

Intercalated Year in Computer Science, ICY-CS



I would highly recommend the intercalated year to anyone who has an interest in computing... Signing up was undoubtedly the best decision I have made!

Matt Roberts, ICY student

Computer Science is now a major factor in many businesses, professions and academic disciplines, as well as in everyday life. From practical ICT (Information and Communication Technology) to profound principles of computation, a solid grounding in Computer Science can be an important factor in making the most of your career potential.

To respond to the demand from students, employers and the government for more education in ICT, the School of Computer Science at the University of Birmingham has started an innovative new programme. Termed the 'Intercalated Year in Computer Science' (or ICY-CS), it offers students from non-computing disciplines the chance to gain in-depth knowledge of computing and enhance their work-based skills through the study of Computer Science.

Programme overview

In a degree with an Intercalated Year in Computer Science, the additional year is 'sandwiched' between the penultimate and final year of your original honours degree – ie. between years two and three of a three year degree, or between years three and four of a four year degree. In the additional year you will study the core of computer science, and in your final year you will return to your home subject.

You can apply for the ICY-CS during your penultimate year of study and will be admitted if you fulfil all of the necessary entry requirements (for details, see reverse).

Once admitted on the course, you will follow modules offered by the School of Computer Science and, for that year, all tutoring and monitoring requirements will become the sole responsibility of the School of Computer Science.



In the first semester, you will study:

- ❑ Computer programming (in Java):
The teaching for this element is mainly practical – there are lectures and tutorials, however you should be prepared to spend a significant amount of time in the computer labs
- ❑ The fundamentals of Computer Science:
This covers some basic theory as well as practical aspects of how software is specified, designed and constructed
- ❑ Two options from the School of Computer Science second year modules: You will be advised as to which to choose, depending on your main degree

In the second semester, you will continue to study:

- ❑ Computer programming (in Java):
By now you will be able to write some more interesting computer programmes, perhaps starting to interact with databases via web pages
- ❑ The fundamentals of Computer Science:
A deeper introduction to the mysteries of data structures and algorithms is accompanied by an introduction to designing and using databases

You will also study:

- ❑ Two options from the School of Computer Science second and third year modules: Again, you will be guided as to which to choose, depending on your main degree

What are the entry requirements?

The Intercalated Year in Computer Science is available to all current students who:

- ❑ are in their penultimate year of study – ie. in their second year of a three year degree, or their third year of a four year degree
- ❑ are studying any subject other than Computer Science
- ❑ achieve a point average of at least 55% in their first and second year of study
- ❑ successfully demonstrate their ability and enthusiasm for the course at interview

Please note that admission onto the ICY-CS cannot therefore be confirmed until the results of your second year examinations are released.

What do I get at the end of it?

Successful students will graduate with a degree in their home subject, with the addition of the words 'with an Intercalated Year in Computer Science'. A full transcript of your marks on the intercalated year will also be available to you, and can be supplied to potential employers.

The intercalated year is assessed on a pass/fail basis. Credits gained during the year will not contribute to the credits required for your main degree, nor will marks contribute towards your degree classification in the main subject. In this respect, the ICY-CS is similar to a 'year abroad', or a 'certificate in industrial studies'.

What does it cost?

In terms of cost, the Intercalated Year in Computer Science should be viewed simply as an additional year of study – making a three-year degree into a four-year degree, for example.

If you pay your own tuition fees, then you will have to pay for an extra year. For those eligible, student loans should be available for all four years, however you should check with your LA that they will continue to give you financial support on the new programme.

How do I apply?

To apply for the Intercalated Year in Computer Science you should complete the ICY-CS application form (attached) and return it to the School of Computer Science Admissions Office. Once processed, suitable applicants will be invited to attend an interview with the ICY-CS Admissions Tutor and will be given further instruction from then on.

The School also runs an ICY-CS 'Information Day' in the Spring Term of each year. If you are interested in attending, please contact the School of Computer Science Admissions Office for further details.

School of Computer Science
Admissions and Marketing Office
Tel: +44 (0) 121 415 8742
Email: UG-Admissions@cs.bham.ac.uk

Application for the Intercalated Year in Computer Science (ICY-CS)

For current Undergraduate Students

The Intercalated Year in Computer Science is available to all current students who:

- are currently in their penultimate year of study – ie. in their second year of a three year degree, or their third year of a four year degree
- are studying any subject other than Computer Science
- achieve a point average of at least 55% in their first and second year of study
- successfully demonstrate their ability and enthusiasm for the course at interview

Once admitted onto this course, all tutoring and monitoring for the subsequent academic year are the sole responsibility of the School

of Computer Science. Similar to a 'year abroad' or 'certificate in industrial studies', the outcome of the ICY-CS will have no impact upon your degree classification awarded. Successful completion of the ICY-CS will however result in the creation of a new degree programme title; which will be the original degree title extended with the words 'with an intercalated year in Computer Science'.

As an applicant for this course, you must demonstrate that you meet the academic criteria and requirements for the ICY-CS Programme, and your application must be approved and signed by appropriate

representatives from both the School of Computer Science and your home School/Department.

If your application is approved, your Local Authority will automatically be notified of the change. You should however check with the LA that they will continue to give you financial support on the new programme.

If your application is approved you will be able to see the update on the student portal at www.my.bham.ac.uk under My Programme, Registration.

Section A – To be completed by the applicant and returned to the Admissions Office at the School of Computer Science.

Student Information

Name	<input type="text"/>	Current Programme	<input type="text"/>
ID number	<input type="text"/>	Home School/Department	<input type="text"/>
Email address	<input type="text"/>	Year One grade average (%)	<input type="text"/>
Programme Director name	<input type="text"/>	Programme Director email	<input type="text"/>

A' Level subjects and grades achieved

<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

I attended the ICY-CS information day (please tick appropriate)

Yes

No

Applicant Signature

Date

Section B – To be completed by the School of Computer Science Admissions Office

Stage 1: Interview

Interviewer name Interview time

Interview date Interview location

Outcome (please tick appropriate) Successful Unsuccessful

Interviewer comments

Interviewer signature

Date

Stage 2: Examination success

Year Two grade average (%) Admissions staff name

Admissions staff signature

Date

Section C – To be completed by a suitable representative of the Home School/Department

I hereby authorise the one-year transfer of the above student onto the Intercolated Year in Computer Science and understand that they will return to the 'home' school upon completion of this programme.

Name

Position

Signature

Date

UNIVERSITY OF BIRMINGHAM

Edgbaston, Birmingham,
B15 2TT, United Kingdom

www.bham.ac.uk