

Master of Science (MSc) in Information Security



myPotential
Leading to your achievement

Royal Holloway, University of London, is home to the Information Security Group, one of the foremost academic security groups in the world. The Group regularly hosts international visitors and has close links to leading companies in the area of Information Security.

Students for the MSc Information Security come from a variety of backgrounds, ranging from new graduates through to senior security managers seeking a formal qualification in information Security. Graduates of the degree are expected to find employment in both industry and commerce as security experts. Graduates are found in organisations ranging from large financial institutions to technology and research oriented organisations, as well as security specialists.

To ensure that the programme is completely up to date, several modules involve substantial input from internationally recognized information security experts. Furthermore, all of the academic staff have links with external organisations that are involved with information security and secure digital business, including many of the largest such organisations in the UK. This faculty will be visiting St Martin's to teach on workshops for students following the MSc Information Security degree in Malta.

All MSc degrees qualify under the myPotential scheme and you will be able to obtain a refund of up to €13,976.24 of all your costs for tuition, course material and examinations. In other words, the Government of Malta will pay you back for your costs, by deducting your income tax after you graduate. The tax credit for an individual student is spread over three years, and is due as from the year of assessment that immediately follows the year in which the individual obtains the qualification. Any amount that is not absorbed within the three year period is carried forward to subsequent years. The myPotential scheme will elapse in December 2008, but those students who embark on the MSc programme this academic year are guaranteed the tax reimbursement at the beginning of the programme.



The **MSc in Computer Games and Entertainment** is awarded by the University of London. The Lead College of this degree is Royal Holloway. **St Martin's Institute of IT** is an Advanced Specified Teaching Institution of the University of London, offering tuition for the University of London External Programme.

Further information may be obtained from;
St Martin's Institute of IT
Schembri Street, Hamrun HMR 1504, Malta
Phone: +356 2123 5451 Fax: +356 2123 2630 Email: infodeskmalta@stmartins.edu
Web site: www.stmartins.edu

Information Security

The electronic handling of information is one of the defining technologies of our age. Enormous volumes of information are routinely stored and transmitted worldwide—indeed, most aspects of our daily lives would come to a halt should the information infrastructure fail. However, with the benefits deriving from the ability to automatically manage so much information come major threats to businesses, governments and individuals.

The field of Information Security, namely the study of countermeasures to these real and serious threats, has grown rapidly in recent years. The subject embraces a range of technologies such as cryptography, computer security and fraud detection, and also includes the study of how security can best be managed.

This MSc is designed to introduce the technical, legal and commercial aspects of Information Security. It is intended as a foundation for a professional career, as well as for a professional career, as well as for postgraduate research, in information security. Graduates of the degree are expected to find employment in both industry and commerce as security experts, and the need for such experts is likely to be very high for such experts is likely to be very high for the foreseeable future. We look forward to welcoming you to the programme.

Professor Fred Piper

Year ONE	Year TWO	Year THREE
<i>Security Management</i>	Secure electronic commerce and other applications	Project
An Introduction to Cryptography & Security Mechanism	Standards and evaluation criteria	
Network Security	Information Crime	
Computer Security	Database Security	

Entry Qualifications

The minimum entry qualifications for the MSc programmes are;

A first or upper-second class degree in Electronic Engineering, Computer Science, Information Systems, Mathematics, or a related discipline. Applicants with unrelated degrees will be considered if there is evidence of significant relevant industrial experience. Applicants with lower-second class degrees may be considered if the undergraduate degree specialized in the relevant subjects. Mature students with industrial experience will be considered and are encouraged to apply.

In addition to the above general entry requirements applicants to all programmes should have basic programming skills in some language, ideally, an object-oriented language. One should be able to take a straightforward problem, such as those commonly set on undergraduate programming courses and confidently create the solution in code, using common data structures such as arrays and trees. St Martin's Institute of IT provides support courses in Object Oriented Programming using Java for those who wish to upgrade their skills.

Procedures [READ CAREFULLY]

1. Complete and hand in the St Martin's Institute of IT application form, together with the required documents and accompanied by the non-returnable €125 application fee payable to St Martin's Institute of IT.
2. Your application will be processed. You may be guided to apply formally with the University of London for the postgraduate programme of your choice (note the University of London will require its own fees for application and registration) by May preceding the start of the programme in September.
3. You will be required to complete the St Martin's Institute of IT registration form to secure your place as a student in the programme of your choice, accompanied with a one time non-returnable registration fee of €480 for evening students, or €950 for full time students, payable to St Martin's Institute of IT. (Evening diploma and degree students will be required to pay separately the University of London registration and other fees). Registration to our classes is on a first-come, first-serve basis, and late applications will be accepted **ONLY** if vacancies are available.
4. The fees listed are applicable for the period 2008 to 2009, and may be increased at the discretion of the Institute, but to a maximum of 10% of each unit's listed fee. The fees exclude any University of London fees.
5. Tuition fees are paid **in advance payable by the 10th of the current month**. Students who default in two regular payments without written consent may be expelled from the programme without any re-imbursment, and may be charged penalty fees.
6. The workshops are being offered on the basis that the minimum number of students for each programme (10 students) have registered, and will workshops will be organised according to demand and availability of resources.
7. In the case of early resignation a penalty of 25% or pro-rata of the unit cost (whichever higher) will be charged in the case of students dropping any units after the start of the course.
8. Workshops will be held on a day course basis, between 9:00 am and 6:00 pm. The workshops may be organized on any day of the week, including Saturday. Students may be asked to will attend for a two-hour tutorial every four weeks for every unit with St Martin's Institute of IT faculty.

MSc Information Security (3 yrs, eve)		Year 1	Year 2	Year 3	TOTAL
St Martin's Fees	€				4800
University of London Fees (estimate)	€				15000
Subtotal for each academic year	€				19800
Conversion in €and rounded	LM				8500

The tables above are for guidance as to the total cost of St Martin's tuition and registration fees and the fees payable to the University of London External Programme. This table does not include estimates for text books and ancillary needs. These apply for EU students attending classes after normal office hours.