

# BSc (Hons) in Computer Systems Engineering



## INTRODUCTION

The Bachelor of Science (with honours) is an industry standard recognised qualification that is awarded from The University of Sunderland. The course is recommended to individuals who would like to gain a full degree qualification specialising in software development.

## WHAT WILL I DO?

This very popular course has been redesigned, and covers a broad spectrum of subjects.

### Year 1:

- Fundamentals of databases
- Introductory Software Engineering
- IT & People
- Systems Development
- Introduction to Web Authoring
- Computer Architectures

### Year 2:

- Database Systems Development
- Systems Analysis and Design
- Object Development
- Intermediate Software Engineering
- IT Environments (Networking)
- Intermediate Web Techniques

### Year 3:

- Double Project (Dissertation)
- IS Project Management
- Advanced Software Engineering
- Advanced Object Orientated Development
- Internet Software Architectures

The course is designed to provide students with theory sessions which are then reinforced by practical tasks to complete. Teaching is delivered by Boston College staff, but your qualification is awarded by the University of Sunderland. Assessment is on a continual basis and through both written assignments and formal examinations. Assessment is delivered in accordance with the University of Sunderland regulations, and is exactly the same as if you studied in Sunderland. A full detailed outline of the indicative content contained in this course is available from the Higher Education Co-ordinator for Computing upon request.

## EQUIPMENT AND RESOURCES

Higher Education students spend the majority of their study time in the new Goodliffe Centre building. All equipment needed for the course is available whilst in lessons at Boston College. The Learning Resource Centres are open throughout the week, and have access to all necessary course texts and basic computer facilities. Free internet access, email and printing are provided to you whilst studying at Boston College.

## HOW LONG WILL IT TAKE

The course is studied full-time for 3 years for the award of BSc(Hons) in Computer Systems Engineering. The BSc is usually timetabled for 3 days per week, with additional study required at home.

Students that experience difficulties on the course do have options to leave with a University qualification at the end of years 1 and 2.

## ENTRY QUALIFICATIONS

Students traditionally require 200 UCAS points, along with a grade 'C' at GCSE in Maths and English, or Level 2 Key Skills in Communications and Application of Number.

Mature students without any formal qualifications are advised to study the Access to Higher Education course first for 1 year. Factors such as work experience or vocational training will be taken into account when considering an entry application. International Students would require an IELTS score of 6.0, along with appropriate qualifications equivalent to level 3 English qualifications.

This course does specialise in the analysis, design and development of computer software which is one of the hardest, but most rewarding areas of the Computing industry. Therefore, all students should be able to demonstrate a good level of problem solving, as well as a commitment to continual development of all aspects of study including formal report writing, presentation skills, and research skills. Students on degree courses are expected to spend some of their own time undertaking directed research.

## WHERE COULD IT LEAD

BSc students are highly sought after in the computing field as academically trained students. Typically, students in this area gain employment as computer technicians, database designers, programmers, teachers, network engineers or web site designers, with the kudos of having attained a degree. The BSc in Computer Systems Engineering uses industry standard technologies, methodologies and software to ensure that students are equipped for careers in this rewarding industry.

## FEES

Tuition fees for Higher Education courses are "means-tested" by your local education authority (LEA). Your LEA will notify you on application how much you will have to pay towards your fees. You may apply to the LEA or Student Loans company for assistance if you cannot afford the tuition fees, the website is [www.direct.gov.uk/studentfinance](http://www.direct.gov.uk/studentfinance). This website also gives information on what you are eligible for in regards to loans, grants and bursaries etc. If you have difficulties completing the online application there is a Student Helpline: 0845 300 5090

The Fees are **£3290** for the 2010/11 academic year:

### In Year 1

Students with a household income below £39,305 are entitled to a means tested bursary of £525 (All off-campus students are also entitled to a bursary of £525)

### In Year 2

Students will be entitled to a progression bursary of £525

Plus

Students with a household income below £39,305 are entitled to a means tested bursary of £525 (All off-campus students are also entitled to a bursary of £525)

### In Year 3

For students with a household income below £39,305 there will be the following:

£315 progression scholarship

£525 means tested bursary

£125 success scholarship upon graduation

International and EU Students, please contact the International Office on +44 (0)1205 313212 or [enquiry@boston.ac.uk](mailto:enquiry@boston.ac.uk) for details on Fees.

## ADDITIONAL INFORMATION

Where courses last for more than one year, only the first year's fees are shown.

## **HOW TO APPLY**

You can apply for this course by applying [online](#), by filling out an application form from the College prospectus or by contacting the Information Officer on 01205 313218 for further information. The Information on this Course Information Sheet is correct at time of print, but can be subject to change at anytime.

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