University of Hertfordshire

School of Computer Science

Masters in Computer Science (Blended)

new from September 2007

Selected awards from our long established and highly successful master's programme in Computer Science are now available online through part-time or full-time study.

Our range of advanced courses are designed for Computer Science graduates seeking professional development in a specialist area to enhance their career prospects or as a sound preparation for research.

Our flexible, generalist course is particularly suitable for graduates of other subjects wishing to change career direction by moving into IT or to apply advanced computing techniques to their existing discipline.

When you successfully complete the programme you will be awarded a **Master of Science (MSc)** from the University of Hertfordshire.

The School of Computer Science was one of the first to offer a masters in Computer Science and has built up a reputation as a leader in the field within the UK and internationally. We have many years experience of online and distance learning and have invested heavily in adapting and updating our programmes.

e-Learning at UH

With online learning, you study at your own choice of time and place, saving on travel and accommodation costs and fitting in with your other commitments.

Our programmes begin on specific dates, you study as a small group and there are deadlines for coursework assignments. This way you combine the flexibility of distance learning with the self-discipline and community spirit of conventional tuition.

Our students come from all over the world so you will have a great opportunity for global networking.

With online study at UH, you use our state-of-the-art Virtual Learning Environment, StudyNet:

- to access course information and resources,
- to communicate with others, and
- to transmit completed assignments for marking.

We take advantage of online technologies to provide faster, more effective communication and to deliver much richer learning material than is otherwise possible.

Wherever you are in the world, if you have access to a suitable PC and Internet connection, you can study for a masters degree from the University of Hertfordshire.

Also Consider

We also offer the following online programmes:

- Postgraduate Certificate and Diploma
- final year BSc (Hons) Computer Science and BSc (Hons) Information Systems
- individual modules from all the programmes

The Programme

Courses for Graduates in Computer Science

- MSc Distributed Data Management *
- MSc Distributed Systems and Networks
- MSc Human Computer Interaction
- MSc Mobile Computing *
- MSc Multimedia Technology
- MSc Software Engineering *

On our specialist courses, you study 60 credits worth of advanced, taught core modules defined for your award, 60 credits worth of optional modules, and a 60 credit project in your specialist subject.

- MSc Computer Science

On our generalist course for Computer Science graduates, you study 120 credits worth of advanced, taught modules selected from all those offered, and a 60 credit project in computer science.

Courses for Graduates in any Subject

- MSc Computer Science

On our generalist course, if your degree is not in Computer Science, typically you study 60 credits worth of foundation modules, 60 credits worth of optional, advanced modules and a 60 credit project in computer science.

Entry Requirements

1. A good† bachelor's degree or equivalent in Computer Science or closely-related subject. With this qualification you may register for any of the awards in the programme – OR
1. A good† bachelor's degree or equivalent in any subject combined with an appropriate level of computer literacy. With this qualification you may register for the MSc Computer Science award.
2. Those whose first language is not English must demonstrate sufficient competence in English.
3. You will need to provide two academic references or one academic plus a current work reference.

* available for full-time study from September 2008; see "Transition Arrangements

† "good" means typically at least a British 2:2 honours degree or score of 65% – or an equivalent qualification or experience.

Study Pattern & Programme Structure

The programme starts twice per year, normally in September and February. The usual duration is one year (12 months) full-time or two to three years part-time.

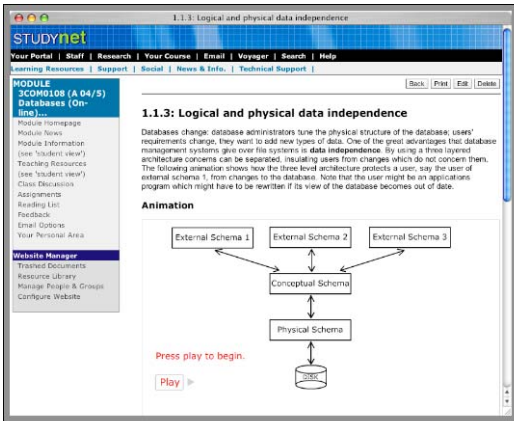
Depending on your award, you study a combination of single (15 credit) and double (30 credit) taught modules to a total of 120 credits, plus a 60 credit project.

Each of the taught modules takes 16 weeks to complete (1 semester) followed by a 1 week gap. For each 15-credit module you should plan for up to about 10 hours of study per week, for a 30-credit module 20 hours*.

The course is assessed entirely by coursework submitted on-line, with no written examinations†.

* In practice the amount of time you spend will depend on your background and experience.

† To maintain our standards and the value of your degree you may be required to defend your work through an oral examination or other means.



Typical Study Pattern Full-time over 1 year

Computer Science Graduates

Year/Semester

1	1		- 60 credits/ semester core or options
	2		
	3	60	- 60 credit project

Other Graduates

Year/Semester

1	1	15 15 15 15	- 15cr foundations
	2		- 60 credits of options
	3	60	- 60 credit project

Typical Study Pattern Part-time over 2 or 3 years

Computer Science Graduates

Year/Semester

1	1		30 credits/ semester core or options	
	2			
	3			
2	1			
	2	60		
	3		60 credit project	60
3	1			
	2			

Other Graduates

Year/Semester

1	1	15 15	15 credit foundations	15 15
	2	15 15		15 15
	3			
2	1		30 cr/ semester options	
	2	60		
	3			
3	1		60 credit project	60
	2			

key: 1x30 or 2x15 credit modules

Key Features & Benefits

- *range of advanced courses plus routes into computer science for graduates of other subjects*
- *flexible entry requirements*
- *gain a post-graduate qualification from the University of Hertfordshire through online study with the same academic quality standards as the on-campus award*
- *study full-time or part-time when and where you can, with no need for travel or accommodation*

Transition Arrangements 2007-08

This programme is due to start in September 2007.

Starting from September 2007, all the courses will be available for part-time study, and the following courses for full-time study

- MSc Computer Science
  (for Computer Science graduates only)
- MSc Distributed Systems and Networks
- MSc Human Computer Interaction
- MSc Multimedia Technology

In the first year of running there will be a restricted choice of modules and study patterns.

The full range of modules and study patterns will be available for the September 2008 intake onwards.

For module details refer to the "Programme Overview Table" and, for the course schedule, see the website.

Programme Overview Table
Masters Programme in Computer Science
from September 2007 and September 2008

				Computer Science Graduates							Others
				Specialist Awards						Generalist Award	Generalist Award
				DDM	DSN	HCI	MC	MT	SE	CS	CS
Taught Modules	**Level**	**Credits**	**Available for courses starting**	**Distributed Data Manage-ment**	**Distributed Systems and Networks**	**Human Computer Interaction**	**Mobile Computing**	**Multimedia Technology**	**Software Engineering**	**Computer Science**	**Computer Science**
			full-time	Sep-08	**Sep-07**	**Sep-07**	Sep-08	**Sep-07**	Sep-08	**Sep-07**	Sep-08
Computer Science Specialist Modules (double)											
Advanced Database	M	30	Sep-08	**core**	**O**	**O**	**O**	**O**	**O**	**O**	**O**
Distributed Systems Security	M	30	**Sep-07**	**S**	**core**	**O**	**O**	**O**	**O**	**O**	**O**
Measures and Models for Software Engineering	M	30	Sep-08	**O**	**O**	**O**	**O**	**O**	**core**	**O**	**O**
Multimedia Specification, Design and Production	M	30	**Sep-07**	**O**	**O**	**core**	**O**	**core**	**S**	**O**	**O**
Software Engineering Practice and Experience	M	30	Sep-08	**O**	**O**	**O**	**S**	**S**	**core**	**O**	**O**
Web Services	M	30	Sep-08	**core**	**S**	**O**	**S**	**O**	**O**	**O**	**O**
Computer Science Specialist Modules (single)											
Human Computer Interaction: Selecting Usable Systems	M	15	**Sep-07**	**O**	**O**	**core**	**O**	**O**	**S**	**O**	**O**
Human Computer Interaction: Developing Usable Systems	M	15	**Sep-07**	**O**	**O**	**core**	**O**	**O**	**S**	**O**	**O**
Mobile Standards, Interfaces and Applications	M	15	Sep-08	**O**	**S**	**O**	**core**	**S**	**S**	**O**	**O**
Multicast and Multimedia Networking	M	15	**Sep-07**	**S**	**core**	**O**	**core**	**core**	**O**	**O**	**O**
Secure Systems Programming	M	15	Sep-08	**O**	**S**	**O**	**core**	**O**	**S**	**O**	**O**
Wireless, Mobile and Ad-hoc Networking	M	15	**Sep-07**	**S**	**core**	**O**	**core**	**core**	**O**	**O**	**O**
Computer Science Foundation Modules (single)											
Professional Issues	M	15	**Sep-07**	x	x	x	x	x	x	x	**Fcore**
Software Development Tools and Methods	M	15	Sep-08	x	x	x	x	x	x	x	**Fcore**
Object-oriented Programming	3	15	**Sep-07**	x	x	x	x	x	x	x	**Fcore**
Introduction to Programming	2	15	**Sep-07**	x	x	x	x	x	x	x	**Fcore**
Specialist Project Modules											
Specialist Project	M	60	**Sep-07**	**core**	**core**	**core**	**core**	**core**	**core**	**core**	**core**

Key

M	masters	core	Core module for the award	
3	3rd year bachelors	O	Option	- the module can contribute to the award
2	2nd year bachelors	S	Suggested	- contributory module, suitable for the award
		Fcore	Foundation Module	- normally taken by non-CS graduates
		x	Foundation Module	- not normally available for CS graduates