

APPROVED

Bachelor of Science (Honours) in Architectural Technology
Faculty of Engineering & Science

Award Class					
Awards					
BSc (Hons)					
Programme Code	CR_CARCT_8	Mode of Delivery	Full Time, ACCS	No. of Semesters	8
NFQ Level	8	Embedded Award	No	Programme Credits	240
Next Review Date					
Review Type				Date	
Programmatic Review				01/04/2022	
Department	ARCHITECTURE				
Field of Study	5810 - Architecture & Urban Environment				

Programme Outcomes

Upon successful completion of this programme the graduate will be able to demonstrate... :

#	PO Domains	Programme Learning Outcome
PO1	Knowledge - Breadth	Knowledge and understanding of the concepts and methods pertaining to the discipline of Architectural Technology including technology, environment, context, regulation and legislation, communication, research, information evaluation, procurement and management.
PO2	Knowledge - Kind	Detailed knowledge and ability in Architectural Technical Design including innovative responses to technical and environmental challenges.
PO3	Skill - Range	The ability to analyse, synthesise, innovate and form objective strategies in response to challenge utilizing current IT tools.
PO4	Skill - Selectivity	The ability to provide, through the technical design process, appropriate built environment solutions that integrate a response to context, technology, environment, regulations and legislation.
PO5	Competence - Context	The ability to generate innovative technical design that responds to complex built environment challenges.
PO6	Competence - Role	The ability to work effectively as an individual, in teams and as part of a multi-disciplinary team and communicate with all others involved in the architectural process and society at large.
PO7	Competence - Learning to Learn	The ability to identify and address learning needs to adapt successfully to change, provide for new architectural technologies and accommodate wider professional and ethical standards.
PO8	Competence - Insight	An understanding of the wider social, political, business and economic context within which the Architectural Technologist operates and the need for high ethical standards in its practice, including the responsibilities of the Architectural Technology profession towards people and the environment.

Semester Schedules

Year 1 / Semester 1

Mandatory				
<i>Code</i>	<i>Title</i>	<i>Module Coordinator</i>	<i>Version</i>	<i>Credits</i>
ARCH6071	<u>CTMS - Wood</u>	Samuel Vardy	2	5
CMOD6001	<u>Creativity Innovation&Teamwork</u>	MARESE BERMINGHAM	3	5
ENVI6004	<u>Environment-Climate Change & H</u>	Samuel Vardy	5	5
ARCH6070	<u>Intro. Architectural Graphics</u>	Samuel Vardy	1	5
ARCH6051	<u>Studio: Timber & Steel</u>	Samuel Vardy	5	10

Year 1 / Semester 2

Mandatory				
<i>Code</i>	<i>Title</i>	<i>Module Coordinator</i>	<i>Version</i>	<i>Credits</i>
ARCH6072	<u>Architectural Graphics</u>	Samuel Vardy	1	5
ARCH6073	<u>CTMS - Masonry</u>	Samuel Vardy	2	5
ENVI6005	<u>Environmental Materials & Serv</u>	Samuel Vardy	5	5
MATH6062	<u>Mathematics for Architecture</u>	Samuel Vardy	1	5
ARCH6054	<u>Studio: Concrete & Masonry</u>	Samuel Vardy	4	10

Year 2 / Semester 1

Mandatory				
<i>Code</i>	<i>Title</i>	<i>Module Coordinator</i>	<i>Version</i>	<i>Credits</i>
ARCH6083	<u>Arch Graphics: 3D fundamentals</u>	Samuel Vardy	2	5
ARCH6074	<u>CTMS - Frames</u>	Samuel Vardy	2	5
ENVI6006	<u>Services: Energy, Water & Dra</u>	Samuel Vardy	4	5
ARCH6084	<u>Studio: Multi-storey Frames</u>	Samuel Vardy	2	10

Elective				
<i>Code</i>	<i>Title</i>	<i>Module Coordinator</i>	<i>Version</i>	<i>Credits</i>
ARCH6067	<u>3D Visualization 1</u>	Samuel Vardy	1	5
ARCH8003	<u>Adapt & Reuse: Strategies</u>	Samuel Vardy	4	5
ARCH6078	<u>Architectural History</u>	Samuel Vardy	1	5
FREE6001	<u>Free Choice Module</u>	PAUL GALLAGHER	3	5

Year 2 / Semester 2

Year 2 Semester 2 Elective Regulation

Any 5-credit elective can only be completed once during the programme.

Mandatory				
<i>Code</i>	<i>Title</i>	<i>Module Coordinator</i>	<i>Version</i>	<i>Credits</i>
ARCH7044	<u>Arch Graphics: 3D Modelling</u>	Samuel Vardy	2	5
ARCH6075	<u>CTMS - Elements</u>	Samuel Vardy	2	5
ENVI7003	<u>Climate Adaptation & Services</u>	Samuel Vardy	4	5
ARCH6085	<u>Studio: Multi-storey Elements</u>	Samuel Vardy	3	10

Elective				
<i>Code</i>	<i>Title</i>	<i>Module Coordinator</i>	<i>Version</i>	<i>Credits</i>
ARCH8004	<u>Adapt & Reuse: Conservation</u>	Samuel Vardy	4	5
ARCH8003	<u>Adapt & Reuse: Strategies</u>	Samuel Vardy	4	5
FREE6001	<u>Free Choice Module</u>	PAUL GALLAGHER	3	5
CIVL6028	<u>Introductory Land Surveying</u>	DES WALSH	3	5

Year 3 / Semester 1

Mandatory				
<i>Code</i>	<i>Title</i>	<i>Module Coordinator</i>	<i>Version</i>	<i>Credits</i>
ARCH7040	<u>CTMS - Basements</u>	Samuel Vardy	1	5
ARCH7033	<u>Studio: Hybrid Multi-storey</u>	Samuel Vardy	6	10
INTR7025	<u>Work Placement in AEC</u>	Samuel Vardy	1	10
Elective				
<i>Code</i>	<i>Title</i>	<i>Module Coordinator</i>	<i>Version</i>	<i>Credits</i>
ARCH7023	<u>3D Visualization 2</u>	Samuel Vardy	1	5
ARCH6067	<u>3D Visualization 1</u>	Samuel Vardy	1	5
ARCH8004	<u>Adapt & Reuse: Conservation</u>	Samuel Vardy	4	5
ARCH8003	<u>Adapt & Reuse: Strategies</u>	Samuel Vardy	4	5
ARCH8021	<u>Contemporary Research Topics</u>	Samuel Vardy	2	5
FREE6001	<u>Free Choice Module</u>	PAUL GALLAGHER	3	5
CIVL6031	<u>Health and Safety - Built Env</u>	DES WALSH	3	5
ARCH7029	<u>Photoshop</u>	Samuel Vardy	1	5
ARCH7030	<u>SketchUp</u>	Samuel Vardy	1	5

Year 3 / Semester 2

Mandatory				
<i>Code</i>	<i>Title</i>	<i>Module Coordinator</i>	<i>Version</i>	<i>Credits</i>
ARCH7039	<u>Advanced 3D Modelling</u>	Samuel Vardy	1	5
ARCH7041	<u>CTMS - Cladding</u>	Samuel Vardy	1	5
ENVI7006	<u>Environmental Assessment</u>	Samuel Vardy	3	5
ARCH6043	<u>Professional Practice Contract</u>	Samuel Vardy	5	5
ARCH7035	<u>Studio: Tech Synthesis</u>	Samuel Vardy	5	10

Year 4 / Semester 1

Mandatory				
<i>Code</i>	<i>Title</i>	<i>Module Coordinator</i>	<i>Version</i>	<i>Credits</i>
ENVI8005	<u>Environment Services Retrofit</u>	Samuel Vardy	6	5
INTR8032	<u>Interdisciplinary Project</u>	JOSEPH HARRINGTON	1	5
ARCH8001	<u>Prof. Practice – Management</u>	Samuel Vardy	5	5
ARCH8030	<u>Research Project Design</u>	Samuel Vardy	2	5
ARCH8028	<u>Technical Design for Retrofit</u>	Samuel Vardy	3	10

Year 4 / Semester 2

Mandatory				
<i>Code</i>	<i>Title</i>	<i>Module Coordinator</i>	<i>Version</i>	<i>Credits</i>
ARCH8031	<u>Research Project Development</u>	Samuel Vardy	1	10
ARCH8017	<u>Architectural Portfolio</u>	Samuel Vardy	5	5
ARCH8016	<u>Technical Design Resolution</u>	Samuel Vardy	4	10

Elective				
<i>Code</i>	<i>Title</i>	<i>Module Coordinator</i>	<i>Version</i>	<i>Credits</i>
ARCH8021	<u>Contemporary Research Topics</u>	Samuel Vardy	2	5
ARCH7038	<u>Work Placement: Architectural</u>	Samuel Vardy	2	5

