

FACULTY OF COMPUTER SYSTEMS & SOFTWARE ENGINEERING

Post Graduate Program

ABOUT UMP

Established in 2002 as the sixteenth Public University in Malaysia, UMP offers a wide range of academic programmes in various engineering, science and technology disciplines from diploma to postgraduates for local and international students.

As a focussed university, developing our niche area namely chemical engineering, industrial biotechnology and automotive engineering is our main priority. At the same time, UMP also ventures on other engineering disciplines such as civil and environmental engineering, electric and electronics engineering and software engineering.

Committed in pursuing our vision to be the first choice world-class Technological University, UMP's academic structures and curriculums aim at enhancing the capabilities of the students in becoming highly competent professionals and global players of the future.

We look forward in welcoming you as a new member of our UMPian community. Join us and experience the best in engineering, science and technology education!

FACULTY OF COMPUTER SYSTEMS & SOFTWARE ENGINEERING

Faculty of Computer Systems & Software Engineering (FSKPP) was established on 16 February 2002 to produce knowledgeable, high skilled and competitive graduates within the sphere of software engineering, computer & computer network and graphics & multimedia. The faculty is currently among the best IT program in Malaysia for its quality of education, soft skills and technology based skills.

FSKPP take great pride in the development and growth of its student's enrolment and graduates. Through high quality teaching (by completing specific outcome and generic skills), great laboratory facilities, proper and careful advising and numerous professional activities, our student have the opportunities to excel in the classroom and laboratory session. In the personable atmosphere, the student become well prepared in the terms of computer knowledge, technical skills, ready and confident to begin their personal carrier of further their studies.

► BY COURSEWORK

- » **Master of Science (Information & Communication Technology)**
- » **Master of Science (Software Engineering)**
- » **Master of Science (Computer Networking)**

Master of Science (Information & Communication Technology)

Designed for graduates of computing disciplines, this conversion course is designed to develop the technical, analytical and professional skills required for a computing role. It may be taken to integrate professional computing skills into your current discipline or to start a new and rewarding career within computing/IT.

Subjects covered:

SUBJECT	CR	PASS GRADE	LECTURE	LAB
Problem Solving in ICT	3	B-	2	2
Data Management	3	B-	2	2
Data Communication & Networking	3	B-	2	2
Software Design & Development	3	B-	2	2
Current Issues in ICT	3	B-	3	0
	15			

SUBJECT	CR	PASS GRADE	LECTURE	LAB
Web Technologies	3	B-	2	2
Information Security	3	B-	2	2
Research Methodology & Project Proposal	4	B-	4	1
Project Management	3	B-	3	0
Elective I	3	B-	2	2
	16			

SUBJECT	CR	PASS GRADE	LECTURE	LAB
Final Project	9	B-	0	0
	9			

Overall Total Credit = 40

Master of Science (Software Engineering)

Designed for graduates of computing disciplines, this course includes a process-oriented approach to the subject and features study of advanced technological developments and several other issues related to the software industry. It helps the students to build a strong foundation of theory and best-practice knowledge, which they can apply in a variety of technical and business environments today and in the future.

Subjects covered:

COURSE	Cr	Pass Grade	Lecture	Lab	Tutorial
Software Engineering for Professional Practices	4	B-	2	4	0
Human Aspect of Software Engineering	4	B-	3	2	0
Architectures for Software System	4	B-	3	2	0
Software Configuration and Management	4	B-	3	2	0
	16				

COURSE	Cr	Pass Grade	Lecture	Lab	Tutorial
Research Methodology & Project Proposal	4	B-	4	1	0
Project Management	3	B-	3	0	0
Elektif I	4	B-	3	2	0
Elektif II	4	B-	3	2	0
	15				

COURSE	Cr	Pass Grade	Lecture	Lab	Tutorial
Final Project	9	B-	0	0	0
	9				

Overall Total Credit = 40

Master of Science (Computer Networking)

Designed for graduates of computing based disciplines, this course is designed to address a specific need in the computer networking industry which blends the technical and management aspects of computer networking to offer student a unique educational opportunity. It is intended for students who wish to specialize in the security aspects of the computer networking field.

Subjects covered:

SUBJECT	Cr	Pass Grade	Lecture	Lab	Tutorial
Current Issues in Networking	4	B-	4	0	0
Advanced Network Analysis and Design	4	B-	3	2	0
Network Security	4	B-	3	2	0
Network Performance	4	B-	3	2	0
	16				

SUBJECT	Cr	Pass Grade	Lecture	Lab	Tutorial
Research Methodology & Project Proposal	4	B-	4	0	0
Project Management	3	B-	3	0	0
Elektif I	4	B-	3	2	0
Elektif II	4	B-	3	2	0
	15				

SUBJECT	Cr	Pass Grade	Lecture	Lab	Tutorial
Final Project	9	B-	0	0	0

Overall Total Credit = 40

► BY COURSEWORK ADMISSION REQUIREMENT

- Bachelor degree in Science from Public Institution of Higher Learning (IPTA) Private Institution of Higher Learning (IPTS) recognized by UMP Senate with CPA 2.70 and above, OR
- A qualification deemed to be equivalent with some experience in related area as approved by UMP Senate, if required, shall satisfy the examiners in a qualifying examination, OR
- For applicants of M.Sc. (Information & Communication Technology) which are not in Science field should have at least 3 years working experience in IT related field
- Foreign students from countries where the primary language is not English, and who do not have a previous degree from an English-speaking university, must complete the TOEFL or IELTS exam with a score that meets The Graduate School standards, which currently are 550 or Band 6.

► BY COURSEWORK DURATION

Program	Full Time		Part Time	
	Minimum no. of semesters	Maximum no. of semesters	Minimum no. of semesters	Maximum no. of semesters
Master by coursework	3 (1 year)	6 (2 years)	6 (2 years)	12 (4 years)

► BY COURSEWORK FEE

Tuition Fees for Every Semester							
Masters by coursework (Full time - min 9 credits) (Part time - min 3 credit)	Malaysian		International				
	Full time/Part Time		Full time/Part Time		Full time/Part Time		
RM	285 per credit		400 per credit		400 per credit		
*USD	90 per credit		126 per credit		126 per credit		
Registration Fees, Examination Fees and Administrative Fees							
	Malaysian		International				
	1 st Semester	Subsequent Semesters	1 st Semester	Subsequent Semesters	1 st Semester	Subsequent Semesters	
RM	*USD	RM	*USD	RM	*USD	RM	*USD
Registration - All students	250	79	0	0	250	79	0
Examination Fees (Master Course Work)	300	94	300	94	300	94	300
Administrative Fees	375	118	375	118	375	118	375
Welfare	20	6	20	6	30	10	30
Insurance	30	10	30	10	300/ year	94/ year	300/ year

*Subject to change depends on the currency exchange