

MSci Computer Science (Software Engineering) (G461) September 2017 intake

The purpose of this information sheet is to provide prospective students and applicants with further information about the nature of this degree, in order to help you decide if it is the right choice for you. Should you have any further questions, contact information is provided at the end of the flyer.

Section 1 – degree programme structure

Awarding institution	Royal Holloway University of London
Accreditation(s) (where applicable)	BCS, The Chartered Institute for IT and European Quality
	Assurance Network for Informatics Education (EQANIE).
Standard length of degree	Four Years

The following table summarises the compulsory modules, which Royal Holloway refers to as mandatory course units, offered on this degree programme each year:

	Year 1				
Methods of teaching		Methods of assessment			
Contact hours	Self-study hours	Written exam	Practical	Coursework	Credits
57	93	90%	0	10%	15
42	108	60%	0	40%	15
44	106	0	0	100%	15
44	106	0	0	100%	15
40	110	90%	0	10%	15
42	108	90%	0	10%	15
42	108	90%	0	10%	15
34	116	40%	0	60%	15
	Year 2				
Methods of teaching		Methods of assessment			
Contact hours	Self-study hours	Written exam	Practical	Coursework	Credits
33	117	60%	0	40%	15
40	110	0	0	100%	15
44	106	80%	0	20%	15
44	106	60%	0	40%	15
33	117	90%	0	10%	15
33	117	80%	0	20%	15
33	117	70%	0	30%	15
	Contact hours 57 42 44 44 40 42 42 34 Methods of Contact hours 33 40 44 44 33 33	Methods of teaching	Methods of teaching Methods Contact hours Self-study hours Written exam 57 93 90% 42 108 60% 44 106 0 40 110 90% 42 108 90% 42 108 90% 34 116 40% Year 2 Methods of teaching Methods Contact Self-study hours Written exam 33 117 60% 40 110 0 44 106 80% 44 106 80% 44 106 60% 33 117 90% 33 117 90% 33 117 80%	Methods of teaching Methods of assessment Contact hours Self-study hours Written exam Practical 57 93 90% 0 42 108 60% 0 44 106 0 0 40 110 90% 0 42 108 90% 0 42 108 90% 0 34 116 40% 0 Year 2 Methods of teaching Methods of assessment Contact hours Self-study hours Practical 40 110 0 0 40 110 0 0 44 106 80% 0 44 106 60% 0 33 117 90% 0 33 117 90% 0 33 117 80% 0	Methods of teaching

Page **1** of **4**



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(at least two of the cho	sen courses n	Year 3 nust be from t	he Softwar	e Engineeri	ng (SE) strand)
	Methods o	of teaching	Methods	of assessme	nt	
Course unit name	Contact hours	Self-study hours	Written exam	Practical	Coursework	Credits
Human-Computer Interaction	44	106	40%	0	60%	15
Full Unit Project	10	290	0	0	100%	30
Malicious Software	33	117	70%	0	30%	15
(at least three of the cho	osen courses i	Year 4 must be from	the Softwa	re Engineer	ing (SE) strand	d)
	Methods of teaching		Methods of assessment			
Course unit name	Contact hours	Self-study hours	Written exam	Practical	Coursework	Credits
MSci Team Project	20	580	0	0	100%	60

In addition to these mandatory course units, there will be a number of optional course units available during the course of your degree. The following table lists a selection of optional course units that are likely to be available. Please note that although the College will keep changes to a minimum, new units may be offered or existing units may be withdrawn, for example, in response to a change in staff. You will be informed if any significant changes need to be made.

Year 1	Year 2	Year 3	Year 4
None	Introduction to Artificial Intelligence	Bioinformatics	Digital audio and applications*
	Multi- dimensional Data Processing	Digital audio and applications	Large-scale data storage and processing
		Compilers and code generation	Computational optimization*
		Computational optimisation	Business Intelligence Systems, Infrastructures and Technologies
		Functional programming and applications	Data analysis (AI)
		Advanced algorithms	On-line machine learning (AI)
		Visualisation and exploratory analysis (AI)	Visualisation and exploratory analysis* (AI)

Page 2 of 4 15/03/2017



Machine learning (AI)	Machine learning* (AI)
Computational finance (AI)	Methods of computational finance* (AI)
Intelligent agents and multiagent systems (AI)	Intelligent agents and multi- agent systems* (AI)
Semantic Web (AI)	Semantic Web* (AI)
Advanced data communications (DNS)	Deep Learning (AI)
Concurrent and parallel programming (DNS)	Advanced data communications* (DNS)
Smart cards/Token security and applications (IS)	Security management (IS)
Digital forensics (IS)	Secure business architectures (IS)
Cyber security (IS)	Smart cards/Token security and applications* (IS)
Applications of cryptography (IS)	Digital forensics* (IS)
Software language engineering (SE)	Security testing theory and practice (IS)
IT Project Management (SE)	Cyber security* (IS)
	Technology entrepreneurship (SE)
	Running a small business (SE)
	Standards IP and technology seminar series (SE)

^{*} cannot be taken if the course with the same title was taken in Year 3

As part of your degree programme you may be required to complete a course to develop your study skills, for example a course in academic writing skills. Courses such as these often do not carry credit but passing the course may be a requirement to progress to the next year of study.

Page **3** of **4**



Section 2 – degree programme costs

H/EU tuition fee 2017/18*	£9,250
Overseas tuition fee 2017/18**	£15,600
Other essential costs	Costs incurred by students while on a Year in Industry/Business vary depending on the nature and location of the placement. For further information please contact the department.

^{*}Tuition fees for UK and EU nationals starting a degree in the academic year 2017/18 will be £9,250 for that year. This amount is subject to the UK Parliament approving a change to fee and loan regulations that has been proposed by the UK Government. In the future, should the proposed changes to fee and loan regulations allow it, Royal Holloway reserves the right to increase tuition fees for UK and EU nationals annually. If relevant UK legislation continues to permit it, Royal Holloway will maintain parity between the tuition fees charged to UK and EU students for the duration of their degree studies.

For further information on tuition fees please see Royal Holloway's Terms & Conditions.

***These estimated costs relate to studying this particular degree programme at Royal Holloway. Costs, such as accommodation, food, books and other learning materials and printing etc., have not been included, and further information regarding these can be found on our website.

Section 3 - useful vocabulary

We understand some of the terminology used in this document may be new to you, and may differ from that used by other universities. To help with this, we have provided a brief description for some of the most important terminology:

Degree programme – Also referred to as 'degree course' or simply 'course', these terms refer to the qualification you will be awarded upon successful completion of your studies.

Course unit – Also referred to as 'module', this refers to the individual units you will study each year to complete your degree programme. Undergraduate degrees at Royal Holloway comprise four full units, or a combination of full and half units, to the value of 120 credits per year. Mandatory course units must be taken by every student on the relevant degree programme. Some of these mandatory course units must be passed for progression or a particular degree title. On some degree programmes a certain number of optional course units must be passed for a particular degree title. H/EU – Different categories of students pay different levels of tuition fees. H/EU stands for students with Home or European Union fee status.

Overseas – Non-EU students are liable to pay the overseas rate of tuition fees, and are sometimes also referred to as international students.

Section 4 – contact information

If you have any further questions, you can contact the Admissions team by email at study@royalholloway.ac.uk.

Please note that this information is final at the time of publication (15/03/2017) and supersedes any previous information provided in publications or on Royal Holloway's website.

Page 4 of 4 15/03/2017

^{**} Royal Holloway reserves the right to increase tuition fees for overseas fee paying students annually. Tuition fees are unlikely to rise more than 5% each year.