

**FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY
UNIVERSITI PUTRA MALAYSIA**

PROGRAMME	CODE
Bachelor of Computer Science (Computer System)	SSK
Bachelor of Computer Science (Multimedia)	SKM
Bachelor of Computer Science (Computer Network)	SKR
Bachelor of Software Engineering	SSE

Core courses

Course Code	Course Name	Credit	Semester
SSE4306	Software Quality	3	1
SSE4300	Software Project Management	3	1
SSE4301	Software Engineering Team Project	3	2
SIM4207	Ethics in Computing	3	2

Elective courses

Course Code	Course Name	Credit
SSK4102	Embedded Systems Development	3
SSK4106	Design and Analysis of Algorithms	3
SSK4205	Compiler Design	3
SSK4207	Computer Architecture	3
SSK4303	Operating System Design	3
SSK4403	Database Administration	3
SSK4407	Business Analytics	3
SSK4409	Big Data Analytics	3
SSK4506	Database Security	3
SSK4507	Cryptography	3
SSK4508	Computer Forensics	3
SSK4604	Data Mining	3
SSK4610	Knowledge Based System	3
SSK4613	Machine Learning and Neural Networks	3
SSK4617	Computing Agents	3
SSK4618	Robotic System Development	3
SKM4201	Virtual Reality	3
SKM4203	Audio Visual Design and Production	3

SKM4204	Artificial Intelligence in Computer Games	3
SKM4207	Data Compression	3
SKM4215*	Creative Design Elements	3
SKM4209	Natural Language Processing	3
SKM4210	Speech Processing	3
SKM4301	Multimedia Information Retrieval	3
SKM4310	Computer Games Development	3
SKM4311	Animation for Multimedia Production	3
SKM4312	Educational Multimedia Software Development	3
SKM4400	Multimedia Project Management	3
SSK4505	Computer System Security	3
SKR4307*	Mobile Application	3
SKM4211	Sound Processing	3
SKM4313	Augmented Reality Application	3
SKR4201	High Speed Networks	3
SKR4202	High Performance Computing	3
SKR4305	Distributed Operating System	3
SKR4205	Wireless and Mobile Network	3
SKR4307	Mobile Application	3
SKR4403	Grid Computing	3
SKR4404	Cloud Computing	3
SIM4208	Electronic Commerce	3
SSE4350	Software Architecture	3
SSE4351	Software Maintenance And Evolution	3
SSE4353	Component-Based Software Development	3
SSE4354	Enterprise Systems Development	3
SSE4355	Real-time Software Engineering	3
SIM4200	Information Systems	3
SSE4303	Formal Methods In Software Development	3
SSK4205	Compiler Design	3
SSK4401	Database Systems	3
SSK4505	Computer System Security	3
SSK4617	Computing Agents	3