Programme Specification

BSc (Hons) Architectural Technology

Awarding Institution	University of Bolton
Teaching Institution	University of Bolton
Faculty offering the programme	Faculty of Advanced Engineering & Sciences
Programme(s) accredited by	Chartered Institute of Builders (CIOB) (Associate Member) Chartered Institute of Architectural Technologists (CIAT) (Associate Member)
Final award(s)	BSc (Hons)
Exit or Fallback award(s)	Cert HE Architectural Technology (120 Credits) Dip HE Architectural Technology (240 Credits)
Programme title(s)	Architectural Technology
UCAS Code	K130
JACS Code	K130
University Course Code(s)	Full Time CSA0001 Part Time CSA5002
QAA Benchmark Statement(s)	Architectural Technology
Other internal and external reference points	QAA Academic Infrastructure, including the Framework for Higher Education Qualifications and the Code of Practice UK Quality Code for Higher Education University of Bolton awards framework
Language of study	English
Mode of study and normal period of study	Full time – 3 years Part time – 3 years (with exemptions for prior learning at Level HE4)

Admissions criteria

Full-Time

Five GCSEs at grade C or above (or equivalent) with at least two at advanced A2 levels (or equivalent) with satisfactory UCAS points. Mathematics, a Science and English Language or a subject requiring the use of English, must be passed at GCSE level.

General Studies does not contribute to the UCAS points requirement; points gained from a subject at AS level can contribute to the points total except where the subject has also been counted at A2 level.

Advanced Diploma or Progression Diploma with the relevant UCAS points, or

Advanced Vocational Certificate of Education (AVCE) Double Award equivalent to a minimum the required UCAS points.

Edexcel-BTEC Nationals: Certificate/Diploma, typically in, Building, Construction or Civil Engineering or other related subject including three merits passes at the level three or their equivalent.

Scottish National Certificate Qualifications: satisfactory points from the following: Passes in four subjects, two at advanced higher and two a higher level, typical grades CC/CC to include Mathematics and a Science at advanced higher level.

Irish Leaving Certificate: satisfactory UCAS points from the following: Passes in minimum of four subjects at higher level, typical grades B1, B1, C1, C1 to include Mathematics and a science.

Successful completion of the Faculty's Foundation degree in Construction & Surveying (with a minimum average of 55%). This will permit entry to HE5.

Other certified prior learning deemed equivalent to the above in accordance with the Institute's policies on Accreditation of Prior Learning (APL).

Non-certified prior learning deemed equivalent to the above in accordance with the Institute's policies on the Accreditation of Prior Experiential Learning (APEL).

Non Standard Entry

Cases dealt with by admissions tutor on individual basis.

Part-Time

Successful completion of the University of Bolton HNC in Construction & Surveying with an overall merit or an overall average 55%.

A UK HNC, HND, foundation degree or honours degree in an appropriate subject (or equivalent) with an overall merit.

Applicants holding a higher education qualification in a appropriate subject area

will be considered for entry to Year 1 (Level HE4) of the course. Such applicants should be a confident user of mathematics, but do not need to have studied construction or engineering previously.

Applicants may be admitted to Year 2 (Level HE5) of the part-time programme if they can demonstrate an academic credit rating that warrants exemption from modules at Year 1. Direct entry to Year 2 is typically available to applicants holding a good HNC or HND in Building Studies.

Applicants may be invited for interview as part of the selection process.

If English is not the first language, an IELTS score of at least 6.0 (or equivalent)

Other certified prior learning deemed equivalent to the above in accordance with the Institute's policies on Accreditation of Prior Learning (APL).

Non-certified prior learning deemed equivalent to the above in accordance with the Institute's policies on the Accreditation of Prior Experiential Learning (APEL).

Additional admissions matters
None

Fitness to practise declaration

Not applicable

Aims of the programme

1. To develop knowledge and understanding, skills and competences necessary to provide a foundation for leadership, social and business awareness required when working as an Architectural Technologist.

2. To develop a critical understanding of design & technical risks, environmental, legislative, health & safety and political issues.

3. To embed an awareness of the legal, social, economic, financial, professional issues, environmental, pillars of sustainability affecting Architectural Technologists.

4. To identify hazards and manage risk in environmental and health & safety issues and to address political aspects of Architectural technology.

5. To produce graduates who are technically competent in all aspects of architectural technology.

6. To produce graduates who are articulate, numerate and literate.

7. To instil imagination, reflection, versatility, confidence and inquisitiveness.

8. To develop excellence in written, verbal and visual communications.

9. To provide the appropriate educational base and inspire an ethos for the pursuit of professional membership of a relevant professional body.

10. To encourage a commitment to lifelong learning and Continuing Professional Development.

Distinctive features of the programme

Programme learning outcomes

K: Knowledge and understanding

On successful completion of the programme you will be able to demonstrate systematic knowledge and understanding of:

1. The ability to identify, assess and challenge client requirements and user factors.
2. The ability to evaluate resources and assess environmental impact.
3. The ability to manage health and safety in design.
4. The ability to assess and advise on regulatory control and consent requirements and legal constraints.

C. Cognitive, intellectual or thinking skills

On successful completion of the programme you will be able to demonstrate the ability to:

1. Develop briefs and design programmes and test design solutions.
2. Present project designs and advise on their selection and make recommendations for preparing detailed designs.
3. Integrate, control and evaluate design documentation.
4. Evaluate project feedback, recommend improvements and specify maintenance information and guidance.
5. Select and evaluate survey requirements, technical information and development factors.
6. Investigate, analyse and select detailed design solutions.
7. Specify and define technical and performance requirements.

P. Practical, professional or subject-specific skills

On successful completion of the programme you will be able to demonstrate the ability to:

1. Select construction methods and plan work activities and resources.
2. Assess the condition of property.
3. Select and agree procurement procedures and forms of contract.
4. Procure and evaluate estimates, bids and tenders and agree contracts.
5. Control contract quality, progress and costs and manage project handover.

T. Transferable, key or personal skills

On successful completion of the programme you will be able to demonstrate the ability to:

1. Form design teams and establish their responsibilities and methods of working.
2. Work with teams and other people.
3. Operate in a professional manner.

Programme structure

Level	Module Code	Module title	Core/ Option (C/O)	Credits	Length (1or 2 Trimesters)
HE4	CAS4001	Construction Core Skills	C	20	1
HE4	CAS4002	Construction Design Technology	C	20	1
HE4	CAS4003	Legal & Regulatory Frameworks	C	20	1
HE4	CAS4004	Surveying Practice	C	20	1
HE4	CAS4005	Building Environment	C	20	1
HE4	CAS4006	Interdisciplinary Group Project	C	20	1
		TOTAL CREDITS AT COMPLETION OF LEVEL HE4		**120**	
HE5	ACT5001	Architectural Technology Studio A	C	20	1
HE5	ACT5002	Architectural Technology Studio B	C	20	1
HE5	CAS5007	Development Frameworks	C	20	1
HE5	CAS5010	Building & Environmental Technology	C	20	1
HE5	CAS5011	Contract Procedures & Procurement	C	20	1
HE5	CIE5007	Research Methods & Professional Practice	C	20	1
		TOTAL CREDITS AT COMPLETION OF LEVEL HE5		**240**	
HE6	ACT6001	Architectural Design Studio C	C	20	1
HE6	ACT6002	Architectural Design Studio D	C	20	1
HE6	CAS6004	Sustainable Construction	C	20	1
HE6	CIE6004	Interdisciplinary Project	C	20	1

HE6	CIE6002	Dissertation	C	40	2

TOTAL CREDITS AT COMPLETION OF LEVEL HE6 **360**

Learning and teaching strategies

The diverse nature of the Architectural Technology programme necessitates the deployment of a variety of teaching and learning methods in order to ensure the acquisition and development of the appropriate concepts, knowledge and skills. Many of these will be experienced during formally timetabled classes whilst others will be appropriate to student centred learning.

Whilst there are significant opportunities to spend time with the tutors and technicians during timetabled classes, practical work and tutorials, there is an expectation that you will devote an equivalent amount of time to personal study. This personal study time might be spent, for example, engaging in general background reading, revisiting practical work, attending technical meetings and lectures provided by the professional bodies, preparing for seminar activities, working on assignments or revising for examinations. During the early stages of studies, guidance will be provided on how you can make the best use of their personal study time. However, as you progress through the programme, this guidance will become less structured and prescriptive.

The learning and teaching methods described below are those most commonly adopted by the programme during the formally timetabled sessions. However, individual module tutors are free to introduce techniques that they view as especially suitable in aiding learning in their specialist area. (Each Module Guide will identify specific teaching and learning strategies)

Lectures: Lectures play an important part throughout the course and will feature in all modules at levels HE4 & HE5 and the majority of the modules at level HE6 of the programme. They involve the dissemination of theoretical and empirical information by a lecturer and provide a basic framework that you can build upon through your reading and through other classroom activities. Guest Lectures by specialists from industry, the professional bodies and other academic institutions, enhance the learning experience.

Practical Sessions: Tutor-led practical sessions which can take place in laboratories, be field based or located in computer suites or studios, are a key aspect of this programme. These may comprise demonstrations by staff members, hands-on practical activities or project work. These activities help develop subject specific practical skills; specifically, the ability to: effectively deploy the methods and tools used in the development of a product, solve practical problems by making and testing prototypes; and make effective use of specialist software. During practical sessions, there is also an opportunity to develop time management and communications skills as well as the ability to work as part of a team.

Site Visits: Site visits are an important aspect of the programme as they provide the opportunity for you to view state-of-the-art projects. Such events also help to

promote a synthesis between academic and professional based activities.

Seminars: Seminars involve meetings in groups with a tutor to discuss further reading, issues and problems arising from lecture material, or to undertake case studies or problem-solving exercises. It is common for further reading on a particular topic to be assigned, and you may be required to present an oral synopsis to provide a basis for discussion. Seminars play an important part in encouraging you to think critically about the subject, to analyse theory and information in a systematic fashion, and to enhance understanding of conceptual issues.

Workshops: Workshops are also employed in some modules and may involve the development of skills, e.g. research methods, the application of statistics, presentations etc, as well as problem solving through the evaluation of case-study material. Assistance with assignment work may be offered in workshops, and they play an important part in increasing your confidence in dealing with the subject matter.

Tutorials: These are usually individually based but may be shared with others who are studying a similar area/issue. You should prepare for tutorials, which are usually associated with an assignment, by bringing any plans for discussion.

Informal Group Study Sessions: Laptops can be booked out from the library issue desk and used for group work in the Social Learning Zone. Furthermore, there are a number of group study rooms in the library which can also be booked for meetings and/or presentation practice.

Learning activities (KIS entry)

	Course Year 1	2	3
Scheduled learning and teaching activities	36%	31%	24%
Guided independent study	64%	69%	76%
Placement/study abroad	0%	0%	0%

Assessment strategy

The assessment strategy for the programme is designed to ensure that you achieve the overall aims and learning outcomes of the programme, as well as the learning outcomes for individual modules; they may take the form of assessment

of individual performance during practical work, time constrained examinations, essays, making presentations, writing up of laboratory work, analytical or design assignments, research assignments, design submissions, personal development plans, dissertation.

Assessments serve several functions. The obvious and primary function is to evaluate your achievement. However, assessment also serves to help you to organise and develop their learning. Feedback from assessment serves an important educational function and can help develop skills and understanding of personal strengths and weaknesses. To this end, several modules will adopt “formative” assessment methods in the early stages which will result in qualitative feedback and does not contribute to the mark for the module; this enables you to gain understanding and development of knowledge, skills and abilities that can then be applied to the “summative” assessment to provide the definitive mark for the module.

The various assessment methods deployed by the programme are described below.

Essay: For a number of modules, you will be required to produce a coursework essay or essays. Essays assess understanding of the thrust of the question set, whether you have introduced and appreciate the relevance of appropriate material to the topic in hand and understand its implications, whether they can analyse and evaluate information and whether they can communicate ideas clearly. Coursework essays are typically set to assess the learning outcomes related to understanding key concepts, demonstrating critical evaluations, and demonstrating the capacity to think independently. The required length of coursework essays can vary depending upon the purpose of the assignment for which the work is assessed. You will be given guidance by the teaching staff on any specific requirements.

Reports: A number of modules require you to write reports, which are sometimes based on a given case-study. These reports identify published background research and rationale for their study, the way in which the study was carried out, and the results and analysis of information. Usually, a standard format is used to aid clear, precise and unambiguous expression. You are given explicit guidance on the format required for the report.

Presentations: You are required to make oral presentations (e.g. from notes or from an essay, using presentational aids where appropriate) in a number of modules. Some modules may specify such a presentation as part of their assessment, whilst seminar presentations in other modules may not be part of the formal assessment. To augment the tutor’s assessment; some modules will also make use of “peer review” where fellow students assess their peers against pre-determined assessment guidelines.

Project Work: Many modules make use of project work for assessment. Project work may be undertaken by individuals or groups working together. Project briefs may be set by the tutor, an external company or by you depending on the requirements of the module. Live project work is a key feature of this course, with many project briefs being set by external companies, addressing real-life problems and issues. Some of the products developed as a result of these live projects have been successful in getting to market. In the final year dissertation, you are expected to design and conduct an investigation into a selected topic area, setting their own aims and objectives, and critically appraising the outcomes.

Practical Work: Individual performance is assessed during field-based practical work. Assessment guidelines are issued at the start of a module and these can include the assessment of motivational skills, theoretical knowledge, the ability to work in a group, communication skills as well as practical skills associated with carrying out a particular task. There is also an emphasis on the assessment of ability to perform the work safely in accordance with the appropriate risk assessment. At level HE5, you will have the opportunity to engage in peer review.

The assessment methods for each module are identified in the Module Guides given out at the beginning of the teaching period. Furthermore, the Programme Handbook provides information on assignment submission dates in the "Assessment Timing Matrix" and this allows you to plan their work load effectively.

Assessment methods (KIS entry)

	Course Year		
	Year 1	Year 2	Year 3
Written exams	17%	25%	13%
Coursework	75%	75%	87%
Practical exams	8%	0%	0%

Assessment regulations

The programme uses the Assessment Regulations for the Undergraduate Modular Framework.

The overall pass mark for all modules is 40 percent. The mark awarded will be made up, where specified, of the weighted average of the examination and coursework assessment marks.

Normally, you will be expected to have achieved an overall module mark of 40 percent, with no item defined in the assessment pattern for the module having a mark below 35 percent, in order to be awarded the credit for a module.

For the full and current version of the Assessment Regulations, refer to the document "*Assessment Regulations for Undergraduate Modular Programmes (Main Document)"* at the following university intranet site:

http://www.bolton.ac.uk/Quality/QAEContents/APPR/Home.aspx

Honours Classification

1. Undergraduate Honours Degrees

Grade Description	Mark %	Honours Degree Classification
Work of exceptional quality	70+	i
Work of very good quality	60-69	ii.i
Work of good quality	50-59	ii.ii
Work of satisfactory quality	40-49	iii
Borderline fail	35-39	
Fail	Below 35	

Honours classification

You will normally be awarded the honours classification resulting from the application of either Rule ACM20 or Rule ACM6.

Rule ACM20

A weighted average of the marks from modules worth a total of 200 credits at Levels HE5 and HE6 combined, including the marks from modules worth no more than 80 credits at least at Level HE5 (weighted 30 percent) and marks from modules worth at least 120 credits at Level HE6 (weighted 70 percent), which represent the best marks achieved by you at those Levels.

Where the average falls unequivocally into one of the following bands: 48.00 - 49.99, 58.00 - 59.99, 68.00 - 69.99; and you have achieved marks clearly in an honours classification category higher than their average for modules worth at least 110 credits, then you will be awarded an honours degree in the classification category one higher than that indicated by your average.

Rule ACM6 (an alternative if you do not have sufficient marks at Levels HE5 and 6 to apply ACM20)

A simple average of the equally weighted marks from modules worth 120 credits at Level HE6 which represent the best marks achieved by you at that Level.

Where the average falls unequivocally into one of the following bands: 48.00 – 49.99, 58.00 – 59.99, 68.00 – 69.99; and you have achieved marks clearly in an honours classification category higher than their average for modules worth at least 70 credits, then you will be awarded an honours degree in the classification category one higher than that indicated by their average.

Where you have marks available for fewer than 120 credits at Level HE6, honours classification shall normally be based **solely** on a simple average of the available marks for modules at Level HE6, subject to there being marks for a **minimum of 60 credits awarded by the University**. **Upgrading of the honours classification will not normally be available where there are marks available for fewer than 120 credits at Level HE6**, unless this is explicitly approved.

Role of external examiners

External examiners are appointed for all programmes of study. They oversee the assessment process and their duties include: approving assessment tasks, reviewing assessment marks, attending assessment boards and reporting to the University on the assessment process.

Support for student learning

- The programme is managed by a programme leader
- Induction programme introduces you to the University and their programme
- Each student has a personal tutor, responsible for support and guidance
- Personal Development Planning (PDP) integrated into all programmes
- Feedback on formative and summative assessments
- A Student Centre providing a one-stop shop for information and advice
- University support services include housing, counselling, financial advice, careers and a disability
- A Chaplaincy
- Excellent library and IT services
- Student Liaison Officers attached to each Faculty
- The Students' Union advice services
- Faculty and Programme Handbooks which provide information about the programme and University regulations
- English language support for International students
- The opportunity to develop skills for employment
- Specialist teaching facilities/resources
- Support for placement learning including mentors
- Support from professional bodies

Methods for evaluating and enhancing the quality of learning opportunities

- Programme committees with student representation
- Module questionnaires
- Students surveys, e.g. National Student Survey (NSS)
- Annual quality monitoring and action planning through Programme Quality Enhancement Plans (PQEPs), Data Analysis Report (DARs) Subject Annual Self Evaluation Report (SASERs), Faculty Quality Enhancement Plans (FQEPs), University Quality Enhancement Plan (UQEP)
- Peer review of teaching
- Professional Development programme for staff
- External examiner reports
- Industrial Advisory Board
- Professional body reports

Other sources of information

Student portal

http://www.bolton.ac.uk/Students/Home.aspx

Students Union

http://www.ubsu.org.uk/

Faculty Handbook: http://www.bolton.ac.uk/Students

Programme Handbook: http://data.bolton.ac.uk/staff/

Student Entitlement Statement (available via the following webpage)

http://www.bolton.ac.uk/Students/AdviceAndSupport/StudentServices/

Module database: http://modules.bolton.ac.uk

External examiners' reports

http://www.bolton.ac.uk/Quality/QAEContents/ExternalExaminersReports/Home.aspx

Document control

Author(s)	Chris Boothman
Approved by:	Prof Rob Campbell Chair University Validation Panel
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Document History:	

Learning outcomes map

Module Title	Module Code	Status C/O/E	K1	K2	K3	K4	C1	C2	C3	C4	C5	C6	C7	P1	P2	P3	P4	P5	T1	T2	T3
Level HE 4																					
Construction Core Skills	CAS4001	C																	tda	tda	tda
Construction Design Technology	CAS4002	C	tda	td	td	tda	td	tda	d	da	tda	tda	tda	da	d	d	d	d	d	d	d
Legal & Regulatory Frameworks	CAS4003	C		tda	tda	tda													d	d	d
Surveying Practice	CAS4004	C	d		td						tda	d	dt				td			da	da
Building Environment	CAS4005	C	tda	tda	td		td				tda	tda	tda	tda	d	d	d		da	da	tda
Interdisciplinary Group Project	CAS4006	C	da	da	da	da	da	da	da	da		da	da	da	da	da		d	da	da	da

K. Knowledge and understanding **P. Practical, professional and subject specific skills**

C. Cognitive, Intellectual and thinking skills **T. Transferable, key or personal skills**

Complete the grid using the following (Developed = D, Taught = T, Assessed = A)

Learning outcomes map

Module Title	Module Code	Status C/O/E	K1	K2	K3	K4	C1	C2	C3	C4	C5	C6	C7	P1	P2	P3	P4	P5	T1	T2	T3
Level HE 5																					
Architectural Technology Studio A	ACT5001	C	tda	d	d	td	td	tda	tda	tda	da	da	tda	da	tda	d	d	d	d	d	da
Architectural Technology Studio B	ACT5002	C	tda	tda	tda	tda					tda	tda	tda	tda	tda			d			d
Development Frameworks	CAS5007	C	td		d	tda			tda	da		d				tda				d	d
Building & Environmental Technology	CAS5010	C	tda	tda	tda	tda	tda	tda	tda	d	da	da	da	tda	tda	d	d	d	d	d	tda
Contract Procedures & Procurement	CAS5011	C	tda	d	d	td	td	tda	tda	tda	da	da	tda	da	tda	d	d	d	d	d	da
Research Methods & Professional Practice	CIE5007	C	da	da	da	td	da	da	da	da	da	da	da		da	da		da			da

K. Knowledge and understanding **P. Practical, professional and subject specific skills**

C. Cognitive, Intellectual and thinking skills **T. Transferable, key or personal skills**

Complete the grid using the following (Developed = D, Taught = T, Assessed = A)

Learning outcomes map

Module Title	Module Code	Status C/O/E	K1	K2	K3	K4	C1	C2	C3	C4	C5	C6	C7	P1	P2	P3	P4	P5	T1	T2	T3
Level HE 6																					
Architectural Design Studio C	ACT6001	C	tda	d	d	td	td	tda	tda	tda	da	da	tda	da	tda	d	d	d	d	d	da
Architectural Design Studio D	ACT6002	C	tda	d	d	td	td	tda	tda	tda	da	da	tda	da	tda	d	d	d	d	d	da
Sustainable Construction	CAS6004	C	tda	tda	tda	tda	da	tda	da	da	da	tda	tda	da	da			da	da	da	da
Interdisciplinary Project	CIE6004	C	da	da	da	da	da	da	da	da	da	da	da	da	da	da	da	da	da	da	da
Dissertation	CIE6002	C	da	da	da	da	da	da	da	da		da	da	da	da	da	da	da			da

K. Knowledge and understanding **P. Practical, professional and subject specific skills**

C. Cognitive, Intellectual and thinking skills **T. Transferable, key or personal skills**

Complete the grid using the following (Developed = D, Taught = T, Assessed = A)

BSc (Hons) Architectural Technology
PROGRAMME LEARNING OUTCOMES
QAA Subject Benchmark Statement 2007 (Architectural Technology)

Key
a = assessed
d = developed
t = taught

		LEVEL HE4						LEVEL HE5						LEVEL HE6				
		Construction Core Skills	Construction Design Technology	Legal & Regulatory Frameworks	Surveying Processes	Building Environment	Interdisciplinary Group Project	Architectural Design Studio A	Building & Environmental Technology	Contract Procedures & Procurement	Development Frameworks	Architectural Design Studio B	Research Methods & Professional Practice	Architectural Design Studio C	Architectural Design Studio D	Sustainable Construction	Interdisciplinary Project	Dissertation
		CAS4001	CAS4002	CAS4003	CAS4004	CAS4005	CAS4006	ACT5001	CAS5010	CAS5011	CAS5007	ACT5002	CIE5007	ACT6001	ACT6002	CAS6004	CIE6004	CIE6002
Design Procedures	Identify, assess and challenge client requirements and user factors.		t/d/a		d	t/d/a	d/a	t/d/a	t/d/a	td	t/d/a	t/d/a	d/a	t/d/a	t/d/a	t/d/a	da	d/a
	Evaluate resources and assess environmental impact.		t/d	t/d/a		t/d/a	d/a	d	t/d/a		t/d/a	d	d/a	d	d	t/d/a	da	d/a
	Manage health and safety in design.		t/d	t/d/a	t/d/	t/d	d/a	d	t/d/a	d	t/d/a	d	d/a	d	d	t/d/a	da	d/a
	Assess and advise on regulatory control and consent requirements and legal constraints.		t/d/a	t/d/a			d/a	t/d	t/d/a	t/d/a	t/d/a	t/d	d/a	t/d	t/d	t/d/a	da	d/a
	Develop briefs and design programmes and test design solutions.		t/d			t/d	d/a	t/d			t/d/a	t/d	d/a	t/d	t/d	d/a	da	d/a
	Present project designs and advise on their selection and make recommendations for preparing detailed designs.		t/d/a				d/a	t/d/a			t/d/a	t/d/a	d/a	t/d/a	t/d/a	t/d/a	da	d/a
	Integrate, control and evaluate design documentation.		d				d/a	t/d/a		t/d/a	t/d/a	t/d/a	d/a	t/d/a	t/d/a	d/a	da	d/a
	Evaluate project feedback, recommend improvements and specify maintenance information and guidance.		d/a				d/a	t/d/a		da	d	t/d/a	d/a	t/d/a	t/d/a	d/a	da	d/a
Technology	Select and evaluate survey requirements, technical information and development factors.		t/d/a		d/t/a	t/d/a		d/a	t/d/a		da	d/a	d/a	d/a	d/a	d/a	da	
	Investigate, analyse and select detailed design solutions.		t/d/a		d	t/d/a	**d/a**	d/a	t/d/a	d	da	d/a	d/a	d/a	d/a	t/d/a	da	d/a
	Specify and define technical and performance requirements.		t/d/a		d/t	t/d/a	d/a	t/d/a	t/d/a		da	t/d/a	d/a	t/d/a	t/d/a	t/d/a	da	d/a
	Select construction methods and plan work activities and resources.		d/a			t/d/a	d/a	d/a	t/d/a		t/d/a	d/a		d/a	d/a	d/a	da	d/a
	Assess the condition of property.		d			d	d/a	t/d/a	t/d/a		t/d/a	t/d/a	d/a	t/d/a	t/d/a	d/a	da	d/a
Procurement & Contract	Select and agree procurement procedures and forms of contract.		d			d	d/a	d		t/d/a	d	d	d/a	d	d		da	d/a
	Procure and evaluate estimates, bids and tenders and agree contracts.		d		td	d		d			d	d		d	d		da	d/a
	Control contract quality, progress and costs and manage project handover.		d				d	d	d		D	d	d/a	d	d	d/a	da	d/a
Professional Practice	Form design teams and establish their responsibilities and methods of working.	tda	d	d		d/a	d/a	d			D	d		d	d	d/a	da	
	Work with teams and other people.	tda	d	D	d/a	da	d/a	d		d	D	d		d	d	d/a	da	
	Operate in a professional manner.	tda	d	D	d/a	t/d/a	d/a	d/a	D	d	t/d/a	d/a	d/a	d/a	d/a	d/a	da	d/a

Module listing

Module title	Mod Code	New? ✓	Level	Credits	Type	Core/Option C/O	Pre-requisite module	Assessment 1			Assessment 2			Assessment 3		
								Assessment type	Assessment %	Add Y if final item	Assessment type	Assessment %	Add Y if final item	Assessment type	Assessment %	Add Y if final item
Construction Core Skills	CAS4001	✓	HE4	**20**	**Standard**	**C**		**CWK**	**50**		**ICA**	**50**	**Y**			
Construction Design Technology	CAS4002	✓	HE4	**20**	**Standard**	**C**		**CWK**	**50**		**EXAM**	**50**	**Y**			
Legal & Regulatory Frameworks	CAS4003	✓	HE4	**20**	**Standard**	**C**		**CWK**	**50**		**Set Exercise**	**50**	**Y**			
Surveying Practice	CAS4004	✓	HE4	**20**	**Standard**	**C**		**CWK**	**50**		**PRA**	**50**	**Y**			
Building Environment	CAS4005	✓	HE4	**20**	**Standard**	**C**		**CWK**	**50**		**EXAM**	**50**	**Y**			
Interdisciplinary Group Project	CAS4006	✓	HE4	**20**	**Project**	**C**		**PRE**	**25**		**CWK**	**75**	**Y**			

Module title	Mod Code	New? ✓	Level	Credits	Type	Core/Option C/O	Pre-requisite module	Assessment 1			Assessment 2			Assessment 3		
								Assessment type	Assessment %	Add Y if final item	Assessment type	Assessment %	Add Y if final item	Assessment type	Assessment %	Add Y if final item
Architectural Technology Studio A	ACT5001	✓	**HE5**	**20**	**Standard**	**C**		**CWK**	**50**		**EXAM**	**50**	**Y**			
Architectural Technology Studio B	ACT5002	✓	**HE5**	**20**	**Standard**	**C**		**CWK**	**50**		**CWK**	**50**	**Y**			
Development Frameworks	CAS5007	✓	**HE5**	**20**	**Standard**	**C**		**CWK**	**50**		**CWK**	**50**	**Y**			
Building & Environmental Technology	CAS5010	✓	**HE5**	**20**	**Standard**	**C**		**CWK**	**50**		**EXAM**	**50**	**Y**			
Contract Procedures & Procurement	CAS5011	✓	**HE5**	**20**	**Standard**	**C**		**PRE**	**50**		**EXAM**	**50**	**Y**			
Research Methods & Professional Practice	CIE5007	✓	**HE5**	**20**	**Standard**	**C**		**CWK**	**50**		**CWK**	**50**	**Y**			

Module title	Mod Code	New? ✓	Level	Credits	Type	Core/Option C/O	Pre-requisite module	Assessment 1			Assessment 2			Assessment 3		
								Assessment type	Assessment %	Add Y if final item	Assessment type	Assessment %	Add Y if final item	Assessment type	Assessment %	Add Y if final item
Architectural Design Studio C	ACT6001	✓	**HE6**	**20**	**Standard**	**C**		**CWK**	**25**		**CWK**	**75**	**Y**			
Architectural Design Studio D	ACT6002	✓	**HE6**	**20**	**Standard**	**C**		**CWK**	**25**		**CWK**	**75**	**Y**			
Sustainable Construction	CAS6004	✓	**HE6**	**20**	**Standard**	**C**		**CWK**	**50**		**EXAM**	**50**	**Y**			
Interdisciplinary Project	CIE6004	✓	**HE6**	**20**	**Project**	**C**		**CWK**	**100**	Y						
Dissertation	CIE6002	✓	**HE6**	**40**	**Dissertation**	**C**	**CIE5007***	**CWK**	**100**	y						

*** or equivalent**

Bolton Key Core Curriculum requirements

Module Title	Module Code	C/O	Employability											Bolton Values		
			PDP	Communication	Team work	Organisation & Planning	Numeracy	Problem solving	Flexibility & adaptability	Action planning	Self awareness	Initiative	Personal impact & confidence	Inter-nationalisation	Environmental sustainability	Social, public and ethical responsibility
Construction Core Skills	CAS4001	C		tda	td	td	tda	dta	td	td	td	td	td	td		td
Construction Design Technology	CAS4002	C		tda		tda	d	td	td	d	d	d	d	td	td	td
Legal & Regulatory Frameworks	CAS4003	C		tda				dta	d	d	d	d	d	tda	tda	tda
Surveying Practice	CAS4004	C		tda	tda	tda	tda	dta	d	d	tda	tda	tda	d	td	tda
Building Environment	CAS4005	C		td	da	da	tda	da	d	d	da	d	da	td	tda	da
Interdisciplinary Group Project	CAS4006	C	tda	tda	tda	tda	da	ta	d	td	td	d	da	d	da	da

Module Title	Module Code	C/O	Employability										Bolton Values		
			PDP	Communication	Team work	Organisation & Planning	Numeracy	Problem solving	Flexibility & adaptability	Action planning	Self awareness	Initiative	Personal impact & confidence	Inter-nationalisation	Environmental sustainability	Social, public and ethical responsibility
Architectural Technology Studio A	ACT5001	C		tda		tda	d	td	td	d	d	d	d	td	td	td
Architectural Technology Studio B	ACT5002	C		tda		tda	tda	td	td	d	d	d	d	td	td	tda
Development Frameworks	CAS5007	C		tda	td	td	dta	dta	td	td	td	td	td	tda	d	d
Building & Environmental Technology	CAS5010	C		tda		tda	dta	d	d	d	d	d	d	d	tda	tda
Contract Procedures & Procurement	CAS5011	C		tda	d	d	dta	d	td			d	td	td	td	td
Research Methods & Professional Practice	CIE5007	C	dta	td		da	dta	dta	da	dta	da	da	da	da		dta

Module Title	Module Code	C/O	Employability											Bolton Values		
			PDP	Communication	Team work	Organisation & Planning	Numeracy	Problem solving	Flexibility & adaptability	Action planning	Self awareness	Initiative	Personal impact & confidence	Inter-nationalisation	Environmental sustainability	Social, public and ethical responsibility
Architectural Design Studio C	ACT6001	**C**		tda		tda	d	td	td	d	d	d	d	td	td	td
Architectural Design Studio D	ACT6002	**C**		tda		tda	d	td	td	d	d	d	d	d	tda	tda
Sustainable Construction	CAS6004	**C**		tda	td			dta	tda	d	d	d	d	tda	tda	td
Interdisciplinary Project	CIE6004	**C**	tda	da	da	da	da	da	da	da	da	da	da	da	da	da
Dissertation	CIE6002	**C**		da		da	da	da	da	da	da	da	da			da

Complete the grid using the following (Developed = D, Taught = T, Assessed = A)