Apprenticeship Specification

Apprenticeship Summary Information		
1	**Apprenticeship Title**	Chartered Surveyor (degree) Apprenticeship (Standard Number: ST0331) BSc (Hons) Quantity Surveying
2	**BCU Apprenticeship Course Code**	US0920
3	**Awarding Institution**	Apprenticeship Qualification is awarded by the End Point Assessment Organisation chosen by Employers: The Royal Institution of Chartered Surveyors (RICS) 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) ST0331 The Royal Institution of Chartered Surveyors (RICS) The Chartered Institute of Building (CIOB)

6	**Apprenticeship Description**
	The Chartered Surveyor Apprenticeship will typically take 5 years to complete. It includes a BSc (Hons) degree qualification and qualification as a full chartered member of the Royal Institution of Chartered Surveyors (MRICS). The apprenticeship is applicable to any employer undertaking any of the following roles: Building Surveyors Commercial Property Surveyors Consultant (Professional) Quantity Surveyors The above roles identify the surveying pathways for the apprenticeship. The apprenticeship has been designed by an employer working group including employers of varying sizes representing the above surveying pathways and has also included the professional body for surveying, the Royal Institution of Chartered Surveyors. The assessment process has been designed to: • be relevant to the role of a chartered surveyor • provide a professional qualification • be widely recognised by the sector as a key route into the surveying profession The apprenticeship will develop the technical, interpersonal and behavioural skills, knowledge and competence outcomes that are required for chartered surveyors to work effectively within a range of working environments. <u>Quantity Surveying Pathway</u>

	This apprenticeship is founded on the core competencies of the Quantity Surveying profession, preparing you to pursue your journey to full professional chartership. With our quantity surveyor training, you will work collaboratively with tutors, practitioners, theorists and designers who will equip you with everything you need to help shape the future of the built environment. **What's covered in the apprenticeship?** Today's construction industry is facing the challenges of globalisation, climate change, demanding clients and a complex regulatory framework. The growing importance of technology and integrated delivery plays an increasingly important role in the industry. This surveying degree will give you the skills to deal with these challenges and more. With innovation at the core of the apprenticeship, you will learn through creative problem solving and working with our industrial partners. You'll also develop the intellectual and practical competencies required by professional bodies such as the Chartered Institute of Building (CIOB) and Royal Institution of Chartered Surveyors (RICS). You'll leave with a broad knowledge of the legal, technical, managerial, economic, social and environmental aspects of construction projects, and able to confidently manage both commercial and civil engineering projects. This apprenticeship is taught by experienced staff with a wealth of industry experience. A flexible approach to delivery allows construction professionals to study alongside their professional role. You'll gain expertise in cost management, procurement and quantification skills. You'll also develop expertise in risk management, costing techniques, design economics, buildability, procurement and the ability to add value. You'll also learn how to work effectively with a range of people from different construction disciplines. Our partnership with our professional bodies ensures our apprenticeship has the best industry links. <u>End-point Assessment Gateway</u> The Employer must be satisfied the apprentice is consistently working at, or above, the level of the occupational standard. Apprentices must have: • achieved English/mathematics Level 2 • completed a RICS accredited degree (as mandated in the Apprenticeship Standard) • completed a Summary of Experience Portfolio <u>End Point Assessment</u> Assessment Method 1: Online test (Pass/Fail) Assessment Method 2: Case Study including report, presentation and questioning (Pass/Fail) Assessment Method 3: Interview (underpinned by a Summary of Experience Portfolio) (Pass/Fail)

7	Apprenticeship Awards		
7a	**Apprenticeship Final Award (awarded by End Point Assessment Organisation)**	**Level**	**Credits Awarded**
	Chartered Surveyor	6	n/a
7b	**University Awards and Credits Awarded (where applicable)**		
	Bachelor of Science with Honours Quantity Surveying	6	360
7c	**University Exit Awards and Credits Awarded (where applicable)**		
	Certificate of Higher Education Quantity Surveying Diploma of Higher Education Quantity Surveying Bachelor of Science Quantity Surveying	4 5 6	120 240 300

8	Variations from the University Academic Regulations
	Apprenticeships adhere to University academic regulations for University awards offered within apprenticeship training. Where Department for Education (DfE) regulations specify an alternative requirement for apprenticeship training management, this takes precedence. This is a requirement of the University registration with the DfE 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	City Centre	60 months plus EPA	US0920

10	Entry Requirements
The admission requirements for this course are stated on the course page of the BCU website at https://www.bcu.ac.uk or may be found by searching for the course entry profile located on the UCAS website.	

11	**Apprenticeship Course Learning Outcomes**
	Subject-specific knowledge and understanding
Technical	
1	Appreciate professional quantity surveying techniques and best practices relating to quantification and cost management for different project types such as residential and commercial construction and civil engineering at a project level and to company finance at an enterprise level
2	Demonstrate awareness of the relevance and application of alternative construction methods, sustainable construction concepts, novel construction processes and advanced information technologies applied to the construction, and appraise their implications on life cycle cost, risk and decision-making
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	Apply quantification and life cycle costing principles in the preparation of pricing documentation and cost advice, appreciate and analyse cost, financial and other project information in cost planning, cost control and risk analysis, and acquire course-specific practical and professional competencies.
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

12	**Apprenticeship Course Requirements**

12a

Level 4:

In order to complete this apprenticeship a learner must successfully complete all the following CORE modules (totalling 120 credits):

Module Code	Module Name	Credit Value
BNV4106	Introduction to the Built Environment	20
BNV4103	Built Environment Technology 1	20
BNV4108	Law	20
BNV4104	Integrated Digital Design - Residential	20
BNV4142	Innovation in Construction Materials and Techniques	20
BNV4102	Residential Quantification & Cost	20

Level 5:

In order to complete this apprenticeship a learner must successfully complete all the following CORE modules (totalling 120 credits):

Module Code	Module Name	Credit Value
BNV5119	Procurement	20
BNV5106	Cost Management	20
BNV5129	Built Environment Commercial Technology	20
BNV5120	Integrated Digital Design for Complex Structures	20
BNV5108	Commercial Management	20
BNV5107	Commercial Quantification & Cost	20

Level 6:

In order to complete this apprenticeship a learner must successfully complete all the following CORE modules (totalling 120 credits):

Module Code	Module Name	Credit Value
BNV6119	Contract Practice	20
BNV6121	Civils Quantification and Cost	20
BNV6200	Individual Honours Project	40
BNV6120	Project Management	20
BNV6025	Bid Strategy and Professional Practice	20

12b Structure Diagram

Year 1 (Level 4)

SEMESTER ONE	SEMESTER TWO
Core BNV4106: Introduction to the Built Environment (20 credits) BNV4108: Law (20 credits)	**Core** BNV4104: Integrated Digital Design (20 credits) Tutorial Session

Year 2 (Level 4)

SEMESTER ONE	SEMESTER TWO
Core BNV4103: Built Environment Technology 1 (20 credits) Tutorial Session	**Core** BNV4102: Residential Quantification & Cost (20 credits) BNV4142: Innovation in Construction Materials and Techniques (20 credits)

Year 3 (Level 5)

SEMESTER ONE	SEMESTER TWO
Core BNV5119: Procurement (20 credits) BNV5129: Built Environment Commercial Technology (20 credits)	**Core** BNV5108: Commercial Management (20 credits) BNV5107: Commercial Quantification and Cost (20 credits)

Year 4 (Level 5/Level 6)

SEMESTER ONE	SEMESTER TWO
Core BNV5106: Cost Management (20 credits) BNV6120: Project Management (20 credits)	**Core** BNV6121: Civils Quantification and Cost (20 credits) BNV5120: Integrated Digital Design for Complex Structures (20 credits)

Year 5 (Level 6)

SEMESTER ONE	SEMESTER TWO
Core BNV6025: Bid Strategy and Professional Practice (20 credits)	**Core** BNV6119: Contract Practice (20 credits)
BNV6200: Individual Honours Project (40 credits)	

Summary of assessment

The assessment of the apprenticeship includes on programme assessments and a synoptic end point assessment.

On programme assessment

On programme assessment will be used to monitor progress in the acquisition of knowledge, skills and experience and will include the following recommendations:

a) A range of modules studied by either traditional face to face teaching, e learning or a blended learning approach delivered by Universities and covering the breadth and depth of the standard. Assessment will include assignments and exams. The assignments will require the production of essays, reports, completion of practical tasks and a range of calculations.

The approach will build upon the established practice of Universities. Individual modules will be assessed and must be passed in accordance with standard university regulations.

b) Completion of a diary and log book of experience gained.

c) 3 monthly assessments of competence by a supervisor and counsellor

d) Apprentices without level 2 English and Maths will need to achieve this level prior to taking the end-point assessment

<u>End-point Assessment Gateway</u>

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

Apprentices must have:

- achieved English/mathematics Level 2
- completed a RICS accredited degree (as mandated in the Apprenticeship Standard)
- completed a Summary of Experience Portfolio

<u>End Point Assessment</u>

Assessment Method 1: Online test (Pass/Fail)

Assessment Method 2: Case Study including report, presentation and questioning (Pass/Fail)

Assessment Method 3: Interview (underpinned by a Summary of Experience Portfolio)

(Pass/Fail)

Full details of the Gateway and End Point Assessment requirements can be found at https://www.instituteforapprenticeships.org/media/4273/st0331_chartered_surveyor_l6_ap_for_publication_26052020.pdf

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 4

Workload

% time spent in timetabled teaching and learning activity

Activity	Number of Hours
Scheduled Learning	288
Directed Learning	394
Private Study	518
Total Hours	1200

Balance of Assessment

Assessment Mode	Percentage
Coursework	86%
Exam	0
In-Person	14%

Level 5

Workload

% time spent in timetabled teaching and learning activity

Activity	Number of Hours
Scheduled Learning	288
Directed Learning	390
Private Study	522
Total Hours	1200

Balance of Assessment

Assessment Mode	Percentage
Coursework	91%
Exam	0
In-Person	9%

Level 6

Workload

% 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