

COURSE MENU

CURICULLUM for BACHELOR OF COMPUTER SCIENCE (GRAPHICS AND MULTIMEDIA SOFTWARE) 4 YEAR PROGRAMME, INTAKE 2020/2021

YEAR 1: SEMESTER 1			
Code	Course	Credit	Pre-requisite
SECI1013	Discrete Structure	3	
SECJ1013	Programming Technique I	3	
SECR1013	Digital Logic	3	
SECP1513	Technology & Information System	3	
UHMT1012	Graduate Success Attributes	2	
Malaysian Students			
UHS1022	Falsafah dan Isu Semasa	2	
UHMS1182	Penghayatan Etika dan Peradaban	2	
International Students			
UHLB2122	Academic Communication Skills	2	
UHIT2302	The Thought of Sciences and Technology	2	
	TOTAL CREDIT	18	
	CUMULATIVE CREDITS	18	

YEAR 1: SEMESTER 2			
Code	Course	Credit	Pre-requisite
SECV1113	Mathematics for Computer Graphics	3	
SECI1143	Probability & Statistical Data Analysis	3	
SECJ1023	Programming Technique II	3	SCSJ1013
SECR1033	Computer Organisation and Architecture	3	SCSR1013
UHLB1122	English Communication Skills	2	
Malaysian Students			
UHIT2302	The Thought of Sciences and Technology	2	
International Students			
UHLM1012	Malaysia Language for Communication	2	
	TOTAL CREDIT	16	
	CUMULATIVE CREDITS	34	

YEAR 2: SEMESTER 1			
Code	Course	Credit	Pre-requisite
SECD2523	Database	3	
SECD2613	System Analysis and Design	3	
SECJ2013	Data Structure and Algorithm	3	SECJ1013 SECJ1023
SECR2213	Network Communications	3	
SECV2113	Human Computer Interaction	3	
UKQF2xx2	Service Learning Co-curriculum Elective	2	
	TOTAL CREDIT	17	
	CUMULATIVE CREDITS	51	

YEAR 2: SEMESTER 2			
Code	Course	Credit	Pre-requisite
SECJ2203	Software Engineering	3	
SECV2223	Web Programming	3	
SECR2043	Operating Systems	3	SECJ1033
SECJ2154	Object Oriented Programming	4	SECJ1023
<i>Elective Courses - Choose 1 (3 Credits)</i>			
SECV2213	Fundamental of Computer Graphics	3	SECV1113 SECJ1023
SECJ2363	Software Project Management	3	
Malaysian Students			
UHLB2122	Academic Communication Skills	2	
International Students			
UHS1022	Falsafah dan Isu Semasa	2	
UHMS1182	Penghayatan Etika dan Peradaban		
	TOTAL CREDIT	18	
	CUMULATIVE CREDITS	69	

YEAR 3: SEMESTER 1			
Code	Course	Credit	Pre-requisite
UHLB3132	Professional Communication Skills	2	
UHLx 1122	Foreign Language Elective	2	
UKQE 3001	Extracurricular Experiential Learning	1	
<i>Elective Courses - Choose 4 (13 Credits)</i>			
SECV3104	Applications Development	4	
SECJ3553	Artificial Intelligence	3	SECJ2013
SECV3113	Geometric Modelling	3	SECV2213
SECV3213	Fundamental of Image Processing	3	
SECJ3263	Mobile Application Programming	3	SECJ2154
	TOTAL CREDIT	18	
	CUMULATIVE CREDITS	87	

YEAR 3: SEMESTER 2			
Code	Course	Credit	Pre-requisite
SECV3032	Graphics and Multimedia Software Project I	2	SECV3104
SECJ3203	Theory of Computer Science	3	SECI1013 SECJ2013
<i>Elective Courses - Choose 4 (12 Credits)</i>			
SECV3223	Multimedia Data Processing	3	SECJ1023
SECJ3563	Computational Intelligence	3	SECJ3553
SECV3263	Multimedia Web Programming	3	
SECV3233	Data Visualisation	3	
SECV3123	Real-time Computer Graphics	3	SECV2213
	TOTAL CREDIT	17	

	CUMULATIVE CREDITS	104	
--	---------------------------	------------	--

YEAR 4: SEMESTER 1			
Code	Course	Credit	Pre-requisite
SECJ4118	Industrial Training (HW)	8	92 credits
SECJ4114	Industrial Training Report	4	CGPA >= 2.0
	TOTAL CREDIT	12	
	CUMULATIVE CREDITS	116	

YEAR 4: SEMESTER 2			
Code	Course	Credit	Pre-requisite
SECV4134	Graphics and Multimedia Software Project II	4	SECV3032
SECD3761	Technopreneurship Seminar	1	
UBSS1032	Introduction to Entrepreneurship	2	
UXXX 2xx2	Enrichment of Knowledge Elective	2	
UXXX2XX2	Generic Skill Elective		
<i>Elective Courses - Choose 2 (6 Credits)</i>			
SECV4213	Computer Games Development	3	SECJ1013
SECV4233	Advanced Computer Graphics	3	SECV2213
SECV4273	Introduction to Speech Recognition	3	SECJ1023
SECH5xx3/ SECD5xx3/ SECS5xx3	PRISMS Elective 1	3	
SECH5xx3/ SECD5xx3/ SECS5xx3	PRISMS Elective 2	3	
	TOTAL CREDIT	15	
	CUMULATIVE CREDITS	131	