MASTER OF SOFTWARE ENGINEERING

FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

UNIVERSITI PUTRA MALAYSIA

INTRODUCTION

The Master of Software Engineering is a 40 credit 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 software engineering.

The program objectives are:
1. to provide competent software engineers to fulfill the needs of the software industry.
2. to offer the opportunity to further studies as well as career advancement in software engineering.
3. to produce professional software engineers who have the communication and ethical skills.

ENTRY REQUIREMENT

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. One of the following English requirement:
- 550 for the TOEFL Paper-based Test (Academic Version); or
- Band 6.0 for IELTS (Academic Training) ; or
- 79-80 for TOEFL Internet-based Test (Academic Version) ; or
- 213 for TOEFL Computer-based Test (Academic Version) ; or
- Level 109 for CIEP at ELS Language Centre; or
- Band 4.0 for IELTS (Academic Training) or 550 for the TOEFL Paper-based Test (Academic Version) only for Malay Language Studies, Arabic, Chinese Literature programme or any other programmes that allow a thesis to be written in the language of instruction.
- Applicant who has graduated from Public or Private Institute in Malaysia which is recognized by MQA; or
- Applicant who has undergone his Bachelor's degree or Master's degree from Institute of Higher Learning in Native English Speaking Countries; or
- Applicant from any of the following native English Speaking Country and Commonwealth countries:

o Australia	o Pakistan
o Bangladesh	o Puerto Rico
o Canada	o Philippine
o Fiji	o Sierra Leone
o Gambia	o Singapore
o Ghana	o Swaziland
o India	o Sudan
o Ireland	o South Africa
o Liberia	o Trinidad & Tobago
o Malawi	o Tanzania
o Maldives	o Uganda
o Mauritius	o United State of Amerika
o New Zealand	o UnitedKingdom
o Nigeria	

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 Electives	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 6:00 p.m. to 9:00 p.m., 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. SSE5090 Research Methods in Software Engineering
2. SSE5203 Project Management for Software Construction
3. SSE5204 Software Development Methodology
4. SSE5206 Software Measurement
5. SSE5210 Empirical Methods for Software Engineering
6. SSE5302 Requirements Engineering
7. SSE5303 Software Modelling
8. SSE5304 Software Testing
9. SSE5980 Seminar in Software Engineering

B. Project Paper

1. SSE5988 Project

C. Field Electives (choose 2)

1. SSE5205 Software Architecture and Design
2. SSE5211 Formal Methods
3. SSE5212 Human-Computer Interface
4. SSE5305 Web Engineering
5. SSK5504 Software Security

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

For further information, please contact:
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