



MASTER OF INFORMATION SECURITY

FACULTY OF COMPUTER SCIENCE
AND INFORMATION TECHNOLOGY

UNIVERSITI PUTRA MALAYSIA

Introduction

The Master of Information Security is a 40 credits postgraduate program by course work at the Faculty of Computer Science and Information Technology, Universiti Putra Malaysia (UPM). It offers an opportunity for advanced studies and career development in the field of information security.

The program educational objectives are:

1. to produce knowledgeable, highly skilled, versatile and competitive professionals in the field of information security as catalysts for research, development and innovation to fulfil the current market demand.
2. to produce professional human capital who are sensitive to the ever-changing information security environment demands and skilful in solving problems creatively, innovatively and ethically.
3. to build professional cooperative networks with organizations as well as local and global communities in handling information security issues and problems.



Entry Requirements

Entry requirement set by the University is:

1. An applicant must have obtained a Bachelor degree in Computer Science (honours) or its equivalent with a CGPA of at least 3.000 from UPM or other universities recognized by UPM.

In addition, an applicant must satisfy entry requirements set by the Faculty:

2. Applicants with a CGPA between 2.500 and 2.999 may be considered for entry if they have at least one (1) year of working experience in the related field.
3. Applicants in their final semester of undergraduate studies with good standing CGPA may be considered for the program.
4. Local (Malaysian) applicants must have passed with Credit in their English in the *Sijil Pelajaran Malaysia* (SPM) or have passed the required English course(s) at diploma or bachelor level.
5. Non-Malaysian applicants from overseas must have achieved at least:
 - 550 in TOEFL Paper-based Test (Academic Version).
 - Band 6.0 in IELTS (Academic Training).
 - 79-80 in TOEFL Internet-based Test (Academic Version).
 - 213 in TOEFL Computer-based Test (Academic Version).
 - Level 109 in CIEP.



Credits Requirement for Graduation

Students must complete at least **40 credits**. The minimum cumulative average is **3.000**. The minimum credit distribution for this program is as follows:

Core modules	25 credits
Project paper	9 credits
Field Elective	6 credits
Total	40 credits

Lecture Hours

Lecture hours are based on one (1) credit equivalent to one (1) hour of lecture. Classes are conducted at 6:00pm to 9:00pm, weekdays from Monday to Friday.

Tuition Fees

A registered student is required to pay a tuition fee which comprises of a basic fee plus fees based on credits (i.e. depending on the courses) registered for the semester.

A. Basic Fees

Semester	Malaysians	International Students
First Semester	MYR 1,200	MYR 2,200
Second and subsequent semesters	MYR 950	MYR 1,950

B. Credit-based Fees

Credit	Malaysians	International Students
For each credit	MYR 250	MYR 400
Total amount for all the 40 credits	MYR 10,000	MYR 16,000

Program Structure

The minimum duration of the program is three (3) semesters. The program is conducted at the UPM Serdang campus.

A. Core Modules (compulsory)

1. SSK5090 Research Methods in Computer Science
2. SSK5207 Cyber Law and Ethics
3. SSK5500 Security in Computing
4. SSK5501 Information Security Management
5. SSK5502 Penetration Testing
6. SSK5505 Internet Security and Cloud Computing
7. SSK5507 Cryptography and Security Protocol
8. SSK5508 Computer Forensic and Investigation
9. SSK5980 Seminar in Computer Science

B. Project paper

1. SSK5990 Project

C. Field Electives (choose 2)

1. SSK5504 Software Security
2. SSK5509 Trusted Computing
3. SSK5510 Steganography
4. SSK5514 Intrusion Detection System
5. SSK5517 Advanced Cryptography
6. SSK5527 Cryptanalysis



Contact Details

Application for Admission

Please apply online via <http://www.sgs.upm.edu.my> and send the application supporting documents to the address below:

Dean
School of Graduate Studies
Zone 4, Off Jalan Stadium
Universiti Putra Malaysia
43400 UPM Serdang
Selangor Darul Ehsan, MALAYSIA

Tel: +603-8946 4225/4218/4223
Email: admission@putra.upm.edu.my
Website: <http://www.sgs.upm.edu.my>

For further information, please contact:

Programme Coordinator:
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