

BACHELOR OF SCIENCE (HONOURS) SOFTWARE ENGINEERING

Courses offered by Trimester		Trimester			Pre-requisite	Note
COURSE CODE	COURSE DESCRIPTION	Jan	May	Oct		
UNTIL OCT INTAKE 2019						
Core:						
UECS1104	Programming and Problem Solving	/	/			
UECS1144	Object-Oriented Application Development	/	/		UECS1104 Programming and Problem Solving	
UECS1413	Database System Fundamentals	/				
UEEN2013	TCP/IP Network Fundamentals		/			
UECS1013	Introduction to Computer Organisation and Architecture		/			
UECM1633	Probability and Statistics for Computing	/				
UECS1313	Software and Requirements		/			
UECS2333	Human Computer Interaction Design		/			
UECS2344	Software Design	/			UECS1144 Object-Oriented Application Development	
UECS2354	Software Testing	/			UECS1144 Object-Oriented Application Development	
UECS2363	Software Construction and Configuration		/		UECS1144 Object-Oriented Application Development	
UECS3253	Wireless Application Development		/		UECS1144 Object-Oriented Application Development	Elective for intakes before 2017
UECS3383	Software Quality Assurance	/			UECS2354 Software Testing	
UECS2194	Web Application Development	/			UECS1144 Object-Oriented Application Development	
UECS2453	Problem Solving with Data Structures and Algorithms		/		UECS1144 Object-Oriented Application Development	
UECS3294	Advanced Web Application Development	/			UECS2194 Web Application Development	
UECS2403	Operating Systems		/			
UECS2033	Software Project Management		/		UECS1313 Software and Requirements	Pre requisite For intake October 2017 Onward
UECS3393	Software Entrepreneurship	/			UECS2033 Software Project Management	
UECS2596	Industrial Training			/	Earned at least 52 credit hours	
UECS3583	Project I	/	/		Earned at least 72 credit hours	
UECS3596	Project II	/	/		Project I	
Electives: (Major) [Select 4 courses]*						
UEEN3013	TCP/IP Network Routing	/			UEEN2013 TCP/IP Network Fundamentals	
UECS2023	Multimedia Technology	/				
UECS2153	Artificial Intelligence		/		UECS1104 Programming and Problem Solving	
UECS3443	Parallel Processing	/			UECS1104 Programming and Problem Solving	
UECS3203	Advanced Database Systems		/		UECS1413 Database System Fundamentals	
UECS3483	Data Mining	/			UECS1104 Programming and Problem Solving	
UECS2373	Team Project		/		UECS2344 Software Design	Core for intakes before 2017
UECS3223	Cloud Computing	/			UECS1144 Object-Oriented Application Development	
UECS3263	iOS Application Development		/		UECS1144 Object-Oriented Application Development	
UECS3173	Programming with Game Engines		/		UECS1144 Object-Oriented Application Development	
UEEN3123	TCP/IP Network Application Development		/		UECS1144 Object-Oriented Application Development	
UEEN3113	Server Configuration and Management	/				
UEEN4113	Network Security Management	/			UEEN2013 TCP/IP Network Fundamentals	
UECS3413	Digital Image Processing	/				Only offered on Staff availability
Electives: (General Electives) [Select 1 course]*						
UECS2233	Electronic Commerce	/				
UJMG1003	Creative Thinking and Idea Generation		/			
UECM2243	Data Analysis for Business Intelligence		/	/		
UEMH4283	Automation in 4th Industrial Revolution		/			
UJMG1153	Communication in Interpersonal Relationships	/	/			
UKTR3013	Property Market Analysis	/	/			
UKMB1013	Principles of International Business	/	/			
UKTC1013	Cross-Cultural Management		/			
UJGS2033	Cross-Cultural Interactive Communication		/			Only offered on Staff availability
ULUE1003	Confucianism And Modern Society		/			Only offered on Staff availability
Electives: (Humanities) [Select 3 courses]*						
UALE1083	Basic Professional Writing	/	/			
UALL3033	Public Speaking and Oral Presentation	/	/	/		
UALL1063	Oral Communication & Interpersonal Skills	/	/	/		
UBMM1013	Management Principles	/	/	/		Offered every trimester
UKMM1043	Basic Economics, Accounting and Management	/	/	/		Offered every trimester
UECS2133	Digital Economy		/			
Arts and Humanities:						
MPU32013 / UALxxx3	Bahasa Kebangsaan (A) / Foreign Language	/	/	/		Offered every trimester
MPU3113 / MPU3173	Hubungan Etnik (for local students) / Malaysian Studies (for international students) - MPU1	/	/	/		Offered every trimester
MPU3123 / MPU3143	Tamadun Islam dan Tamadun Asia (for local students) / Bahasa Melayu Komunikasi 2 (for international students) - MPU1	/	/	/		Offered every trimester
MPU32033	English for Professionals - MPU2	/	/	/		Offered every trimester
UKMM1011	Sun Zi's Art of War and Business Strategies	/	/	/		Offered every trimester
MPU33213	Computer Ethics and Professional Responsibility - MPU3		/	/		
MPU34xx2	Co-curricular unit - MPU4	/	/	/		Offered every trimester
Total (120 Credit Hours)						

BACHELOR OF SCIENCE (HONOURS) SOFTWARE ENGINEERING

Courses offered by Trimester		Trimester			Pre-requisite	Note
		Jan	May	Oct		
Core:						
UECS1104	Programming and Problem Solving	/	/			
UECS1144	Object-Oriented Application Development	/	/		UECS1104 Programming and Problem Solving	
UECS1413	Database System Fundamentals	/				
UEEN2013	TCP/IP Network Fundamentals		/			
UECS1013	Introduction to Computer Organisation and Architecture		/			
UECM1633	Probability and Statistics for Computing	/				
UECS1313	Software and Requirements		/			
UECS2333	Human Computer Interaction Design		/			
UECS2344	Software Design	/			UECS1144 Object-Oriented Application Development	
UECS2354	Software Testing	/			UECS1144 Object-Oriented Application Development	
UECS2363	Software Construction and Configuration		/		UECS1144 Object-Oriented Application Development	
UECS3253	Wireless Application Development		/		UECS1144 Object-Oriented Application Development	Elective for intakes before 2017
UECS3383	Software Quality Assurance	/			UECS2354 Software Testing	
UECS2194	Web Application Development	/			UECS1144 Object-Oriented Application Development	
UECS2453	Problem Solving with Data Structures and Algorithms		/		UECS1144 Object-Oriented Application Development	
UECS3294	Advanced Web Application Development	/			UECS2194 Web Application Development	
UECS2403	Operating Systems		/			
UECS2033	Software Project Management		/		UECS1313 Software and Requirements	Pre requisite For intake October 2017 Onward
UECS3393	Software Entrepreneurship	/			UECS2033 Software Project Management	
UECS2596	Industrial Training			/	Earned at least 52 credit hours	
UECS3599	Project (Part 1)	/	/		Earned at least 72 credit hours	
UECS3599	Project (Part 2)	/	/		Completed Project (Part 1)	
Electives: (Major) [Select 4 courses]*						
UEEN3013	TCP/IP Network Routing	/			UEEN2013 TCP/IP Network Fundamentals	
UECS2023	Multimedia Technology	/				
UECS2153	Artificial Intelligence		/		UECS1104 Programming and Problem Solving	
UECS3443	Parallel Processing	/			UECS1104 Programming and Problem Solving	
UECS3203	Advanced Database Systems		/		UECS1413 Database System Fundamentals	
UECS3483	Data Mining	/			UECS1104 Programming and Problem Solving	
UECS2373	Team Project		/		UECS2344 Software Design	Core for intakes before 2017
UECS3223	Cloud Computing	/			UECS1144 Object-Oriented Application Development	
UECS3263	iOS Application Development		/		UECS1144 Object-Oriented Application Development	
UECS3173	Programming with Game Engines		/		UECS1144 Object-Oriented Application Development	
UEEN3123	TCP/IP Network Application Development		/		UECS1144 Object-Oriented Application Development	
UEEN3113	Server Configuration and Management	/				
UEEN4113	Network Security Management	/			UEEN2013 TCP/IP Network Fundamentals	
UECS3413	Digital Image Processing	/				Only offered on Staff availability
Electives: (General Electives) [Select 1 course]*						
UECS2233	Electronic Commerce	/				
UJMG1003	Creative Thinking and Idea Generation		/			
UECM2243	Data Analysis for Business Intelligence		/	/		
UEMH4283	Automation in 4th Industrial Revolution		/			
UJMG1153	Communication in Interpersonal Relationships	/	/			
UKTR3013	Property Market Analysis	/	/			
UKMB1013	Principles of International Business	/	/			
UKTC1013	Cross-Cultural Management		/			
UJGS2033	Cross-Cultural Interactive Communication		/			Only offered on Staff availability
ULUE1003	Confucianism And Modern Society		/			Only offered on Staff availability
Electives: (Humanities) [Select 3 courses]*						
UALE1083	Basic Professional Writing	/	/			
UALL3033	Public Speaking and Oral Presentation	/	/	/		
UALL1063	Oral Communication & Interpersonal Skills	/	/	/		
UBMM1013	Management Principles	/	/	/		Offered every trimester
UKMM1043	Basic Economics, Accounting and Management	/	/	/		Offered every trimester
UECS2133	Digital Economy		/			
Arts and Humanities:						
MPU32013 / UALxxxx3	Bahasa Kebangsaan (A) / Foreign Language	/	/	/		Offered every trimester
MPU3113 / MPU3173	Hubungan Etnik (for local students) / Malaysian Studies (for international students) - MPU1	/	/	/		Offered every trimester
MPU3123 / MPU3143	Tamadun Islam dan Tamadun Asia (for local students) / Bahasa Melayu Komunikasi 2 (for international students) - MPU1	/	/	/		Offered every trimester
MPU32033	English for Professionals - MPU2	/	/	/		Offered every trimester
UKMM1011	Sun Zi's Art of War and Business Strategies	/	/	/		Offered every trimester
MPU33213	Computer Ethics and Professional Responsibility - MPU3		/	/		
MPU34xx2	Co-curricular unit - MPU4	/	/	/		Offered every trimester
Total (120 Credit Hours)						

BACHELOR OF SCIENCE (HONOURS) SOFTWARE ENGINEERING

Courses offered by Trimester		Trimester			Pre-requisite	Note
		Jan	May	Oct		
FROM OCT 2020 INTAKE						
COURSE CODE	COURSE DESCRIPTION					
Core:						
UECS1104	Programming and Problem Solving	/	/			
UECS1144	Object-Oriented Application Development	/	/		UECS1104 Programming and Problem Solving	
UECS1413	Database System Fundamentals	/				
UEEN2013	TCP/IP Network Fundamentals		/			
UECS1013	Introduction to Computer Organisation and Architecture		/			
UECM1633	Probability and Statistics for Computing	/				
UECS1313	Software and Requirements		/			
UECS2333	Human Computer Interaction Design		/			
UECS2344	Software Design	/			UECS1144 Object-Oriented Application Development	
UECS2354	Software Testing	/			UECS1144 Object-Oriented Application Development	
UECS2363	Software Construction and Configuration		/		UECS1144 Object-Oriented Application Development	
UECS3253	Wireless Application Development		/		UECS1144 Object-Oriented Application Development	Elective for intakes before 2017
UECS3383	Software Quality Assurance	/			UECS2354 Software Testing	
UECS2194	Web Application Development	/			UECS1144 Object-Oriented Application Development	
UECS2453	Problem Solving with Data Structures and Algorithms		/		UECS1144 Object-Oriented Application Development	
UECS3294	Advanced Web Application Development	/			UECS2194 Web Application Development	
UECS2403	Operating Systems		/			
UECS2033	Software Project Management	/	/		UECS1313 Software and Requirements	Pre requisite For intake October 2017 Onward
UECS3393	Software Entrepreneurship	/	/		UECS2033 Software Project Management	
Industrial Training						
UECS2596	Industrial Training			/		Earned at least 52 credit hours
Final Year Project						
UECS3599	Project (Part 1)	/	/			Earned at least 72 credit hours
UECS3599	Project (Part 2)	/	/			Completed Project (Part 1)
Program Electives: (Core) [Select 4 courses]						
UEEN3013	TCP/IP Network Routing	/			UEEN2013 TCP/IP Network Fundamentals	
UECS2023	Multimedia Technology	/				
UECS2153	Artificial Intelligence		/		UECS1104 Programming and Problem Solving	
UECS3443	Parallel Processing	/			UECS1104 Programming and Problem Solving	
UECS3203	Advanced Database Systems		/		UECS1413 Database System Fundamentals	
UECS3483	Data Mining	/			UECS1104 Programming and Problem Solving	
UECS2373	Team Project	/	/		UECS2344 Software Design	Core for intakes before 2017
UECS3223	Cloud Computing	/			UECS1144 Object-Oriented Application Development	
UECS3263	iOS Application Development		/		UECS1144 Object-Oriented Application Development	
UECS3173	Programming with Game Engines		/		UECS1144 Object-Oriented Application Development	
UEEN3123	TCP/IP Network Application Development		/		UECS1144 Object-Oriented Application Development	
UEEN3113	Server Configuration and Management	/				
UEEN4113	Network Security Management	/			UEEN2013 TCP/IP Network Fundamentals	
UECS3413	Digital Image Processing	/				Only offered on Staff availability
Electives: (General Electives) [Select 4 course]						
UECS2233	Electronic Commerce	/				
UJMG1003	Creative Thinking and Idea Generation		/			
UECM2243	Data Analysis for Business Intelligence			/		
UEMH4283	Automation in 4th Industrial Revolution		/			
UJMG1153	Communication in Interpersonal Relationships	/	/			
UKTR3013	Property Market Analysis	/	/			
UKMB1013	Principles of International Business	/	/			
UKTC1013	Cross-Cultural Management			/		
UJGS2033	Cross-Cultural Interactive Communication			/		Only offered on Staff availability
ULUE1003	Confucianism And Modern Society			/		Only offered on Staff availability
UAL1083	Basic Professional Writing	/	/			
UALL3033	Public Speaking and Oral Presentation		/	/		
UALL1063	Oral Communication & Interpersonal Skills		/	/		
UBMM1013	Management Principles	/	/	/		Offered every trimester
UKMM1043	Basic Economics, Accounting and Management	/	/	/		Offered every trimester
UECS2133	Digital Economy		/			
University Compulsory						
MPU32013 / UALXxxx3	Bahasa Kebangsaan (A) / Foreign Language	/	/	/		Offered every trimester
UKMM1011	Sun Zi's Art of War and Business Strategies	/	/	/		Offered every trimester
MOE Compulsory						
MPU3113 / MPU3173	Hubungan Etnik (for local students) / Malaysian Studies (for international students) - MPU1	/	/	/		Offered every trimester
MPU3123 / MPU3143	Tamadun Islam dan Tamadun Asia (for local students) / Bahasa Melayu Komunikasi 2 (for international students) - MPU1	/	/	/		Offered every trimester
MPU32033	English for Professionals - MPU2	/	/	/		Offered every trimester
MPU33213	Computer Ethics and Professional Responsibility - MPU3			/		
MPU34xx2	Co-curricular unit - MPU4	/	/	/		Offered every trimester
Total (120 Credit Hours)						