

School

Design Technology

Entry Requirements

For general minimum entry requirements please see list on page 32

Applicants also require a GCSE pass at grade C or above in Mathematics and English; in addition a pass at grade C or above in a Computing or Information Technology subject is preferred.

Additional requirements for this course are normally one of the following:

- i. A minimum of 120 points gained in a Vocational A level or Advanced GCE awards of no less than six units in size
- ii. A minimum of 120 points from two A2 levels
- iii. A BTEC National Diploma in a construction-related subject, with merits

PLUS Applicants may be invited for interview.

Other suitable experience or qualifications, for example for mature applicants, will be considered.

UCAS Code

GK41 BSc/ACT

Course Length

3 years full-time

No of Places

20

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Architectural Computer Aided Technology

BSc(Hons)
Giving you high level IT skills for architecture


Architecture

Introduction and Course Aims

Designed to reflect the needs of a modern architectural practice, the course is for anyone seeking to gain employment as an architectural technologist, proficient in the use of computer-aided technology. The course covers a wide range of subjects to do with the application of computers and IT in the building design and production process. Graduates will find these skills of practical value in the work place. The course aims to help you make an effective contribution to the creation and maintenance of the built environment. You will learn through a combination of lectures, tutorials and hands-on assignments in well-equipped CAD and IT studios. Progression will depend on the achievement of a satisfactory standard in both coursework and examinations taken.

The course is accredited by BIAT (British Institute of Architectural Technologists).

CAREER OPPORTUNITIES

Employment vacancies for architectural technicians or technologists almost always require computer aided architectural design literate personnel. This honours degree course will equip graduates with analytical design skills in addition to computer aided draughting skills. Graduates will appreciate the importance of computer aided architectural design/information technology as a design tool and not simply an electronic drawing board. The course should provide you with a distinct advantage over the basic CAD operator, enhancing your employment prospects.

COURSE STRUCTURE

Year 1

- Introduction to the Construction Industry
- Introductory Skills and Theory
- Environmental Design
- Construction and Structures
- CAD Systems and Draughting
- Major Assignment

Year 2

- Environmental Design 2
- Construction and Structures 2

- Legal and Contract Studies
- Cost and Specification Studies
- Computer Aided Design
- Major Assignment 2

Year 3

- Building Pathology
- Contract Management
- Management for Technologists
- Advanced CAD and Virtual Reality
- Major Assignment 3