

QUANTITY SURVEYING

PROGRAMME STRUCTURE: BACHELOR OF QUANTITY SURVEYING

CATEGORY	NO	CODE	SUBJECT	YEAR I		YEAR II		YEAR III			YEAR IV	TOTAL CREDIT	PRE-REQUISITE	
				S1	S2	S1	S2	S1	S2	S3	S1			
MEASUREMENT	1	BIC 1016	Principles of Measurement for Construction Works I		4							20 (16%)		
	2	BIC 2013	Principles of Measurement for Construction Works II			4								BIC 1016
	3	BIC 2019	Measurement of Advanced Construction Works I				4							BIC 2013
	4	BIC 3011	Measurement of Advanced Construction Works II					4						BIC 2019
	5	BIC 4002	Measurement of Civil Engineering Works								4			BIC 3011
PROFESSIONAL PRACTICE	6	BIC 2021	Pre-Construction QS Practices				3					6 (5%)		
	7	BIC 3013	QS Practices in Construction					3						
TECHNOLOGY IN CONSTRUCTION	8	BIC 1011	Introduction to Construction Technology	3								19 (15%)		
	9	BIC 1017	Materials and Structure in Construction		3									BIC 1011
	10	BIC 2014	Sustainable Construction Technology			3								
	11	BIC 2020	Civil Engineering Construction Technology				3							
	12	BIC 3014	Digital Construction					3						
	13	BIC 1015	Building Services	2										
	14	BIC 2017	Mechanical and Electrical Services in Buildings			2								
MANAGEMENT IN CONSTRUCTION	15	BIC 1014	Principles of Management	2								8 (6%)		
	16	BIC 2016	Project Management Principles			3								
	17	BIC 3012	Construction Project Management					3						
ECONOMICS	18	BIC 1012	Principles of Economics	3								18 (14%)		
	19	BIC 1018	Construction Economics		3									
	20	BIC 2015	Building Economics			3								
	21	BIC 3015	Data Analytics					3						
	22	BIC 2018	Analysis of Prices			3								
	23	BIC 4003	Construction Business and Development								3			
LAW	24	BIC1013	Malaysian Legal Studies	2								8 (6%)		
	25	BIC2022	Pre-Construction Legal Studies				3							
	26	BIC4004	Construction Legal Studies								3			

CATEGORY	NO	CODE	SUBJECT	YEAR I		YEAR II		YEAR III			YEAR IV	TOTAL CREDIT	PRE-REQUISITE	
				S1	S2	S1	S2	S1	S2	S3	S1			
INTEGRATED PROJECT	27	BIC2023	Integrated Project I				4					8 (6%)		
	28	BIC4005	Integrated Project II								4			
RESEARCH & TRAINING	29	BIC3016	Research Methodology for Quantity Surveying					3				13 (11%)		
	30	BIC4006	Research Project								3		BIC3016	
	31	BIC3017	Professional Internship I						4					
	32	BIC3018	Professional Internship II								3			BIC3017
PROGRAMME ELECTIVE COURSE	33		Programme Elective 1		3							6 (5%)		
	34		Programme Elective 2								3			
UNIVERSITY COURSES	35	GIG1012/ **GLT1017	Philosophy and Current Issue/ **Basic Malay Language	2								20 (16%)		
	36	GIG1013	Appreciation of Ethics and Civilization		2									
	37	GIG1003	Basic Entrepreneurship Enculturation			2								
	38	GXXxxxx	Co-Curriculum		2									
	39	GLTxxxx	English I	2										
	40	GLTxxxx	English II				2							
	41		Student Holistic Empowerment (SHE) I	2										
	42		Student Holistic Empowerment (SHE) II		2									
	43		Student Holistic Empowerment (SHE) III				2							
	44		Student Holistic Empowerment (SHE) IV					2						
TOTAL SUBJECT BREAKDOWN			CREDITS	18	19	20	21	21	4	3	20	126		
			SUBJECTS	8	7	7	7	7	1	1	6	44		
			UNIVERSITY COURSES	3	3	1	2	1	0	0	0	10	44	
			PROGRAMME COURSES	5	4	6	5	6	1	1	6	34		

Note:

* Exempted for non –Malaysian students and to be replaced with another Senate-approved university course.

** Course offered to non-Malaysian students

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COMPONENTS	YEAR 1 (Bachelor of Quantity Surveying)						TOTAL CREDIT	
	SEMESTER 1			SEMESTER 2				
	COURSE CODE	COURSE TITLE	CREDIT	COURSE CODE	COURSE TITLE	CREDIT		
Compulsory University Courses	GIG1012/ GLT1017*	Philosophy and Current Issue/ Basic Malay Language*	2	GIG1013	Appreciation of Ethics and Civilization	2	8	
	GLTxxxx	English I	2	GXXxxxx	Co-Curriculum	2		
Programme Core Courses	BIC1011	Introduction to Construction Technology	3	BIC1016	Principles of Measurement for Construction Works I	4	22	
	BIC1012	Principles of Economics	3	BIC1017	Materials and Structure in Construction	3		
	BIC1013	Malaysian Legal Studies	2	BIC1018	Construction Economics	3		
	BIC1014	Principles of Management	2					
	BIC1015	Building Services	2					
University Elective Courses		SHE I	2		SHE II	2	4	
Programme Elective Courses					Program Course Elective#	3	3	
Total Credit			18	Total Credit			19	37

COMPONENTS	YEAR 2 (Bachelor of Quantity Surveying)						TOTAL CREDIT	
	SEMESTER 1			SEMESTER 2				
	COURSE CODE	COURSE TITLE	CREDIT	COURSE CODE	COURSE TITLE	CREDIT		
Compulsory University Courses	GIG1003	Basic Entrepreneurship Enculturation	2	GLTxxxx	English II	2	4	
Programme Core Courses	BIC2013	Principles of Measurement for Construction Works II	4	BIC2019	Measurement of Advanced Construction Works I	4	35	
	BIC2014	Sustainable Construction Technology	3	BIC2020	Civil Engineering Construction Technology	3		
	BIC2015	Building Economics	3	BIC2022	Pre-Construction Legal Studies	3		
	BIC2016	Project Management Principles	3	BIC2021	Pre-Construction QS Practices	3		
	BIC2017	Mechanical and Electrical Services in Buildings	2	BIC2023	Integrated Project I	4		
	BIC2018	Analysis of Prices	3					
University Elective Courses					SHE III	2	2	
Total Credit			20	Total Credit			21	41

COMPONENTS	YEAR 3 (Bachelor of Quantity Surveying)									TOTAL CREDIT	
	SEMESTER 1			SEMESTER 2			SPECIAL SEMESTER				
	COURSE CODE	COURSE TITLE	CREDIT	COURSE CODE	COURSE TITLE	CREDIT	COURSE CODE	COURSE TITLE	CREDIT		
Programme Core Courses	BIC3011	Measurement of Advanced Construction Works II	4	BIC3017	Professional Internship I	4	BIC3018	Professional Internship II	3	26	
	BIC3013	QS Practices in Construction	3								
	BIC3012	Construction Project Management	3								
	BIC3014	Digital Construction	3								
	BIC3015	Data Analytics	3								
	BIC3016	Research Methodology for Quantity Surveying	3								
University Elective Courses		SHE IV	2						2		
Total Credit			21	Total Credit			4			3	28

COMPONENTS	YEAR 4 (Bachelor of Quantity Surveying)						TOTAL CREDIT
	SEMESTER 1			SEMESTER 2			
	COURSE CODE	COURSE TITLE	CREDIT	COURSE CODE	COURSE TITLE	CREDIT	
Programme Core Courses	BIC4002	Measurement of Civil Engineering Works	4				17
	BIC4003	Construction Business & Development	3				
	BIC4004	Construction Legal Studies	3				
	BIC4005	Integrated Project II	4				
	BIC4006	Research Project	3				
University Elective Courses		Programme Elective Course#	3				3
Total Credit			20	Total Credit			20

Notes: Course KIAR GQX0056 is a compulsory SHE course

OVERALL TOTAL CREDIT: 126

The programme structure may be subject to change

*Non-Malaysian

List of Course Elective Programme

BIC4007 - Risk and Value Management (3 credit)

BIC4008 - QS Practices in Building Conservation (3 credit)

BIC4009 - Facilities Management (3 credit)