



SECTION 1: KEY PROGRAMME DETAILS

PART A: PROGRAMME INFORMATION	
Highest Award	BSc (Hons) Architectural Technology and Design
Interim Award	BSc Architectural Technology and Design
Interim Award	DipHE Architectural Technology and Design
Interim Award	CertHE Architectural Technology and Design
Awarding Institution	UWE Bristol
Teaching Institution	UWE Bristol
Delivery Location	Frenchay Campus
Study Abroad / Exchange / Credit Recognition	Placement X Sandwich Year ✓ Credit Recognition X Year Abroad X
Faculty Responsible For Programme	Faculty of Environment & Technology
Department Responsible For Programme	FET Dept of Architecture & Built Environ
Professional Statutory or Regulatory Body (PSRB) Links	Chartered Institute of Architectural Technologists (CIAT)
Professional Statutory or Regulatory Body (PSRB) Links	Chartered Institute of Building
Apprenticeships	
Mode of Delivery	Sandwich
ENTRY REQUIREMENTS	UCAS Tariff Points:

	For the current entry requirements see the UWE public website.
For Implementation From	1 Sep 2018
ISIS Code/s	Programme Code K130-SEP-SW-FR-K130 Other codes: JACS Architectural technology HECoS 100000: Undefined UCAS SLC

SECTION 2: PROGRAMME OVERVIEW, AIMS and LEARNING OUTCOMES

PART A: PROGRAMME OVERVIEW, AIMS and LEARNING OUTCOMES

1. (Programme) Overview (c. 400 words)

The programme is designed to produce graduates who will be able to analyse, synthesise and evaluate design factors thus enabling them to produce design solutions that will satisfy performance, production and procurement criteria for the construction industry. Each student will have a strategic awareness of the parameters that underline the processes necessary to achieve good quality functional buildings.

Students can apply to spend a year abroad on an International Academic Placement after year 2 before they return to UWE to complete their final (graduation) year. This is a competitive application process and only successful applicants can follow this option. Those spending the year abroad will take a course of academic study at a host university abroad designed to further their understanding of architectural technology and design in a different cultural and academic context. This is assessed by UWE as an International Academic Placement module. After the year abroad students return to UWE to take their final (graduation) year. Such students will therefore spend four years on the programme.

At the end of the period of study the architectural technologist can expect to find employment within design consultancy organisations, contractors, or product manufacturers.

2. Educational Aims (c. 4-6 aims)

The programme aims:

To instil in each student an understanding and enthusiasm for Architectural Technology and Design;

To provide an intellectually stimulating environment for learning and understanding;

To integrate the conceptual understanding of technology and design realisation;

To reflect upon, evaluate and discuss aspects of technological design;

To identify and encourage the essential features of good integrated design and practice (including the use of computers in the design, production and management processes), through observed current good practice and historical precedents and practice.

To use knowledge of scientific principles and materials properties to develop and design productive solutions to technological problems within defined constraints;

To consider the 'buildability', sustainability and performance of building design solutions within legal,

PART A: PROGRAMME OVERVIEW, AIMS and LEARNING OUTCOMES

ecological, economic and technological constraints;

To provide an environment for personal and skills development, the development of teamworking skills for the construction industry and multidisciplinary ethos;

To motivate and equip graduates to meet the challenges of change in the industry, for example, resulting from globalisation, the emphasis on sustainability, rising client expectations and changing organisational strategies;

To develop each student's analytical and creative skills and encourage the development of mature and independent judgement, leading to effective decision making and synthesising skills;

To identify and evaluate research and innovation needs in buildings.

3. Programme and Stage Learning Outcomes (c. 6-8 outcomes)

Programme (Learning) Outcomes (POs)

Knowledge and Understanding

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|----|--|
| A1 | To demonstrate an understanding of the essential facts, concepts and theories relating to architectural design and its relationship to technology |
| A2 | To understand the principles of building structure and construction including the properties of materials |
| A3 | To be aware of the nature of building fabric and systems as modifiers of the physical environment in providing a sustainable environment. |
| A4 | To analyse the performance of a building from a technical and functional perspective and recognise their inter-relationship |
| A5 | To understand the relevant statutory frameworks and other constraints and gain an appreciation of the legal principles of practice pertaining to construction contracts. |
| A6 | To understand the role of the parties to the building development process and to gain an appreciation of other professional perspectives. |

Intellectual Skills

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|----|--|
| B1 | To analyse a problem and evaluate critically, evidence and alternative points of view. |
| B2 | To interpret, analyse and communicate qualitative and quantitative data. |
| B3 | To synthesise ideas and information from a variety of sources in reaching judgements about issues, problems and solutions. |
| B4 | To demonstrate the ability to question and evaluate current theories and practice. |
| B5 | To initiate and execute research and subsequently analyse and exploit the findings. |

Subject/Professional Practice Skills

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|----|---|
| C1 | To apply knowledge of structure, construction, materials and environmental performance in building design |
| C2 | To apply the principles of good practice to design and the design process, including use of CAD and design systems. |

PART A: PROGRAMME OVERVIEW, AIMS and LEARNING OUTCOMES

C3	To create appropriate design solutions in a variety of contexts which are also technically competent and viable building design solutions of quality which meet client's requirements.
C4	To appreciate the health and safety responsibilities associated with specific aspects of the built environment.
C5	To be able to apply experimental method, including laboratory investigations, to the analysis of technical problems.
C6	To be able to observe, describe and record information about building design and condition accurately.
C7	To interpret plans and three dimensional diagrams accurately.

Transferable Skills and other attributes

D1	To be able to communicate design solutions through a variety of media and with a variety of stakeholders in the development process and construction industry.
D2	To demonstrate an understanding of the conventions of architectural drawing.
D3	To appreciate the limitations and use of computers and apply IT to the context of learning and building technology and design.
D4	To have acquired skills in the use and processing of physical quantities and numerical data
D5	To demonstrate an appreciation of the importance of inter-professional and collaborative working, and develop respect for other people's perspective.
D6	To develop the skill of independent learning.

PART B: Programme Structure**1. Structure****Year 1****Year 1 Compulsory Modules**

Code	Module Title	Credit	Type
UBLMSS-30-1	Building Science 2019-20	30	Compulsory

UBLMYS-30-1	Construction Technology and Services 2019-20	30	Compulsory
UBLLYC-60-1	Design Studio 1 2019-20	60	Compulsory

Year 2**Year 2 Compulsory Modules**

Code	Module Title	Credit	Type
UBLMUS-30-2	Commercial Development 2020-21	30	Compulsory
UBLMTV-15-2	Design Representation 2020-21	15	Compulsory
UBLMTE-15-2	History of Architecture 2020-21	15	Compulsory
UBLMRT-30-2	Procurement and Contract Practice 2020-21	30	Compulsory
UBLMGG-30-2	Technology and Design Studio 2 2020-21	30	Compulsory

Year 3

Students on this programme follow either Compulsory Modules Group 1 (Sandwich module) or Compulsory Modules Group 2 (International Academic Placement Year).

Sandwich Year:

Students on the Sandwich route complete a minimum of 200 credits at Levels 1/2. Students must fulfill a minimum of 24 weeks on placement and complete the assessment requirements in communication with the University Programme Team.

The Placement module UBLMG4-15-3 Workbased Research Project will be awarded on successful completion of the placement. The placement can be taken in the UK and Europe. Thus the Collaborative Practice Module will not be undertaken in the final year for students on the sandwich degree.

Year 3 Compulsory Modules Group 1 (Sandwich module)

Students on the Sandwich delivery must take 15 credits from the compulsory modules Group 1.

Code	Module Title	Credit	Type
UBLMG4-15-3	Work-Based Research Project 2021-22	15	Compulsory

Year 3 Compulsory Modules Group 2 (International Academic Placement Year)

Students on the International Academic Placement Year must take 15 credits from the compulsory modules Group 2.

BSc(Hons) Architectural Technology and Design students have the opportunity (subject to the option being available in any given year) to apply to spend a year abroad after Year 2. Students would take a compulsory 15 credit module (International Academic Placement Year module instead of Work-Based Research Project module) during Year 3 when abroad before undertaking their final year (Year 4) of study.

Students would therefore still require 360 credits for the award of the degree. This option (should it be available in any given year) is subject to the making of a successful application which is assessed through a competitive process as the number of places available is limited. Only students who have passed all Level 4 and 5 modules and are successful in their application are eligible to study abroad. There is therefore no guarantee that any student who so desires can automatically undertake a year of study abroad

Code	Module Title	Credit	Type
UBLLQ1-15-3	International Academic Placement Year (Architecture) 2021-22	15	Compulsory

Year 4**Year 4 Compulsory Modules**

Code	Module Title	Credit	Type
UBLMN5-30-3	Collaborative Practices in Building Information Management and Modelling 2022-23	30	Compulsory
UBLMJM-45-3	Technology and Design Studio 3 2022-23	45	Compulsory

Year 4 Optional Modules

The student must take 30 credits in modules from Optional Modules.

Code	Module Title	Credit	Type
UBLMXB-15-3	Conserving Buildings and Places 2022-23	15	Optional
UBLMGP-15-3	Energy Management and Performance Evaluation 2022-23	15	Optional

UBLMFQ-30-3	Technological Innovation and Life Cycles 2022-23	30	Optional
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PART C: Higher Education Achievement Record (HEAR) Synopsis

Graduates of this degree will be able to demonstrate an understanding of the essential facts, concepts and theories relating to architectural design and its relationship to technology. They will be able to understand the principles of building structure and construction, including the properties of materials.

These graduates will be aware of the nature of building fabric and systems as modifiers of the physical environment in providing a sustainable environment. They will also be able to analyse the performance of a building from a technical and functional perspective, and recognise their inter-relationship.

On completion of their degree, graduates will be able to understand the relevant statutory frameworks and other constraints. They will also have gained an appreciation of the legal principles of practice pertaining to construction contracts. In addition, graduates will be able to understand the role of the parties to the building development process, and gain an appreciation of other professional perspectives.

Graduates will be able to communicate design solutions through a variety of media, and with a variety of stakeholders, in the development process and construction industry. They will have demonstrated an understanding of the conventions of architectural drawing. They will also be able to appreciate the limitations and use of computers, as well as apply IT to the context of learning and building technology and design.

Upon graduation, they will be able to analyse a problem and evaluate critically, evidence and alternative points of view. They will also be able to interpret, analyse and communicate qualitative and quantitative data.

Graduates will have shown during this degree, that they are able to synthesise ideas and information from a variety of sources and that they are able to question and evaluate current theories and practice. They will also be able to initiate and execute research and subsequently analyse and exploit the findings. Graduates will be able to use and process physical quantities and numerical data. They will have an appreciation of the importance of inter-professional and collaborative working, and respect other people's perspectives. They will also have shown that they are able to learn independently.

PART D: EXTERNAL REFERENCE POINTS AND BENCHMARKS

Description of how the following reference points and benchmarks have been used in the design of the programme:

The curriculum, learning methods, aims and learning outcomes of this award respond to the guidelines and requirements of the EU, the Chartered Institute of Architectural Technologists (CIAT) and the QAA benchmark statement for Architectural Technology.

QAA publications subject benchmark statements:

QAA Architecture Technology benchmark statement; ISBN 978 1 84482 655 1

We also have looked at:

UWE Employability Strategy

QAA code of practice: section 8 Career Education, information, advice and guidance

UWE Widening Participation Strategy

PART D: EXTERNAL REFERENCE POINTS AND BENCHMARKS

UWE Sustainability Strategy
UWE Teaching and Learning Strategy

PART E: REGULATIONS

Approved to University Regulations and Procedures.