

**MSc Computing for Business
Postgraduate Diploma in Computing for Business
Postgraduate Certificate in Computing for Business**

**Stoke campus
Faculty of Computing, Engineering
and Technology**

Day/Time of Attendance

Part-time: one afternoon, two evenings. Normally Wednesday and Thursday. The course is also available via 'blended' learning. There will be considerable flexibility in order to improve access to both employed and unemployed students. Students must attend and pass the preliminary course which starts on Wednesday 1 September 2004.

Award Length

Up to 60 months.

Fees

£3,380 (Including the preliminary course, charged pro-rata depending on the number of modules studied).

Entrance Requirements

Normally a good honours degree is needed, with experience as a computing practitioner. Alternatively, the placement period permits the entrance of unemployed graduates with little or no knowledge of the IT industry.

Contact Details

Jonathan Westlake
Admissions Tutor
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Administrator
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How to Apply

Contact the Administrator

This course equips you to be a computing professional, proficient in computing, knowledgeable about user concepts and objectives, and familiar with the business and commercial framework in which you operate.

MSc Professional Computing

**THIS COURSE IS ONLY AVAILABLE THROUGH LEARNING TREE INTERNATIONAL
(see Entrance Requirements below)**

**Stafford campus
Faculty of Computing, Engineering
and Technology**

Day/Time of Attendance

Part-time Distance Learning only. One week at the University in January, May/June or September for both certificate and diploma level.

Award Length

Maximum five years.

Fees

Registration fee £30
The cost for the certificate and diploma stages are £750 each, plus £1,000 for the Masters stage giving a total of £2,500. This fee does not include transport or accommodation costs.

Entrance Requirements

A good first degree, plus relevant experience.

Contact Details

Maureen Hindhaugh
Administrator
t: 01785 353461
e: m.hindhaugh@staffs.ac.uk

How to Apply

Contact the Administrator.
This course is run in association with Learning Tree International - the UK's leading IT training company.

This award is unique and innovative in that it combines high level technical training through Learning Tree International with academic research and Masters level study through the University, whilst continuing with full-time employment in the computing industry.

MRes Computing Science

Stafford campus Faculty of Computing, Engineering and Technology

Day/Time of Attendance

Part-time route: Attendance required for Research Methods module (7, 8 and 13 September 2004) and by negotiation with route leaders thereafter.

Award Length

Full-time: one year
Part-time: two or three years (maximum five years)

Fees

£2,880 UK and EU students (Charged pro rata depending on modules taken) for part-time study.)
£7,500 International students

Entrance Requirements

A good single or joint honours degree in computing or information technology. Equivalent professional qualifications or experience may be considered in the absence of an honours degree.

Contact Details

Maureen Hindhaugh
Administrator
t: 01785 353461
e: enquiries@staffs.ac.uk

How to Apply

Contact the Administrator or on-line at www.staffs.ac.uk/postgradform

The normal route for research within the Faculty after a first degree in computing is the Masters in Computing Science by research in a specialist area which is a taught course.

The award can be used as the basis for entry to MPhil or PhD work, although it is also of value in entry to specialised work in industry.

As a guide, the specialist research routes currently offered are:

Graphics and Image Processing
Artificial Intelligence
Human Computer Interaction
IT for Strategic Management
Distributed Systems
Information Systems with Semiotics
Technology for Learning (particularly suitable for IT teachers/lecturers)

If your research interest is in another area of Computing, please contact the Administrator to discuss this.

MA/MSc E-Business

Stafford campus (for the core modules and computing and engineering modules)

Stoke campus (for design, law and business modules)

Day/Time of Attendance

Part-time: one evening per week for the core modules (classes start Tuesday 28 September). Thereafter attendance depends on modules chosen. The learning contract will be discussed during a weekend workshop arranged for 10 - 12 September 2004.

Award Length

Full-time: one year
Part-time: five years maximum

Fees

£2,880 charged pro-rata (depending on the number of modules studied with a minimum of 30 credits in any one year for part-time study.)

Entrance Requirements

Normally a good honours degree is needed, or the equivalent professional qualifications. Experience in E-Business will be considered in the absence of the qualifications.

Contact Details

Maureen Hindhaugh
Administrator
t: 01785 353461
e: enquiries@staffs.ac.uk

How to Apply

Contact the Administrator or on-line at www.staffs.ac.uk/postgradform

You will probably have a background in one of the contributory disciplines of business, art and design, computing, engineering and advanced technology or law.

You have opportunities to introduce significant specialisation into your degree, or to create your own particular mix of modules to suit your interests and the needs of your employment.

MSc Information Technology

Stafford campus Faculty of Computing, Engineering and Technology

Day/Time of Attendance

Part-time: Students must attend and pass the three week preliminary course which starts on 6 September 2004. Attendance thereafter will be all day Tuesday (from 28 September 2004) studying two modules per semester.

Award Length

Full-time: one year
Part-time: five years maximum

Fees

Preliminary course - £500
Full course - £2,880
(Charged pro-rata depending on modules taken for part-time study).

Entrance Requirements

A minimum 2:2 honours degree in any discipline other than computing. The course is aimed at graduates with little or no knowledge of computing or information technology but with appropriate aptitude and potential.

Contact Details

Maureen Hindhaugh
Senior Recruitment
Administrator
t: 01785 353461
e: enquiries@staffs.ac.uk

How to Apply

Contact the Admissions Administrator or on-line at www.staffs.ac.uk/postgradform

This course is also available at our partner institutions in Malaysia and Hong Kong

The programme aims to produce professionals who are proficient in technology and knowledgeable about user concepts and objectives.

There is a preliminary period of study that rapidly gives you the abilities to cope with the rest of the course, involving programming and basic understanding of computer systems.

It is possible to study certain modules by Distance Learning please contact the administrator for details.

THE FOLLOWING AWARDS ARE CURRENTLY RUN AT OUR PARTNER INSTITUTIONS OVERSEAS (NOT UK)

MSc Information Technology Management – Overseas

Faculty of Computing, Engineering and Technology

Before applying please contact:

Maureen Hindhaugh, Administrator
t: 01785 353461
e: enquiries@staffs.ac.uk

The overall aim is to develop a postgraduate programme for graduates already employed in industry or commerce. The award is about providing you with the knowledge and understanding of how information technology management can be developed and implemented in effective and efficient ways and of the various functions which underpin the processes involved.

MSc Software Engineering – Overseas

Faculty of Computing, Engineering and Technology

Before applying please contact:

Maureen Hindhaugh, Administrator
t: 01785 353461
e: enquiries@staffs.ac.uk

This programme is designed to serve the needs of industry and of practising software engineers within industry who have no formal qualifications in the subject of software engineering.

By promoting your knowledge and understanding of the principles in the nominated areas of software engineering, the programme seeks to overcome major concerns identified by prominent computing professionals.

MSc Technology Management – Overseas

Faculty of Computing, Engineering and Technology

Before applying please contact:

Maureen Hindhaugh, Administrator
t: 01785 353461
e: enquiries@staffs.ac.uk

The programme focuses on management and technology and the relationship between the two. It demonstrates how the application of computer related technology is an integral part of an efficient business environment.

MSc Multimedia Applications Management – Overseas

Faculty of Computing, Engineering and Technology

Before applying please contact:

Maureen Hindhaugh, Administrator
t: 01785 353461
e: enquiries@staffs.ac.uk

The programme will develop your knowledge and understanding of, and skills in, the techniques used in the design and implementation of quality interactive multimedia systems. It will promote initiative and independence of thought in multimedia project planning, design and management.

MSc Computing

Stafford campus Faculty of Computing, Engineering and Technology

Day/Time of Attendance

Full-time

Award Length

12 months or 24 months with an industrial placement.

Fees

£3,380 UK and EU students
£7,975 International students

Entrance Requirements

A 2:2 honours degree or equivalent in a non-computing discipline.

Contact Details

Maureen Hindhaugh
Administrator
t: 01785 353461
e: m.hindhaugh@staffs.ac.uk

How to Apply

Contact the Administrator or you can apply on-line at www.staffs.ac.uk/postgradform

The first study period provides an introduction to practical programming. You will then study four core modules: Computing Systems Architecture, Principles of Software Engineering, Systems Analysis and Design, and Internet Applications. Options are available during the second study period. The course provides students the opportunity to undertake an industrial placement period of not less than one year if required.

It is possible to study certain modules by Distance Learning please contact the administrator for details.

MSc Computer Science

Stafford campus Faculty of Computing, Engineering and Technology

Day/Time of Attendance

Full-time

Award Length

12 months or 24 months with an industrial placement.

Fees

£2,880 UK and EU students
£7,500 International students

Entrance Requirements

Minimum of a 2:2 honours degree or equivalent in a computing discipline.

Contact Details

Maureen Hindhaugh
Administrator
t: 01785 353461
e: enquiries@staffs.ac.uk

How to Apply

Contact the Administrator or on-line at www.staffs.ac.uk/postgradform

This award addresses the significant market demand for postgraduates with information technology skills appropriate for modern business and industry.

It is possible to study certain modules by Distance Learning please contact the administrator for details.

MSc Computer Games Software Design

Stafford campus
Faculty of Computing, Engineering and Technology

Day/Time of Attendance

Full-time

Award Length

12 months or 24 months with an industrial placement.

Fees

£2,880 for UK or EU students
 £7,500 for International students

Entrance Requirements

Minimum 2:2 honours degree or equivalent in a computing discipline.

Contact Details

Maureen Hindhaugh
 Administrator
 t: 01785 353461
 e: enquiries@staffs.ac.uk

How to Apply

Contact the Admissions Administrator or on-line at www.staffs.ac.uk/postgradform

The aim of this course is to provide a thorough knowledge of state-of-the-art games technology, and to enable students to plan and create games. Heavy emphasis is placed on theory and the ability to develop sound games artefacts and applications. The course will focus on both design and development of applications for various platforms.

On completion of the award you may seek employment as a games designer, games analyst, media specialist, or interaction programming specialist.

MSc Mobile Computing

Stafford campus
Faculty of Computing, Engineering and Technology

Day/Time of Attendance

Full-time

Award Length

12 months or 24 months with an industrial placement.

Fees

£3,380 for UK or EU students
 £7,975 for International students

Entrance Requirements

A minimum 2:2 honours degree in any discipline other than computing, or equivalent qualification.

Contact Details

Maureen Hindhaugh
 Administrator
 t: 01785 353461
 e: enquiries@staffs.ac.uk

How to Apply

Contact the Admissions Administrator or on-line at www.staffs.ac.uk/postgradform

The aim of this conversion course is to provide knowledge and understanding of current concepts and practices in cellular, ad-hoc and personal mobile computing systems and associated subject areas. These include the different types of mobile wireless network architecture infrastructure, for example, how a user obtains connectivity; knowledge of the standards and protocols, etc.

On completion of the award you may seek employment as a strategist for migrating businesses to the mobile domain, mobile interface designer, mobile systems analyst, or developer of mobile applications

MSc E-commerce

Stafford campus
Faculty of Computing, Engineering
and Technology

Day/Time of Attendance

Full-time

Award Length

12 months or 24 months with an industrial placement.

Fees

£3380 UK and EU students
£7,975 International students

Entrance Requirements

Minimum of a 2:2 honours degree or equivalent in a non-computing discipline.

Contact Details

Maureen Hindhaugh
Administrator
t: 01785 353461
e: enquiries@staffs.ac.uk

How to Apply

Contact the Administrator or on-line at
www.staffs.ac.uk/postgradform

This course is designed to broaden your understanding and knowledge of electronic commerce for which it can be applied to state-of-the-art technologies within industry or commerce.

It is possible to study certain modules by Distance Learning please contact the administrator for details.

MSc Mobile Computer Systems

Stafford campus
Faculty of Computing, Engineering
and Technology

Day/time of Attendance

Full-time

Award Length

12 months or 24 months with an industrial placement.

Fees

£2,880 for UK or EU students
£7,500 for International students

Entrance Requirements

Minimum 2:2 honours degree or equivalent in a computing discipline.

Contact Details

Maureen Hindhaugh
Administrator
t: 01785 353461
e: enquiries@staffs.ac.uk

How to Apply

Contact the Administrator or on-line at
www.staffs.ac.uk/postgradform

This course aims to provide a thorough and deep knowledge of state-of-the-art mobile technology and how it can be deployed to computing and business applications. As a student you will be given the opportunity to examine practices in mobile computing systems and associated subject areas.

On completion of the award you may seek employment as a mobile hardware specialist, in communications, application design and development, or as a strategist for migrating businesses to the mobile domain.

It is possible to study certain modules by Distance Learning please contact the administrator for details.

MSc Forensic Computing*
*subject to validation

Stafford campus
Faculty of Computing, Engineering and Technology

Day/Time of Attendance

Full-time

Award Length

12 months or 24 months with an industrial placement.

Fees

£2,880 for UK and EU students
£7,500 for International students

Entrance Requirements

Minimum 2:2 honours degree in computing or science (with a strong computing background).

Contact Details

Maureen Hindhaugh
Administrator
t: 01785 353461
e: enquiries@staffs.ac.uk

How to Apply

Contact the Administrator or on-line a www.staffs.ac.uk/postgradform

This course is designed for those who wish to study and specialise in protecting systems from criminal misuse, such as fraud, blackmail, information theft or paedophilia.

The award focuses on many computing and crime related areas and as a student you will principally focus on three main study areas: forensic science, computing and mathematics, all of which are required to create an expert in the field.

On completion of the course you may seek employment as a computing expert who analyses computer systems to expose criminal activity, or become a specialist consultant who advises on protecting computer systems from criminal activity. The award will also be of benefit to those within the forensic science field.

MSc Advanced Technology
Postgraduate Diploma in Advanced Technology
Postgraduate Certificate in Advanced Technology

Stafford campus
Faculty of Computing, Engineering and Technology

Day/Time of Attendance

Full or part-time with a minimum of five visits throughout the duration of the course.

Award Length

One year full-time; up to two years part-time.

Fees

£16 per credit

Entrance Requirements

A first or second class honours degree, in a related technology or engineering discipline any other equivalent qualification or a relevant professional qualification. Candidates without a degree but with relevant experience may be admitted after an interview.

Contact Details

Dr Torfeh Sadat Shafai
MSc Award Programme Manager
t: 01785 353240
e: t.sadat-shafai@staffs.ac.uk
or
Ann Grainger
Administrator
t: 01785 353370
e: admit@staffs.ac.uk

How to Apply

www.staffs.ac.uk/postgradform

This set of courses provides an opportunity for you to earn a Masters degree in your workplace or full-time at University. The course content is tailor-made through negotiation with the University within one of the following areas:

PgC/PgD/MSc Advanced Technology in:

- Electrical Engineering
- Electronic Engineering
- Mechanical Engineering
- Energy Technology
- Design Technology
- Technology Management
- Digital Media Technology
- Sports Technology

The PgC/PgD/MSc Advanced Technology award may be chosen if your area of interest is not included in the titled options.

The course consists of four modules: Project Management and Research Methods, Advanced Technology, Specialist Technology and a thesis. All assessments are based on assignments, reports and seminars. The work set for each of these modules will depend on the format (full or part-time) and the subject areas chosen for your project work.

MSc Electronic Engineering Postgraduate Diploma in Electronic Engineering Postgraduate Certificate in Electronic Engineering

Stafford campus
Faculty of Computing, Engineering
and Technology

Day/Time of Attendance

Full-time

Award Length

One year full-time.

Fees

£16 per credit

Entrance Requirements

An first or second class honours degree, any other equivalent qualification or a relevant professional qualification. Candidates without a degree but with relevant experience may be admitted after an interview.

Contact Details

Dr Ian Taylor
MSc Award Programme
Manager
t: 01785 353325
e: i.taylor@staffs.ac.uk
or
Ann Grainger
Administrator
t: 01785 353370
e: admit@staffs.ac.uk

How to Apply

www.staffs.ac.uk/postgradform

New technological advances, coupled with powerful, CAD and synthesis tools have changed the way in which electronic, instrumentation and telecommunications systems are designed and implemented. Today most signal processing functions are carried out using digital techniques and digital systems are realised using VHDL, ASIC and FPGA devices. This course addresses these areas in the form of a taught programme of eight modules followed by individual project work.

Modules include:

- VLSI Design
- Digital Electronics Systems
- Digital Signal Processing
- Analogue System Design
- Telecommunications
- Management of Research
- General Advanced Engineering topics

Postgraduate Certificate in Education (PGCE) Design and Technology

Stafford campus
Faculty of Computing, Engineering
and Technology

Day/Time Attendance

You would be required to attend your placement school or at the University's Stoke and Stafford campus.

You will be based in schools throughout the course.

Award Length

One year full-time.

Fees

The fees are paid by the local authority.

Entrance Requirements

A minimum of 2:2 honours degree in a subject with content that is largely design and technology based. You must also have GCSE or equivalent in English and Mathematics.

Contact Details

Clyde Redfern
Course Director
t: 01785 353830
e: c.k.redfern@staffs.ac.uk.

How to Apply

Please apply through the GTTR - www.gttr.ac.uk

The aim of the course is to develop associate teachers professional competencies in the design and delivery of programmes of design and technology in secondary education, and to provide an opportunity to develop the wider professional knowledge, skills and attitudes expected of a qualified teacher.

By the end of the course associate teachers should be able to:

- critically evaluate the place of design and technology in the secondary school curriculum
- design and implement design and technology components in the school curriculum, suitable for a range of ability levels among 11-18 years old students
- evaluate and develop teaching and learning resources, methods and assessment procedures
- demonstrate an ability to extend their knowledge and understanding into new areas of design and technology, and to adapt such knowledge to meet the requirements of the classroom.

Through the TTA the government will pay a £6,000 training bursary and then a £4,000 'Golden Hello' on completion of the first year of teaching. You would also be eligible for your student loan to be paid off in 10% increments in the first 10 years of teaching.