COURSE LIST
SEMESTER II SESSION 2024/2025
BACHELOR OF SCIENCE (MATHEMATIC TECHNOLOGY) WITH HONOURS – BWA
FACULTY OF APPLIED SCIENCES AND TECHNOLOGY

FIRST YEAR

No.	Course Code	Course Name	Section	Faculty	Credit
		1BWA SEMESTER 11 2024/2025			
	UQ*1**01	Co-Curriculum I		Open	1
	UQ10102	Islamic Studies (*1 Student Only*)	1,2	Open	2
	UQI11202	Philosophy and Current Issues	6	Open	2
	UQU10702	Appreciation of Ethics and Civilization	2	Open	2
		Foreign Languages: (*choose 1 only*) • UHB10502- French Communication • UHB10402- Arab Communication • UHB10702- German Communication • UHB10602- Spanish Communication • UHB10802- Japanese Communication • UHB10902- Mandarin Communication	 4 7 7 2 5,10 17	Open	2
	BWA21703	Financial Mathematics	1	FAST	3
	BWA10203	Calculus I	1	FAST	3
	BWA10603	Discrete Mathematics	1	FAST	3
	BWA10803	Computer Programming	1,2	FAST	3
	BWA11203	Fuzzy Set Theory and Applications	1	FAST	3
		Total Credit			**19**

No.	Course Code	Course Name	Section	Faculty	Credit
		1BWA(KOHORT 2024/2025)			
	UQI11202	Philosophy and Current Issues	**6**	Open	2
	UQU10702	Appreciation of Ethics and Civilization	**2**	Open	2
	UQ*1**01*	Co-Curriculum I		Open	1
	BWA11102	Basic accounting	**1**	FAST	2
	BWA10503	Calculus II	1	FAST	3
	BWA10603	Discrete Mathematics	1	FAST	3
	BWA10803	Computer Programming	1, 2	FAST	3
	BWA11203	Fuzzy Set Theory and Applications	1	FAST	3
		Total Credit			**19**

SECOND YEAR

No.	Course Code	Course Name	Section	Faculty	Credit
		2BWA(KOHORT 2023/2024)			
	BWU10202	Creativity and Innovation	1	FAST	2
	BWA20803	Vector Calculus	1	FAST	3
	BWA2**03	Elective I		FAST	3
	BWA21003	Data Analysis	1	FAST	3
	BWA21102	Project Management	1	FAST	2
	BWA21603	Mathematical Computing Tools	1,2	FAST	3
	BWA21703	Financial Mathematics	1	FAST	3
		Total Credit			**19**

		ELECTIVE OPERATIONAL RESEARCH / OPTIMIZATION			
	BWA32803	Queuing System and Inventory Control	1	FAST	3
		ELECTIVE ACTUARIAL SCIENCES			
	BWA22803	Actuarial Mathematics I	1	FAST	3

THIRD YEAR

No.	Course Code	Course Name	Section	Faculty	Credit
	UHB30102	English for Technical Purposes (*1 Students Only*)	41	Open	2
	BWA30803	Mathematical Modelling	1	FAST	3
	BWA20403	Data Science	1	FAST	3
	BWA3**03 (02)	Elective II	1	FAST	3
	BWA3**03 (03)	Elective III	1	FAST	3
	BWU10202	Creativity and Innovation	2	FAST	2
	BWA30702	Bachelor Degree Project I	1	FAST	2
		Total Credit			**16**
		ELECTIVE OPERATIONAL RESEARCH / OPTIMIZATION			
	BWA32903	Calculus of Variation and Optimal Control (Elektif III)	1	FAST	3
	BWA31003	Network Flow (Elektif II)	1	FAST	3
		ELECTIVE ACTUARIAL SCIENCES			
	BWA31503	Actuarial Mathematics II (Elektif II)	1	FAST	3
	BWA40903	Stochastics Process (Elektif III)	1	FAST	3
		Total Credit			**9**

FINAL YEAR

No.	Course Code	Course Name	Section	Faculty	Credit
	UHB40102	English for Occupational Purposes (*2 Student Only*)	32	Open	2
	BWA30808	Industrial Training			8
		Total Credit			**8**