

## Course Specification

<b>Published Date:</b>	15-Sep-2020
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<b>Status:</b>	Validated

## Core Information

<b>Awarding Body / Institution:</b>	University of Wolverhampton		
<b>School / Institute:</b>	School of Architecture and Built Environment		
<b>Course Code(s):</b>	AT014S01UV	Full-time	2 Years
	AT014S31UV	Part-time	4 Years
<b>UCAS Code:</b>	653K		
<b>Course Title:</b>	HND Architectural Design		
<b>Hierarchy of Awards:</b>	Higher National Diploma Architectural Technology awarded by the University of Wolverhampton Certificate of Higher Education Architectural Technology awarded by the University of Wolverhampton University Statement of Credit University Statement of Credit		
<b>Language of Study:</b>	English		
<b>Date of DAG approval:</b>	26/May/2017		
<b>Last Review:</b>	2015/6		
<b>Course Specification valid from:</b>	2012/3		
<b>Course Specification valid to:</b>	2021/2		

## Academic Staff

<b>Course Leader:</b>	Dr David Heesom
<b>Head of Department:</b>	Mr Colin Orr

# Course Information

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Location of Delivery:	University of Wolverhampton
Category of Partnership:	Not delivered in partnership
Teaching Institution:	University of Wolverhampton
Open / Closed Course:	This course is open to all suitably qualified candidates.

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## Entry Requirements:

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Entry requirements are subject to regular review. The entry requirements applicable to a particular academic year will be published on the University website (and externally as appropriate e.g. UCAS)

### 2017 Entry

- A minimum grade of C or EE from A-Levels or equivalent.
- Access to Higher Education Diploma requires candidates to accumulate 60 credits, at least 45 of which are at Level 3.
- BTEC QCF Extended Diploma PPP, BTEC QCF Diploma PP
- Applicants will normally be expected to hold GCSE English and Maths at grade C+/4 or equivalent
- If you've got other qualifications or relevant experience, please contact [The Gateway](#) for further advice before applying.
- International entry requirements and application guidance can be found [here](#)

### Other Requirements

Those meeting the entry requirements will be invited to attend an interview / portfolio review. More information on what we expect from a portfolio can be found at <http://www.wlv.ac.uk/about-us/our-schools-and-institutes/faculty-of-science-and-engineering/school-of-architecture-and-built-environment/portfolio-tips/>

Students must have studied a minimum of two years post GCSE level. However, it is expected that some applicants will be mature students with work experience, who wish to further their career development. These applicants will be processed through standard procedures, which may involve an interview as part of the process. Please see <http://wlv.ac.uk/mature> for further information.

Those who do not meet the standard entry requirements may be offered an alternative course.

## Distinctive Features of the Course:

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The construction and built environment industry is the UK's largest industry, employing circa 2.35 million people and accounting for typically 8% of UK GDP. This HND course is designed to provide you with sound technical understanding of a range of Architectural Design principles. You will gain knowledge of and apply design theories, develop practical skills and understand current legislation, which will allow to solve real world problems. Studying this course will equip you with a technical understanding of the fundamentals of construction technology, environmental and sustainable issues, modern methods of construction and construction project management. In addition to you will develop practical skills in implementing emerging design techniques such as Building Information Modelling (BIM) to support your projects. This highly vocational qualification will provide you with the knowledge required to take up a position in the construction industry and will also provide a progression route onto professionally accredited courses within the Department including the BSc (Hons) Architectural Design Technology and BSc (Hons) Interior Architecture and Property Development.

## Educational Aims of the Course:

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people and accounting for typically 8% of UK GDP. This HND course is designed to provide you with sound technical understanding of a range of Architectural Design principles. You will gain knowledge of and apply design theories, develop practical skills and understand current legislation, which will allow to solve real world problems.

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This highly vocational qualification will provide you with the knowledge required to take up a position in the construction industry and will also provide a progression route onto professionally accredited courses within the Department including the BSc (Hons) Architectural Design Technology and BSc (Hons) Interior Architecture and Property Development.

#### Intakes:

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September

#### Major Source of Funding:

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Office for Students (OFS)

#### Tuition Fees:

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Tuition fees are reviewed on an annual basis. The fees applicable to a particular academic year will be published on the University website.

Year	Status	Mode	Amount
2020/1	HEU	Full Time	£
2020/1	Overseas	Full Time	£
2020/1	Home / EU	Full Time	£
2020/1	Home / EU	Part Time / Full Time	£
2020/1	H	Part Time	£3050.00
2020/1	Overseas	Part Time	£6125.00

#### PSRB:

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None

#### Course Structure:

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### September (Full-time)

Part time students study alongside full time students. However, they do not study more than 80 credits in each academic calendar year.

#### Year 1

Module	Title	Credits	Period	Type
4AT003	Architectural Detailing-Services, Fittings and Furnishings	20	YEAR	Core
4AT005	Applied Design Studio	20	YEAR	Core
4AT002	Architectural Detailing (Technology)	20	SEM1	Core
4AT004	Design Studio (Art, Drawing, Process and Models)	20	SEM1	Core
4AT009	Professional and Environmental Studies	20	SEM2	Core
4AT019	Digital Design	20	SEM2	Core

## September (Full-time)

Part time students study alongside full time students. However, they do not study more than 80 credits in each academic calendar year.

### Year 2

Module	Title	Credits	Period	Type
5AT018	BIM Integrated Design	20	YEAR	Core
5AT019	Advanced Construction, Structure and Service	20	YEAR	Core
5CN018	Conservation and Preservation of Buildings	20	SEM1	Core
5AT013	Production Information and Specification	20	SEM1	Core
5AT002	Property Re-Use	20	SEM2	Core
5AT014	Built Environment Legislation	20	SEM2	Core

Please note: Optional modules might not run every year, the course team will decide on an annual basis which options will be running, based on student demand and academic factors, to create the best learning experience.

## Learning, Teaching and Assessment

### Academic Regulations Exemption:

None

### Reference Points:

- QAA subject benchmark - Architectural Technology (2007).
- Construction Industry Council – Higher Education Graduate Common Learning Outcomes (2008).
- Framework for Higher Education Qualifications (FHEQ) Qualification Descriptors and levels.

### Learning Outcomes:

HNC Course Learning Outcome 1 (HNCCL01)

Demonstrate knowledge of the underlying concepts and principles associated with your area(s) of study, and

an ability to evaluate and interpret these within the context of that area of study

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HNC Course Learning Outcome 2 (HNCCL02)

Demonstrate an ability to present, evaluate and interpret qualitative and quantitative data, in order to develop lines of argument and make sound judgements in accordance with basic theories and concepts of your subject(s) of study

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HNC Course Learning Outcome 3 (HNCCL03)

Evaluate the appropriateness of different approaches to solving problems related to your area(s) of study and/or work

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HNC Course Learning Outcome 4 (HNCCL04)

Communicate the results of your study/work accurately and reliably, and with structured and coherent arguments

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HNC Course Learning Outcome 5 (HNCCL05)

Demonstrate the qualities and transferable skills necessary for employment requiring the exercise of some personal responsibility

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HND Course Learning Outcome 1 (HNDCL01)

Demonstrate knowledge and critical understanding of Design Procedures, Technology, Procurement and Contracts and Professional Practice

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HND Course Learning Outcome 2 (HNDCL02)

Apply design concepts and understand the ways that needs analysis, marketing, aesthetics, development and preparation of a design brief/specification lead to an appropriate solution and drawing preparation

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HND Course Learning Outcome 3 (HNDCL03)

Critically evaluate novel problems, interpret and synthesise technological data and apply this knowledge in the development of creative, innovative and inclusive architectural solutions

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HND Course Learning Outcome 4 (HNDCL04)

Develop design schemes using appropriate methods and materials and effectively communicate design and technology information through a range of techniques including the use of ICT

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HND Course Learning Outcome 5 (HNDCL05)

Demonstrate an awareness of management of the design environment including project management, time / cost factors and ethical and legal responsibilities

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HND Course Learning Outcome 6 (HNDCL06)

Demonstrate a range of key skills required in practice namely communication, numeracy, IT, working with others, improving own learning and performance, and problem solving

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Overview of Assessment:

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Module	Title	Course Learning Outcomes
4AT002	Architectural Detailing (Technology)	HNCCL01, HNCCL02, HNCCL03, HNCCL04, HNCCL05
4AT003	Architectural Detailing-Services, Fittings and Furnishings	HNCCL01, HNCCL03, HNCCL04, HNCCL05
4AT004	Design Studio (Art, Drawing, Process and Models)	HNCCL01, HNCCL02, HNCCL03, HNCCL04, HNCCL05
4AT005	Applied Design Studio	HNCCL01, HNCCL02, HNCCL03, HNCCL04, HNCCL05
4AT009	Professional and Environmental Studies	HNCCL01, HNCCL02, HNCCL03, HNCCL04, HNCCL05
4AT019	Digital Design	HNCCL01, HNCCL03, HNCCL04, HNCCL05
5AT002	Property Re-Use	HNDCL01, HNDCL05
5AT013	Production Information and Specification	HNDCL01, HNDCL06
5AT014	Built Environment Legislation	HNDCL01, HNDCL05
5AT018	BIM Integrated Design	HNDCL01, HNDCL02, HNDCL03, HNDCL04
5AT019	Advanced Construction, Structure and Service	HNDCL01, HNDCL02
5CN018	Conservation and Preservation of Buildings	HNDCL01, HNDCL02, HNDCL03, HNDCL05

## Teaching, Learning and Assessment:

Ultimately the learning that you undertake throughout this course will lead you on the path to become a professional designer. The ability to create successful designs underpins all learning activities within the course. Throughout the modules you will develop a range of theoretical and practical skills that you will put into practice through completing various projects. Evaluation of previous designs is also one of the core competencies you will learn to develop and apply. Realisation of sound designs, based on past experiences and through a range of techniques, is vital to achieving success as a professional.

Solving real world problems will underpin all of your learning on this course. Having the ability to specifically identify the clients' needs and provide a design will ensure your solutions are fit for purpose. Inclusivity will also feature heavily in all of your learning to realise solutions that are fit for all aspects of society. The combination of the above will provide you with the skills required as you start your careers as a professional designer.

There is a range of specific learning activities that you will engage with during the course of your study. You will take part in lectures and seminars. Some of these will be more traditional whereas others will require you to undertake research before coming together to discuss design issues with a range of students and academic staff and put these into the wider global context including such topical problems as sustainability and inclusivity. You will have seminars from industry practitioners and have the opportunity to discuss your projects with them to gain real world insight into the problems you are trying to solve. You will work in a dedicated design studio to create physical models of your designs. Throughout the classes you will obtain skills required to create models using traditional manual techniques and you will also learn how to create models using the latest techniques such as rapid prototyping and 3D printing.

Based on problems that are provided, you will create your design drawings in the dedicated 'drawing office' using traditional drawing methods. You will develop your *digital literacy* through a range of skills and make use of web based information to inform design, for example deriving design standards from online BS documents, researching design concepts from the World Wide Web. Design schemes are produced using a range of tools and techniques from word processing, spreadsheet calculations to 3D computer modelling and using 2D graphics packages to create scheme presentation boards.

Teaching of design draws on international cultures and this is used to underpin module content. The ethics of design is a key element to all courses and this concept features heavily in modules, with students studying topics such as secure design and inclusivity. Your position as a *global citizen* will be developed through your learning as the department has a range of international collaborations that enables various cultures to be embedded into the teaching of design. Previously, students have underpinned their global design knowledge

with field trips abroad to analyse international architecture.

Working in multidisciplinary teams, you will mirror real world practice to develop sustainable and inclusive design schemes. Often working on design briefs specified by industry practitioners, you will work as if in the real world and develop skills required of them in the work environment. As *enterprising* designers you will develop solutions that seek out the most appropriate and cost effective solution for the client. Additionally, you will take part external design competitions where you can compete with other students from around the country.

### Assessment Methods:

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At the University of Wolverhampton, a variety of modes of assessment will be used to support and test your learning and progress and to help you develop capabilities that are valued beyond your University studies and into your working life. Your course may include a variety of assessment activities:

Written examinations (including online examinations, open and closed book examinations and quizzes)  
Coursework (for example, essays, reports, portfolios, project proposals and briefs, CVs, poster presentation)  
Practical (for example, oral and video presentations, laboratory work, performances, practical skills assessment)

In the final year of your undergraduate degree, and at the end of your postgraduate degree, you are likely to be expected to write an extended piece of work or research, such as a dissertation or a practice-based piece of research.

### Student Support:

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This course brings together a range of skills and subjects including design, new technology, sustainability and construction methods that can lead you into a professional design career within the construction industry.

The course is taught by staff with industry experience using a combination of methods that match professional practice including studio and drawing office sessions and using the latest Computer Aided Design (CAD) to develop your design work.

The course is developed with input from industry professionals to ensure that it is up to date and meets the needs of the industry.

### Employability in the Curriculum:

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Design technicians are employed by Architects, Contractors as well as commissioning client organisations such as commercial clients, local authorities, public bodies and government departments concerned with the Built Environment provision.

Successful completion of the HND in Architectural Design will also enable you to progress onto one of our accredited and recognised degree qualifications which will form the basis for excellent career prospects as an architectural technologist throughout the world. The architectural technologist works closely with architects and other building professionals in both the public and private sectors.