

Faculty of Computing, Engineering and Technology



HND Computing HND Software Engineering

HND Business Information Technology HND Internet Technology

Higher National Diplomas have been offered alongside the degree programmes at Staffordshire University for over 30 years and have proved a viable alternative for students who prefer to study for a qualification over 2 years then look for employment, or continue to a full degree by attending the Bridging course offered by the University.

The courses have an initial period of study which is common to all programmes which gives the students a chance to change direction within the scheme if they find an alternative interest. Following this initial period, there is progressive specialisation, narrowing down to a particular award title.

Staffordshire University HND's are also offered at our partner colleges in the SURF group, and applicants are directed to entry S73 in the UCAS handbook for application information.

Colleges currently offering the HND courses (although perhaps not all titles in any one year) are:

Burton-on-Trent College
Cannock Chase Technical College
Stafford College
Stoke on Trent College
Shrewsbury College of Arts & Technology (S23)

HND Computing is also available at the Lichfield campus of the University and applicants for this course should enter SULC in section 3f of the UCAS application form.

Entry requirements are currently 100 points from at least 1 A level or equivalent. 20 points can come from Key Skills and/or an AS level. GCSE Maths at grade C or above, or its equivalent is also required. BTEC National Diploma students would require Pass,Pass,Pass.

HND Computing

The HND in Computing focuses on the knowledge and skills required for the development and support of computer-based information systems within a spectrum of application areas. The emphasis on this award is to provide as broad a range of computing experience as possible. This involves examining a wide variety of computing applications including how they are used and what specific technical requirements they demand.

The award is suitable for those students who wish to pursue careers as applications professionals, consultants or dealing with computer users. Specifically this award provides a sound basis for a career in software production, hardware maintenance and systems development.

Year One (Common to all HND's)

SEMESTER ONE	SEMESTER TWO
Computing and IT in Society	Computing and IT in the Workplace
Data Analysis	Analysis and Design for Database Systems
Introduction to Multimedia Computing and Internet Technology	Introduction to IT and Communications Technology (CISCO 1)
Programming Techniques 1	FREE OPTION

Year Two Computing

SEMESTER ONE	SEMESTER TWO
Programming Techniques 2	SPECIFIC OPTION *
PROJECT (Route Based)	
Database and Web Database Systems	SPECIFIC OPTION *
Operating Systems and Networks	FREE OPTION

* Modules can be chosen from the following list:

Introduction to Business Concepts; IT Systems for Business; Multimedia Applications; Web Applications; Introduction to C Programming; Further Programming Concepts in C++; LAN Switching & WAN Networks

HND Business Information Technology

The HND in BIT recognises the need for people and technology to work in harmony and exposes students to factors such as business and management practices and economic factors of systems design. The award aims to produce a diplomat who has the hybrid abilities to combine aspects of management and business with aspects of Information Technology. A significant proportion of the course, therefore, places an emphasis on aspects which are core to many organisations. The information technology content of this course provides fundamental knowledge of the relevant aspects of computing. On completion of this award, students should be able to apply their skills in an innovative way ensuring that appropriate technological solutions are identified and introduced effectively.

It is suitable for those students who intend to follow, for example a career path as Business IT Consultant and provides a good path into IT management.

Year One (Common to all HND's)

SEMESTER ONE	SEMESTER TWO
Computing and IT in Society	Computing and IT in the Workplace
Data Analysis	Analysis and Design for Database Systems
Introduction to Multimedia Computing and Internet Technology	Introduction to IT and Communications Technology (CISCO 1)
Programming Techniques 1	FREE OPTION

Year Two Business Information Technology (BIT)

SEMESTER ONE	SEMESTER TWO
Programming Techniques 2	Introduction to Business Procedures
PROJECT (Route Based)	
Database and Web database systems	IT Systems for Business
Operating Systems and Networks	FREE OPTION

HND Internet Technology

The HND Internet Technology award focuses on the software, design and hardware aspects of networking and also the design considerations which need to be made when developing multimedia interfaces. Included in the core is coverage of web programming as well as the operation and development of WANs and LANs. Students also have the opportunity to study multimedia and web applications.

It is particularly relevant for future careers in networking as a technician or web designer.

Year One (Common to all HND's)

SEMESTER ONE	SEMESTER TWO
Computing and IT in Society	Computing and IT in the Workplace
Data Analysis	Analysis and Design for Database Systems
Introduction to Multimedia Computing and Internet Technology	Introduction to IT and Communications Technology (CISCO 1)
Programming Techniques 1	FREE OPTION

Year Two Internet Technology

SEMESTER ONE	SEMESTER TWO
Programming Techniques 2	Multimedia Applications
PROJECT (Route Based)	
Database and Web Database Systems	Web Applications
Operating Systems and Networks	FREE OPTION

HND Software Engineering

HND Software Engineering focuses on the knowledge and skills required for the development of software, following rigorous quality control and project management principles, while providing a sound grounding in the fundamentals of computer systems. Current good practices for software development and maintenance are covered with an emphasis on the problems associated with large software systems.

The award is particularly suitable for those students who intend to follow career paths in software engineering, software quality and systems analysis. This may involve, for example, working for a software house or for a large company producing software systems.

Year One (Common to all HND's)

SEMESTER ONE	SEMESTER TWO
Computing and IT in Society	Computing and IT in the Workplace
Data Analysis	Analysis and Design for Database Systems
Introduction to Multimedia Computing and Internet Technology	Introduction to IT and Communications Technology (CISCO 1)
Programming Techniques 1	FREE OPTION

Year Two Software Engineering

SEMESTER ONE	SEMESTER TWO
Programming Techniques 2	Introduction to "C"
PROJECT (Route Based)	
Database and Web Database Systems	Further Programming Concepts in C++
Operating Systems and Networks	FREE OPTION