

Programme Specification

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[UG Programme Directory](#)

[PG Programme Directory](#)

Section 1 – regulatory details				
1.1	Awarding body	Wrexham University		
1.2	Teaching institution	Wrexham University		
1.3	Final award and programme title (Welsh and English)	BSc (Anrh) Technoleg Dylunio Pensaernïol BSc (Anrh) Technoleg Dylunio Pensaernïol (gyda Blwyddyn Sylfaen) BSc (Hons) Architectural Design Technology BSc (Hons) Architectural Design Technology with Foundation Year		
1.4	Exit awards and titles	BSc (Ord) Architectural Design Technology Diploma of Higher Education in Architectural Design Technology Certificate of Higher Education in Architectural Design Technology		
1.5	Credit requirements	BSc (Hons): 360 credits in total including a minimum of 120 credits at level 6 BSc (Ord): 300 credits in total including a minimum of 60 credits at level 6 Dip HE: 240 credits in total including a minimum of 120 credits at level 5 Cert HE: a minimum of 120 credits at level 4		
1.6	Intake points	September		
1.7	Mode of study	Full & part time		
1.8	Length of delivery	BSc (Hons) Architectural Design Technology 3 years full time 5 years part time 4 years part time (HNC + 3) BSc (Hons) Architectural Design Technology with Foundation Year 4 years full time		
1.9	Location of delivery	Wrexham University, Plas Coch Campus		
1.10	Mode of delivery	Full time	In person	
		Part time	In person	
1.11	Language of delivery	English		
1.12	Faculty	Faculty of Arts, Computing and Engineering (FACE)		
1.13	Subject area	Built Environment		
1.14	HECoS Code	100121		
1.15	Suitable for applicants requiring a Student Visa?	Full time	In person	Yes
		Part time	In person	No
1.16	Is DBS check required on entry?	No		

Section 1 – regulatory details											
1.17	Professional, Statutory or Regulatory Body (PSRB) accreditation	Accredited by the Chartered Institute of Architectural Technologists [CIAT] subject to review. Successful completion of an accredited BSc (Hons) Architectural Design Technology programme will exempt graduates from Stage 1 of the CIAT Educational Standards.									
1.18	Welsh Medium Provision	The programmes will be delivered through the medium of English. Students are entitled to submit assessments in the medium of Welsh.									
1.19	External reference points	QAA Subject Benchmark Statement: Architectural Technology, March 2022 QAA Subject Benchmark Statement: Land, Construction, Real Estate and Surveying, October 2019 (under review) QAA Guidance on Education for Sustainable Development									
1.20	Derogation to Academic Regulations	<table border="1"> <thead> <tr> <th>Academic Regulations Ref</th><th>Section</th><th>Derogation Summary</th></tr> </thead> <tbody> <tr> <td>UG-D3</td><td>Assessment and award of credit</td><td>Modules with a minimum of 40% pass requirement on each assessment element: AUR5B1 Architectural Design Technology 2 AUR6A3 Major Project (WBL DA)</td></tr> <tr> <td>E10.4 UG-E5.1</td><td>Compensation</td><td>Compensation will be applied for up to a maximum of 30 credits across all levels of the programme. Major individual and group based project modules must not be compensated.</td></tr> </tbody> </table>	Academic Regulations Ref	Section	Derogation Summary	UG-D3	Assessment and award of credit	Modules with a minimum of 40% pass requirement on each assessment element: AUR5B1 Architectural Design Technology 2 AUR6A3 Major Project (WBL DA)	E10.4 UG-E5.1	Compensation	Compensation will be applied for up to a maximum of 30 credits across all levels of the programme. Major individual and group based project modules must not be compensated.
Academic Regulations Ref	Section	Derogation Summary									
UG-D3	Assessment and award of credit	Modules with a minimum of 40% pass requirement on each assessment element: AUR5B1 Architectural Design Technology 2 AUR6A3 Major Project (WBL DA)									
E10.4 UG-E5.1	Compensation	Compensation will be applied for up to a maximum of 30 credits across all levels of the programme. Major individual and group based project modules must not be compensated.									
1.21	Foundation Year route	Yes									
1.22	Placement / Work based learning	Compulsory work placement									
1.23	Length and level of the placement	A minimum of 36 hrs at level 5									
1.24	Collaborative arrangement	N/A									

Section 2 – programme details

2.1 Aims of the programme

The programme is intended to provide a qualification that is recognised within the construction and civil engineering sector and its associated professions as a comprehensive, informed and valuable qualification to have achieved in the contexts of those disciplines described by the titles identified.

For the Wrexham University student, all programmes are intended to provide a challenging, rewarding and valuable experience in the development of knowledge, skills and behaviours in the context of those disciplines identified, as they relate to the processes and technologies that exist within the contemporary construction and civil engineering sector.

2.2 Programme structure and diagram, including delivery schedule

A Higher National Certificate in Construction Technology is included as a one-year qualification for part-time students who do not qualify for degree apprenticeship funding or might otherwise be ineligible for such a scheme.

Full time delivery					
Level	Module Code	Module Title	Credit Value	Core/ Option	Semester of delivery
4	AUR496	Digital Technologies in Drawing and Modelling	10	Core	Sem 1
4	AUR4A4	Digital Technologies in Surveying	20	Core	Sem 2
4	AUR497	Legal Principles, Compliance and Liability	20	Core	Sem 1
4	AUR499	Science and Materials	20	Core	Sem 1
4	AUR4A1	Construction Technology	20	Core	Sem 2
4	AUR491	Architectural Design Technology 1	10	Core	Sem 1
4	AUR4A5	Professional Practice 1	10	Core	Sem 1
4	AUR493	Construction Management 1	10	Option	Sem 1
4	AUR492	Building Surveying 1	10	Option	Sem 1
4	AUR494	Quantity Surveying 1	10	Option	Sem 1
4	AUR495	Civil Engineering Design	10	Option	Sem 2
5	AUR5B1	Architectural Design Technology 2	20	Core	Sem 1
5	AUR5A5	Building Services	20	Core	Sem 1
5	AUR5A4	Commercial Management	20	Core	Sem 1&2
5	AUR5B3	Procurement and Contract Practice	20	Core	Sem 2
5	AUR5A3	Modern Methods of Construction	20	Core	Sem 1&2
5	AUR5B2	Professional Practice 2	20	Core	Sem 2
6	AUR697	Project Management	20	Core	Sem 1
6	AUR6A2	Design for Climate Resilience	20	Core	Sem 1
6	AUR698	Individual Research Project	20	Core	Sem 1
6	AUR6A4	Professional Practice 3	20	Core	Sem 2
6	AUR6A3	Major Project	40	Core	Sem 1&2

Part time delivery (5 year option)						
Level	Module Code	Module Title	Credit Value	Core/ Option	Semester of delivery	Year of Study
4	AUR496	Digital Technologies in Drawing and Modelling	10	Core	Sem 1	Y1
4	AUR499	Science and Materials	20	Core	Sem 1	Y1
4	AUR491	Architectural Design Technology 1	10	Core	Sem 1	Y2
4	AUR4A4	Digital Technologies in Surveying	20	Core	Sem 2	Y2
4	AUR497	Legal Principles, Compliance and Liability	20	Core	Sem 1	Y1
4	AUR4A1	Construction Technology	20	Core	Sem 2	Y1
4	AUR4A5	Professional Practice 1	10	Core	Sem 1	Y2
4	AUR493	Construction Management 1	10	Option	Sem 1	Y2
4	AUR492	Building Surveying 1	10	Option	Sem 1	Y2

Part time delivery (5 year option)						
Level	Module Code	Module Title	Credit Value	Core/ Option	Semester of delivery	Year of Study
4	AUR494	Quantity Surveying 1	10	Option	Sem 1	Y2
4	AUR495	Civil Engineering Design	10	Option	Sem 2	Y2
5	AUR5B1	Architectural Design Technology 2	20	Core	Sem 1	Y3
5	AUR5A5	Building Services	20	Core	Sem 1	Y4
5	AUR5A4	Commercial Management	20	Core	Sem 1&2	Y3
5	AUR5B3	Procurement and Contract Practice	20	Core	Sem 2	Y4
5	AUR5A3	Modern Methods of Construction	20	Core	Sem 1&2	Y3
5	AUR5B2	Professional Practice 2	20	Core	Sem 2	Y3
6	AUR697	Project Management	20	Core	Sem 1	Y4
6	AUR6A2	Design for Climate Resilience	20	Core	Sem 1	Y4
6	AUR698	Individual Research Project	20	Core	Sem 1	Y5
6	AUR6A4	Professional Practice 3	20	Core	Sem 2	Y5
6	AUR6A3	Major Project	40	Core	Sem 1&2	Y5

Part time delivery (4-year option – [HNC+3])						
Level	Module Code	Module Title	Credit Value	Core/ Option	Semester of delivery	Year of Study
4	AURH496	Digital Technologies in Drawing and Modelling	10	Core	Sem 1	Y1
4	AURH499	Science and Materials	20	Core	Sem 1	Y1
4	AURH491	Architectural Design Technology 1	10	Option	Sem 2	Y1
4	AURH492	Building Surveying 1	10	Option	Sem 2	Y1
4	AURH493	Construction Management 1	10	Option	Sem 1	Y1
4	AURH494	Quantity Surveying 1	10	Option	Sem 1	Y1
4	AURH495	Civil Engineering Design	10	Option	Sem 2	Y1
4	AURH4A5	Professional Practice 1	10	Core	Sem 1	Y1
4	AURH497	Legal Principles, Compliance and Liability	20	Core	Sem 1	Y1
4	AURH4A1	Construction Technology	20	Core	Sem 2	Y1
4	AURH4A4	Digital Technologies in Surveying	20	Core	Sem 2	Y1
5	AUR5B1	Architectural Design Technology 2	20	Core	Sem 1	Y2
5	AUR5A5	Building Services	20	Core	Sem 1	Y2
5	AUR5A4	Commercial Management	20	Core	Sem 1&2	Y2
5	AUR5B3	Procurement and Contract Practice	20	Core	Sem 2	Y3
5	AUR5A3	Modern Methods of Construction	20	Core	Sem 1&2	Y2

Part time delivery (4-year option – [HNC+3])						
Level	Module Code	Module Title	Credit Value	Core/ Option	Semester of delivery	Year of Study
5	AUR5B2	Professional Practice 2	20	Core	Sem 2	Y2
6	AUR697	Project Management	20	Core	Sem 1	Y3
6	AUR6A2	Design for Climate Resilience	20	Core	Sem 1	Y3
6	AUR698	Individual Research Project	20	Core	Sem 1	Y4
6	AUR6A4	Professional Practice 3	20	Core	Sem 2	Y4
6	AUR6A3	Major Project	40	Core	Sem 1&2	Y4

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
1	Indicate an understanding of context, which includes the social, technological, environmental, economic, political, legal and ethical factors that inform and influence the discipline and practice of architectural technology at local, regional and global levels	☒	☐	☐	☐	☒	☐	☐	☐	
2	Indicate an understanding of professional behaviours, conduct and ethics, architectural practice, design leadership and management functions (for example, principal/lead designer, design management, information management), procurement methods and contract administration	☒	☐	☐	☐	☒	☐	☐	☐	
3	Indicate an understanding of technologies and interrelation of building elements, systems, components, materials and methods used in the construction and adaptation of different building typologies, and how these contribute to the functions of buildings	☒	☐	☐	☐	☒	☐	☐	☐	
4	Indicate an understanding of architectural and technological design principles, science (that is, fundamentals of building physics and pathology) and values that drive approaches taken in works to new and existing buildings (for example, conservation, maintenance, renovation and adaptation)	☒	☐	☐	☐	☒	☐	☐	☐	
5	Indicate an ability to design holistically, including the ability to detail the design from first principles, for production, performance, sustainability and better environmental performance and in response to regulatory requirements, health and safety, wellbeing and advances in sustainable technologies	☒	☐	☐	☐	☒	☐	☐	☐	
6	Indicate an understanding of client, user and stakeholder needs, analysing and interpreting the nature of a	☒	☐	☐	☐	☒	☒	☐	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
	development, and evaluating context to determine the responsive scope of a project									
7	Indicate an understanding of health and safety requirements within a regulatory system, identifying, analysing, and evaluating hazards and risks when generating solutions to ensure health, safety, welfare and security during the life cycles of buildings, including compliance and enforcement	☒	☐	☐	☐	☒	☐	☐	☐	
8	Indicate an ability to create resilient, sustainable and inclusive design solutions as whole systems and in detail in response to varied situations, which are informed by current understandings within the discipline and wider context, including climate change	☒	☐	☐	☐	☒	☐	☐	☐	
9	Indicate an understanding of current philosophies, processes and technologies for the modelling, communication, and management of information and to apply them in a collaborative working environment to support data-driven decision-making	☒	☐	☐	☐	☒	☐	☐	☐	
10	Indicate an understanding of current and emerging topics, technologies and practices (including regulations and standards) that inform the architectural technology discipline through self-reflection, identification of personal development needs, and action planning to maintain awareness and currency, and to accommodate specialisation in light of new and emerging professional environments.	☒	☐	☐	☐	☒	☐	☐	☐	
11	Demonstrate an understanding of context, which includes the social, technological, environmental, economic, political, legal and ethical factors that inform and influence the discipline and practice of architectural technology at local, regional and global levels	☒	☐	☐	☐	☐	☒	☐	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
12	Demonstrate an understanding of professional behaviours, conduct and ethics, architectural practice, design leadership and management functions (for example, principal/lead designer, design management, information management), procurement methods and contract administration	☒	☐	☐	☐	☐	☒	☐	☐	
13	Demonstrate an understanding of technologies and interrelation of building elements, systems, components, materials and methods used in the construction and adaptation of different building typologies, and how these contribute to the functions of buildings	☒	☐	☐	☐	☐	☒	☐	☐	
14	Demonstrate an understanding of architectural and technological design principles, science (that is, fundamentals of building physics and pathology) and values that drive approaches taken in works to new and existing buildings (for example, conservation, maintenance, renovation and adaptation)	☒	☐	☐	☐	☐	☒	☐	☐	
15	Demonstrate an ability to design holistically, including the ability to detail the design from first principles, for production, performance, sustainability and better environmental performance and in response to regulatory requirements, health and safety, wellbeing and advances in sustainable technologies	☒	☐	☐	☐	☐	☒	☐	☐	
16	Demonstrate an understanding of client, user and stakeholder needs, analysing and interpreting the nature of a development, and evaluating context to determine the responsive scope of a project	☒	☐	☐	☐	☐	☒	☐	☐	
17	Demonstrate an understanding of health and safety requirements within a regulatory system, identifying, analysing, and evaluating hazards and risks when generating solutions to ensure health, safety, welfare and security	☒	☐	☐	☐	☐	☒	☐	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
	during the life cycles of buildings, including compliance and enforcement									
18	Demonstrate an ability to create resilient, sustainable and inclusive design solutions as whole systems and in detail in response to varied situations, which are informed by current understandings within the discipline and wider context, including climate change	☒	☐	☐	☐	☐	☒	☐	☐	
19	Demonstrate an understanding of current philosophies, processes and technologies for the modelling, communication, and management of information and to apply them in a collaborative working environment to support data-driven decision-making	☒	☐	☐	☐	☐	☒	☐	☐	
20	Demonstrate an understanding of current and emerging topics, technologies and practices (including regulations and standards) that inform the architectural technology discipline through self-reflection, identification of personal development needs, and action planning to maintain awareness and currency, and to accommodate specialisation in light of new and emerging professional environments	☒	☐	☐	☐	☐	☒	☐	☐	
21	Differentiate context, which includes the social, technological, environmental, economic, political, legal and ethical factors that inform and influence the discipline and practice of architectural technology at local, regional and global levels	☒	☐	☐	☐	☐	☐	☒	☐	
22	Demonstrate an understanding of professional behaviours, conduct and ethics, architectural practice, design leadership and management functions (for example, principal/lead designer, design management, information management), procurement methods and contract administration	☒	☐	☐	☐	☐	☐	☒	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
23	Differentiate technologies and interrelation of building elements, systems, components, materials and methods used in the construction and adaptation of different building typologies, and how these contribute to the functions of buildings	☒	☐	☐	☐	☐	☐	☒	☐	
24	Differentiate architectural and technological design principles, science (that is, fundamentals of building physics and pathology) and values that drive approaches taken in works to new and existing buildings (for example, conservation, maintenance, renovation and adaptation)	☒	☐	☐	☐	☐	☐	☒	☐	
25	Differentiate in designing holistically, including the ability to detail the design from first principles, for production, performance, sustainability and better environmental performance and in response to regulatory requirements, health and safety, wellbeing and advances in sustainable technologies	☒	☐	☐	☐	☐	☐	☒	☐	
26	Differentiate client, user and stakeholder needs, analysing and interpreting the nature of a development, and evaluating context to determine the responsive scope of a project	☒	☐	☐	☐	☐	☐	☒	☐	
27	Differentiate health and safety requirements within a regulatory system, identifying, analysing, and evaluating hazards and risks when generating solutions to ensure health, safety, welfare and security during the life cycles of buildings, including compliance and enforcement	☒	☐	☐	☐	☐	☐	☒	☐	
28	Differentiate in creating resilient, sustainable and inclusive design solutions as whole systems and in detail in response to varied situations, which are informed by current understandings within the discipline and wider context, including climate change	☒	☐	☐	☐	☐	☐	☒	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
29	Differentiate current philosophies, processes and technologies for the modelling, communication, and management of information and to apply them in a collaborative working environment to support data-driven decision-making	☒	☐	☐	☐	☐	☐	☒	☐	
30	Differentiate current and emerging topics, technologies and practices (including regulations and standards) that inform the architectural technology discipline through self-reflection, identification of personal development needs, and action planning to maintain awareness and currency, and to accommodate specialisation in light of new and emerging professional environments.	☒	☐	☐	☐	☐	☐	☒	☐	
31	Synthesize context, which includes the social, technological, environmental, economic, political, legal and ethical factors that inform and influence the discipline and practice of architectural technology at local, regional and global levels	☒	☐	☐	☐	☐	☐	☐	☒	
32	Demonstrate an understanding of professional behaviours, conduct and ethics, architectural practice, design leadership and management functions (for example, principal/lead designer, design management, information management), procurement methods and contract administration	☒	☐	☐	☐	☐	☐	☐	☒	
33	Synthesise technologies and interrelation of building elements, systems, components, materials and methods used in the construction and adaptation of different building typologies, and how these contribute to the functions of buildings	☒	☐	☐	☐	☐	☐	☐	☒	
34	Synthesise architectural and technological design principles, science (that is, fundamentals of building physics and pathology) and values that drive approaches taken in works	☒	☐	☐	☐	☐	☐	☐	☒	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
	to new and existing buildings (for example, conservation, maintenance, renovation and adaptation)									
35	Synthesise design holistically, including the ability to detail the design from first principles, for production, performance, sustainability and better environmental performance and in response to regulatory requirements, health and safety, wellbeing and advances in sustainable technologies	☒	☐	☐	☐	☐	☐	☐	☒	
36	Justify client, user and stakeholder needs, analysing and interpreting the nature of a development, and evaluating context to determine the responsive scope of a project	☒	☐	☐	☐	☐	☐	☐	☒	
37	Synthesise health and safety requirements within a regulatory system, identifying, analysing, and evaluating hazards and risks when generating solutions to ensure health, safety, welfare and security during the life cycles of buildings, including compliance and enforcement	☒	☐	☐	☐	☐	☐	☐	☒	
38	Synthesise in creating resilient, sustainable and inclusive design solutions as whole systems and in detail in response to varied situations, which are informed by current understandings within the discipline and wider context, including climate change	☒	☐	☐	☐	☐	☐	☐	☒	
39	Synthesise current philosophies, processes and technologies for the modelling, communication, and management of information and to apply them in a collaborative working environment to support data-driven decision-making	☒	☐	☐	☐	☐	☐	☐	☒	
40	Synthesise current and emerging topics, technologies and practices (including regulations and standards) that inform the architectural technology discipline through self-reflection, identification of personal development needs, and action planning to maintain awareness and currency, and to	☒	☐	☐	☐	☐	☐	☐	☒	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
	accommodate specialisation in light of new and emerging professional environments.									
41	Identify a strategy for using relevant key skills over an extended period of time, and plan how this will be achieved	☐	☒	☐	☐	☒	☐	☐	☐	
42	Reflect on performance in using relevant skills, and identify a strategy, as necessary, to achieve the quality of outcomes required	☐	☒	☐	☐	☒	☐	☐	☐	
43	Identify an overall strategy and present outcomes from work, including ways of further improving skills.	☐	☒	☐	☐	☒	☐	☐	☐	
44	Develop a strategy for using relevant key skills over an extended period of time, and plan how this will be achieved	☐	☒	☐	☐	☐	☒	☐	☐	
45	Develop performance in using relevant skills, and evolve a strategy, as necessary, to achieve the quality of outcomes required	☐	☒	☐	☐	☐	☒	☐	☐	
46	Develop an overall strategy and present outcomes from work, including ways of further improving skills	☐	☒	☐	☐	☐	☒	☐	☐	
47	Implement a strategy for using relevant key skills over an extended period of time, and plan how this will be achieved	☐	☒	☐	☐	☐	☐	☒	☐	
48	Further-develop performance in using relevant skills, and identify a strategy, as necessary, to achieve the quality of outcomes required	☐	☒	☐	☐	☐	☐	☒	☐	
49	Further-develop an overall strategy and present outcomes from work, including ways of further improving skills.	☐	☒	☐	☐	☐	☐	☒	☐	
50	Maintain a strategy for using relevant key skills over an extended period of time, and plan how this will be achieved	☐	☒	☐	☐	☐	☐	☐	☒	
51	Maintain performance in using relevant skills, and identify a strategy, as necessary, to achieve the quality of outcomes required	☐	☒	☐	☐	☐	☐	☐	☒	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
52	Maintain an overall strategy and present outcomes from work, including ways of further improving skills.	☐	☒	☐	☐	☐	☐	☐	☒	
53	Indicate a systematic understanding and critical awareness of the history and context, and the political, economic, environmental, social and technological aspects that inform and influence the practice of Architectural Technology nationally and internationally	☐	☐	☒	☐	☒	☐	☐	☐	
54	Indicate an awareness of the technological theories that inform and influence the	☐	☐	☒	☐	☒	☐	☐	☐	
55	Indicate an ability to problem solve and to identify appropriate methodologies to deal with complex problems and realise design into built form through the generation of detailed design solutions that respond to familiar, unfamiliar and unpredictable situations	☐	☐	☒	☐	☒	☐	☐	☐	
56	Indicate an ability to successfully complete substantial sustainable and inclusive design and research projects, systematic review or systematic case study informed by wider current understandings in the subject;	☐	☐	☒	☐	☒	☐	☐	☐	
57	Recognize building elements, components, systems, and methods used for different building typologies and an ability to identify appropriate methodologies for dealing with complex problems	☐	☐	☒	☐	☒	☐	☐	☐	
58	Indicate an awareness of current topics and practices which inform the discipline of Architectural Technology including new and emerging technologies	☐	☐	☒	☐	☒	☐	☐	☐	
59	Indicate an awareness of project and design management, project procurement and process, construction and contract management	☐	☐	☒	☐	☒	☐	☐	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
60	Demonstrate an ability to identify hazards and risks and develop and maintain safe systems of work and legal and relevant legislation and regulatory frameworks	☐	☐	☒	☐	☒	☐	☐	☐	
61	Indicate an ability to identify relevant legislation and legal and regulatory frameworks	☐	☐	☒	☐	☒	☐	☐	☐	
62	Indicate an ability to work independently and as a member of a team, developing critical discussion and analysis of complex concepts, identifying personal development needs and to plan to meet these needs through relevant and appropriate methods	☐	☐	☒	☐	☒	☐	☐	☐	
63	Demonstrate a systematic understanding and critical awareness of the history and context, and the political, economic, environmental, social and technological aspects that inform and influence the practice of Architectural Technology nationally and internationally	☐	☐	☒	☐	☐	☒	☒	☐	
64	Demonstrate an awareness of the technological theories that inform and influence the practice of architectural technology	☐	☐	☒	☐	☐	☒	☒	☐	
65	Demonstrate an ability to problem solve and to identify appropriate methodologies to deal with complex problems and realise design into built form through the generation of detailed design solutions that respond to familiar, unfamiliar and unpredictable situations	☐	☐	☒	☐	☐	☒	☒	☐	
66	Demonstrate an ability to successfully complete substantial sustainable and inclusive design and research projects, systematic review or systematic case study informed by wider current understandings in the subject;	☐	☐	☒	☐	☐	☒	☒	☐	
67	Differentiate building elements, components, systems, and methods used for different building typologies and identify	☐	☐	☒	☐	☐	☒	☐	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
	appropriate methodologies for dealing with complex problems									
68	Demonstrate an awareness of current topics and practices which inform the discipline of Architectural Technology including new and emerging technologies	☐	☐	☒	☐	☐	☒	☐	☐	
69	Demonstrate an awareness of project and design management, project procurement and process, construction and contract management	☐	☐	☒	☐	☐	☒	☒	☐	
70	Demonstrate an ability to identify hazards and risks and develop and maintain safe systems of work and legal and relevant legislation and regulatory frameworks	☐	☐	☒	☐	☐	☒	☒	☐	
71	Demonstrate an ability to identify relevant legislation and legal and regulatory frameworks	☐	☐	☒	☐	☐	☒	☐	☐	
72	Demonstrate an ability to work independently and as a member of a team, developing critical discussion and analysis of complex concepts, identifying personal development needs and to plan to meet these needs through relevant and appropriate methods	☐	☐	☒	☐	☐	☒	☐	☐	
73	Analyse building elements, components, systems, and methods used for different building typologies and identify appropriate methodologies for dealing with complex problems	☐	☐	☒	☐	☐	☐	☒	☐	
74	Differentiate current topics and practices which inform the discipline of Architectural Technology including new and emerging technologies	☐	☐	☒	☐	☐	☐	☒	☐	
75	Identify hazards and risks and develop and maintain safe systems of work and legal and relevant legislation and regulatory frameworks	☐	☐	☒	☐	☐	☐	☒	☐	
76	Differentiate relevant legislation and legal and regulatory frameworks	☐	☐	☒	☐	☐	☐	☒	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
77	Work independently and as a member of a team, developing critical discussion and analysis of complex concepts, identifying personal development needs and to plan to meet these needs through relevant and appropriate methods.	☐	☐	☒	☐	☐	☐	☒	☒	
78	Synthesize a systematic understanding and critical awareness of the history and context, and the political, economic, environmental, social and technological aspects that inform and influence the practice of Architectural Technology nationally and internationally	☐	☐	☒	☐	☐	☐	☐	☒	
79	Synthesise an awareness of the technological theories that inform and influence the practice of architectural technology	☐	☐	☒	☐	☐	☐	☐	☒	
80	Problem solve and identify appropriate methodologies to deal with complex problems and realise design into built form through the generation of detailed design solutions that respond to familiar, unfamiliar and unpredictable situations	☐	☐	☒	☐	☐	☐	☐	☒	
81	Successfully complete substantial sustainable and inclusive design and research projects, systematic review or systematic case study informed by wider current understandings in the subject	☐	☐	☒	☐	☐	☐	☐	☒	
82	Justify building elements, components, systems, and methods used for different building typologies and identify appropriate methodologies for dealing with complex problems	☐	☐	☒	☐	☐	☐	☐	☒	
83	Evaluate current topics and practices which inform the discipline of Architectural Technology including new and emerging technologies	☐	☐	☒	☐	☐	☐	☐	☒	
84	Employ an awareness of project and design management, project procurement and process, construction and contract management	☐	☐	☒	☐	☐	☐	☐	☒	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
85	Synthesize relevant legislation and legal and regulatory frameworks	☐	☐	☒	☐	☐	☐	☐	☒	
86	Indicate an ability to perform assigned tasks as part of a team	☐	☐	☐	☒	☒	☐	☐	☐	
87	Indicate an ability to bring together information and materials from different sources	☐	☐	☐	☒	☒	☐	☐	☐	
88	Indicate an ability to identify problems and questions	☐	☐	☐	☒	☒	☐	☐	☐	
89	Indicate an ability to undertake the analysis of factual information	☐	☐	☐	☒	☒	☐	☐	☐	
90	Indicate an ability to recognise strengths and weaknesses in the arguments of others	☐	☐	☐	☒	☒	☐	☐	☐	
91	Indicate an ability to produce a synthesis of the state of knowledge on a particular subject or topic	☐	☐	☐	☒	☒	☐	☐	☐	
92	Indicate an ability, with guidance, to undertake tasks independently	☐	☐	☐	☒	☒	☐	☐	☐	
93	Indicate an ability to reflect on one's own progress and to make use of feedback provided	☐	☐	☐	☒	☒	☐	☐	☐	
94	Indicate an ability express one's self effectively both verbally and/or non-verbally	☐	☐	☐	☒	☒	☐	☐	☐	
95	Indicate an ability to present knowledge or an argument in a way that is comprehensible to others	☐	☐	☐	☒	☒	☐	☐	☐	
96	Indicate an ability to use relevant digital systems to collate, analyse, select and present information	☐	☐	☐	☒	☒	☐	☐	☐	
97	Indicate an ability to deliver presentations utilising visual aids and multimedia	☐	☐	☐	☒	☒	☐	☐	☐	
98	Indicate an ability to comprehend when presented with new ideas or information	☐	☐	☐	☒	☒	☐	☐	☐	
99	Indicate skills in recognising and describing materials	☐	☐	☐	☒	☒	☐	☐	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
100	Indicate an understanding of the importance of health and safety, and of equality, diversity and inclusiveness in the work environment	☐	☐	☐	☒	☒	☐	☐	☐	
101	Indicate an ability to appreciate and engage in contemporary debates relating to sustainability, employability and global perspectives, including decolonisation and anti-racism	☐	☐	☐	☒	☒	☐	☐	☐	
102	Indicate an appreciation of the need to act in a sustainable manner and display ethical behaviour and conduct.	☐	☐	☐	☒	☒	☐	☐	☐	
103	Perform assigned tasks as part of a team	☐	☐	☐	☒	☐	☒	☐	☐	
104	Bring together information and materials from different sources	☐	☐	☐	☒	☐	☒	☐	☐	
105	Identify problems and questions	☐	☐	☐	☒	☐	☒	☐	☐	
106	Undertake the analysis of factual information	☐	☐	☐	☒	☐	☒	☐	☐	
107	Demonstrate an ability to recognise strengths and weaknesses in the arguments of others	☐	☐	☐	☒	☐	☒	☐	☐	
108	Demonstrate an ability to produce a synthesis of the state of knowledge on a particular subject or topic	☐	☐	☐	☒	☐	☒	☐	☐	
109	Demonstrate, with guidance, an ability to undertake tasks independently	☐	☐	☐	☒	☐	☒	☐	☐	
110	Demonstrate an ability to reflect on one's own progress and to make use of feedback provided	☐	☐	☐	☒	☐	☒	☐	☐	
111	Demonstrate an ability to express one's self effectively both verbally and/or non-verbally	☐	☐	☐	☒	☐	☒	☐	☐	
112	Demonstrate an ability to present knowledge or an argument in a way that is comprehensible to others	☐	☐	☐	☒	☐	☒	☐	☐	
113	Demonstrate an ability to use relevant digital systems to collate, analyse, select and present information	☐	☐	☐	☒	☐	☒	☐	☐	
114	Demonstrate an ability to deliver presentations utilising visual aids and multimedia	☐	☐	☐	☒	☐	☒	☐	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
115	Demonstrate an ability to comprehend when presented with new ideas or information	☐	☐	☐	☒	☐	☒	☐	☐	
116	Demonstrate skills in recognising and describing material	☐	☐	☐	☒	☐	☒	☐	☐	
117	Demonstrate understanding of the importance of health and safety, and of equality, diversity and inclusiveness in the work environment	☐	☐	☐	☒	☐	☒	☐	☐	
118	Appreciate and engage in contemporary debates relating to sustainability, employability and global perspectives, including decolonisation and anti-racism	☐	☐	☐	☒	☐	☒	☐	☐	
119	Demonstrate an appreciation of the need to act in a sustainable manner and display ethical behaviour and conduct.	☐	☐	☐	☒	☐	☒	☐	☐	
120	Perform and differentiate assigned tasks as part of a team	☐	☐	☐	☒	☐	☐	☒	☐	
121	Bring together and examine information and materials from different sources	☐	☐	☐	☒	☐	☐	☒	☐	
122	Identify and examine problems and questions	☐	☐	☐	☒	☐	☐	☒	☐	
123	Undertake and reflect upon the analysis of factual information	☐	☐	☐	☒	☐	☐	☒	☐	
124	Recognise and differentiate between strengths and weaknesses in the arguments of others	☐	☐	☐	☒	☐	☐	☒	☐	
125	Produce a synthesis of the state of knowledge on a particular subject or topic	☐	☐	☐	☒	☐	☐	☒	☐	
126	With guidance, undertake tasks independently and differentiate outcomes	☐	☐	☐	☒	☐	☐	☒	☐	
127	Reflect and differentiate in one's own progress and make use of feedback provided	☐	☐	☐	☒	☐	☐	☒	☐	
128	Express one's self effectively both verbally and/or non-verbally and reflect upon results	☐	☐	☐	☒	☐	☐	☒	☐	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
129	Present knowledge or an argument in a way that is comprehensible to others and reflect upon results	☐	☐	☐	☒	☐	☐	☒	☐	
130	Use and differentiate between relevant digital systems to collate, analyse, select and present information	☐	☐	☐	☒	☐	☐	☒	☐	
131	Deliver presentations utilising visual aids and multimedia and reflect upon results	☐	☐	☐	☒	☐	☐	☒	☐	
132	Demonstrate an ability to comprehend when presented with new ideas or information and reflect upon the experience	☐	☐	☐	☒	☐	☐	☒	☐	
133	Demonstrate skills in recognising and describing material and reflect upon the experience	☐	☐	☐	☒	☐	☐	☒	☐	
134	Demonstrate understanding of, and reflect upon, the importance of health and safety, and of equality, diversity and inclusiveness in the work environment	☐	☐	☐	☒	☐	☐	☒	☐	
135	Appreciate and engage in contemporary debates relating to sustainability, employability and global perspectives, including decolonisation and anti-racism, and reflect upon findings	☐	☐	☐	☒	☐	☐	☒	☐	
136	Act in a sustainable manner, display and reflect upon ethical behaviour and conduct	☐	☐	☐	☒	☐	☐	☒	☐	
137	Perform and self-evaluate assigned tasks as part of a team	☐	☐	☐	☒	☐	☐	☐	☒	
138	Bring together and evaluate information and materials from different sources	☐	☐	☐	☒	☐	☐	☐	☒	
139	Identify and evaluate problems and questions	☐	☐	☐	☒	☐	☐	☐	☒	
140	Undertake the analysis of factual information and evaluate outcomes	☐	☐	☐	☒	☐	☐	☐	☒	
141	Recognise and evaluate strengths and weaknesses in the arguments of others	☐	☐	☐	☒	☐	☐	☐	☒	
142	Produce a synthesis of the state of knowledge on a particular subject or topic and evaluate outcomes	☐	☐	☐	☒	☐	☐	☐	☒	

2.3 Programme Learning Outcomes										
No.	Learning Outcome	K	I	S	P	Cert HE (L4)	Dip HE (L5)	Ordinary (L6)	Honours (L6)	Optional Ref (PSRB standards)
143	With guidance, undertake tasks independently and evaluate outcomes	☐	☐	☐	☒	☐	☐	☐	☒	
144	Reflect upon and evaluate one's own progress and make use of feedback provided	☐	☐	☐	☒	☐	☐	☐	☒	
145	Express one's self effectively both verbally and/or non-verbally and evaluate results	☐	☐	☐	☒	☐	☐	☐	☒	
146	Present knowledge or an argument in a way that is comprehensible to others and evaluate results	☐	☐	☐	☒	☐	☐	☐	☒	
147	Use, differentiate between and evaluate relevant digital systems to collate, analyse, select and present information	☐	☐	☐	☒	☐	☐	☐	☒	
148	Deliver presentations utilising visual aids and multimedia and evaluate results	☐	☐	☐	☒	☐	☐	☐	☒	
149	Demonstrate an ability to comprehend when presented with new ideas or information and evaluate the experience	☐	☐	☐	☒	☐	☐	☐	☒	
150	Demonstrate skills in recognising and describing material and evaluate the experience	☐	☐	☐	☒	☐	☐	☐	☒	
151	Demonstrate understand of, and evaluate the importance of health and safety, and of equality, diversity and inclusiveness in the work environment	☐	☐	☐	☒	☐	☐	☐	☒	
152	Appreciate and engage in contemporary debates relating to sustainability, employability and global perspectives, including decolonisation and anti-racism, and evaluate findings	☐	☐	☐	☒	☐	☐	☐	☒	
153	Act in a sustainable manner, display and evaluate ethical behaviour and conduct	☐	☐	☐	☒	☐	☐	☐	☒	

Note: K- Knowledge and understanding; I-Intellectual Skills; S-Subject Skills; P-Practical, professional and employability skills

2.4 Learning and teaching strategy

The learning and teaching experience will benefit from a variety of approaches that ensure content is considered against a broad contextual background commensurate with the diverse nature of industrial practice. Candidates will develop academic skills and associated competencies in an environment that encourages original thought and personal development through the interpretation and analysis of technical content.

In exploiting opportunities to encourage the interest and engagement of students, delivery will be such that a variety of recognised methods will be employed using the University's Active Learning Framework (ALF), both instructive and exploratory, towards appropriate coverage and depth in the consideration of module content. Wherever possible, scenario-based opportunities will be utilised to explore both general principles and specific issues in context, and traditional didactic methods will be limited to those areas of the curriculum that necessitate such an instructive approach. In this respect, delivery will be overtly student-centred, and all who participate should be given the opportunity to feel comfortable and confident in contributing to the learning process, within an environment of mutual respect and learning.

In terms of resourcing the programmes, cohorts will be provided with all that is necessary to ensure that knowledge and understanding is developed in the use of facilities and equipment that best-reflect current industrial practice. Such resources include technological equipment, computational software and electronic databases that might be expected to be utilised in the design, construction and use of buildings and infrastructure in contemporary development processes. 'Base-rooms' are already established in the University which are utilised to their fullest extent in order to give identity to the programmes of study, and to provide students with shared spaces that encourage a collegiate approach to study.

In resourcing academic aspects of the provision, digital platforms such as Moodle, Digimap and the Construction Information Service will enable students to access programme documentation, lecture content and research material in order that students are fully served by such resources in the preparation and submission of assessments.

In embracing opportunities presented by the use of Artificial Intelligence, students will be encouraged to utilise such tools overtly in the development of knowledge and understanding, but will be expected to corroborate how such technologies have been used towards the production of original assessment submissions.

Every opportunity will be taken to maximise industrial engagement within programmes through contributions from guest speakers, visits to live construction and civil engineering projects and through attendance at seminars, conferences and exhibitions that are often promoted within the sector. Travel in the UK and abroad is also encouraged if at all practicable in pursuit of similar objectives.

Because of the prevailing industrial contexts, learning opportunities will be informed by the Key Skills for Employment which underpins related clauses within professional body and QAA Benchmark specifications that relate directly to the disciplines of the titles proposed. All HNC students will be required to be permanently employed on a full-time basis within their industrial context and provided with a facility to attend on a 'day-release' basis, or such other agreed mode of attendance should aspects of the provision be delivered in blocks. All full-time students will be required to undertake a work placement of at least one week's duration in an employment setting considered appropriate by their respective Programme Leader.

2.5 Assessment strategy

A range of assessment methods will be utilised to ensure that students are able to express themselves in a variety of different ways, in order to simulate the sorts of written, practical, visual and oral communication mediums that might be expected to take place within the professional and industrial work environment. Work-based Learning, Professional Practice and work placement components in particular, will allow students to directly connect professional and vocational aspects of their chosen sector with those academic components of the programme, such that in combination, academic study and occupational experience will be complementary in developing a student's knowledge and understanding of their subject.

The assessment strategy will encompass a range of techniques to ensure that students are provided with diverse opportunities to demonstrate their knowledge and understanding. Written submissions, the practical use of technological equipment, visual presentations, laboratory analyses, in-class tests, examinations, coursework and viva voce are all important components in a systematic approach to providing students with opportunities to express themselves. Types of assessment have been selected to best-suit the nature of the technical content of each module and collectively constitute a balanced and coherent whole in pursuit of an inclusive and broad-based approach to the measurement of knowledge, skills and behaviours.

In order to help corroborate authenticity and originality in the provision of assessment work that might be subject to the inappropriate use of Artificial Intelligence, all 'presentations' will incorporate an oral 'question and answer' component.

2.6 Disclaimer

Throughout quality assurance processes we have ensured that this programme engages with and is aligned to:

- [Academic Regulations](#)
- [The University Skills Framework](#)
- [Welsh Language Policy](#)
- [Equality and Diversity Policy](#)
- [The Student Union offers support for students](#)

Section 3 – Programme set up (office use only)

3.1	Framework	FRAME001_SEP FRAME005_SEP FRAME071_SEP
3.2	Cost centre	GABE
3.3	Course type (HESA)	N/A
3.4	Fee model	UG: Standard FT/PT (Fee as specified on website)
3.5	Are any modules taught over either multiple periods or across the HESA year (defined as running 1st August - 31st July)	Yes
3.6	Student funding model	SLC/Self-Financed
3.7	Mode of Attendance (Funding)	In person attendance
3.8	Does the Suitability for Practice Procedure apply to the programme?	No
3.9	Programme Leader	Gareth Carr
3.10	Date of Approval	03/07/2024

Section 3 – Programme set up (office use only)		
3.11	Date and type of Revision	10/09/2026 Change of semester of delivery for several modules (AM1)