety of audiences using a range of formats and employing appropriate scientific and/or professional discipline specific language.
15	Use the internet in a context, which recognises its limitations as a means of communication and a source of information.
16	Demonstrate an awareness of legal, effective and safe use of digital and social media and use and interpret digital data and information to inform decision-making.
Interpersonal	
17	Perform in a manner appropriate to allocated roles and responsibilities and recognise and respect the views and opinions of other team members, participate effectively in a team, set realistic targets and demonstrate willingness to resolve conflict.
18	Develop the skills necessary for self-managed lifelong learning and engagement including for example working independently, effective time management and organisational skills and appreciate the need for professional codes of conduct.
19	Recognise the moral, ethical, social and equality and inclusion issues related to the course and take up responsibility for their own actions and identify and work towards targets for personal, academic and career development.
20	Develop an adaptable and flexible approach to study and work, be able to identify individual and collective goals and demonstrate the competence, behaviour and attitude required in academic and professional working life, including initiative, reflection, leadership, resilience and team skills.

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12a	<p>Level 5:</p> <p><i>In order to complete this apprenticeship a learner must successfully complete all the following CORE modules (totalling 120 credits):</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #ffff00;">Module Code</th> <th style="background-color: #ffff00;">Module Name</th> <th style="background-color: #ffff00;">Credit Value</th> </tr> </thead> <tbody> <tr> <td>BNV5119</td> <td>Procurement</td> <td>20</td> </tr> <tr> <td>BNV5118</td> <td>Civil Engineering</td> <td>20</td> </tr> <tr> <td>BNV5129</td> <td>Built Environment Commercial Technology</td> <td>20</td> </tr> <tr> <td>BNV5120</td> <td>Integrated Digital Design for Complex Structures</td> <td>20</td> </tr> <tr> <td>BNV5136</td> <td>Money Matters in Construction</td> <td>20</td> </tr> <tr> <td>BNV5135</td> <td>Operational Management</td> <td>20</td> </tr> </tbody> </table> <p>Level 6:</p> <p><i>In order to complete this apprenticeship a learner must successfully complete all the following CORE modules (totalling 120 credits):</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #ffff00;">Module Code</th> <th style="background-color: #ffff00;">Module Name</th> <th style="background-color: #ffff00;">Credit Value</th> </tr> </thead> <tbody> <tr> <td>BNV6119</td> <td>Contract Practice</td> <td>20</td> </tr> <tr> <td>BNV6204</td> <td>Sustainable Building Design and Construction</td> <td>20</td> </tr> <tr> <td>BNV6200</td> <td>Individual Honours Project</td> <td>40</td> </tr> <tr> <td>BNV6120</td> <td>Project Management</td> <td>20</td> </tr> <tr> <td>BNV6205</td> <td>Bid Strategy and Professional Practice</td> <td>20</td> </tr> </tbody> </table>			Module Code	Module Name	Credit Value	BNV5119	Procurement	20	BNV5118	Civil Engineering	20	BNV5129	Built Environment Commercial Technology	20	BNV5120	Integrated Digital Design for Complex Structures	20	BNV5136	Money Matters in Construction	20	BNV5135	Operational Management	20	Module Code	Module Name	Credit Value	BNV6119	Contract Practice	20	BNV6204	Sustainable Building Design and Construction	20	BNV6200	Individual Honours Project	40	BNV6120	Project Management	20	BNV6205	Bid Strategy and Professional Practice	20
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12b Structure Diagram

Year 1 - Level 5

SEMESTER ONE	SEMESTER TWO
Core BNV5119: Procurement (20 credits) BNV5129: Built Environment Commercial Technology (20 credits)	Core BNV5136: Money Matters in Construction (20 credits) BNV5135: Operational Management (20 credits)

Year 2 - Level 5/Level 6

SEMESTER ONE	SEMESTER TWO
Core BNV5118: Civil Engineering (20 credits) BNV6120: Project Management (20 credits)	Core BNV6204: Sustainable Building Design and Construction (20 credits) BNV5120: Integrated Digital Design for Complex Structures (20 credits)

Year 3 - Level 6

SEMESTER ONE	SEMESTER TWO
Core BNV6205: Bid Strategy and Professional Practice (20 credits)	Core BNV6119: Contract Practice (20 credits)
BNV6200: Individual Honours Project (40 credits)	

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13 Overall Apprenticeship Course Workload and Balance of Assessment

Overall apprenticeship course *workload* includes class contact hours, independent learning and assessment activity, with each credit taken equating to a total study time of around 10 hours. While actual contact hours may depend on any optional modules available, the following information gives an indication of how much time apprentices will need to allocate to different course activities at each level of the apprenticeship course.

- *Scheduled Learning* includes lectures, practical classes and workshops, contact time specified in timetable
- *Directed Learning* includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning
- *Private Study* includes preparation for exams

The *balance of assessment* by mode of assessment (e.g. coursework, exam and in-person) depends to some extent on any optional modules available. The approximate percentage of the apprenticeship course assessed by coursework, exam and in-person is shown below.

Level 5

Workload

24% time spent in timetabled teaching and learning activity

Activity	Number of Hours
Scheduled Learning	288
Directed Learning	372
Private Study	540
Total Hours	1200

Balance of Assessment

Assessment Mode	Percentage
Coursework	100%
Exam	0
In-Person	0

Level 6

Workload

27% time spent in timetabled teaching and learning activity

Activity	Number of Hours
Scheduled Learning	324
Directed Learning	308
Private Study	568
Total Hours	1200

Balance of Assessment

Assessment Mode	Percentage
Coursework	100%
Exam	0
In-Person	0