

**Year 1**

Sem	Course Code	Course Name	Credit
1	UHB13102	English for General Communication	2
	UQ110102/UQ110202	Islamic Studies / Moral Studies	2
	UQ*1**01	Co-Curriculum I	1
	BWU10401	First Year Seminar	1
	BWS10103	Calculus	3
	BWS10203	Data Programming I	3
	BWS10303	Probability and Statistics	3
	BWS10403	Fundamental to Data Science	3
<b>Total</b>			<b>18</b>

Sem	Course Code	Course Name	Credit
2	UQH1202	Philosophy and Current Issues	2
	UQU10103	Nationhood and Current Development of Malaysia	3
	UQU10702	Appreciation, Ethics and Civilization	2
	UQ*10001	Co-Curriculum II	1
	UHB1**02	Foreign Language	2
	BWS10503	Discrete Mathematics	3
	BWS10603	Data Programming II*(OC)	3
	BWS10703	Linear Algebra	3
<b>Total</b>			<b>19</b>

**Year 2**

Sem	Course Code	Course Name	Credit
3	UHB23103	English for Technical Communication	3
	BWS20803	Regression Analysis	3
	BWS20903	Numerical Methods	3
	BWS21003	Inferential Statistics	3
	BWS21103	Data Structure and Algorithm	3
	BWS21203	Relational Database and Query Language*(OC)	3
	BWU10102	Entrepreneurship	2
<b>Total</b>			<b>20</b>

Sem	Course Code	Course Name	Credit
4	BWU10202	Creativity and Innovation	2
	BWS21303	Applied Multivariate Analysis	3
	BWS21403	Non-Relational and NoSQL Database	3
	BWS21503	Special Topics on Computational Data Analytics	3
	BWS21603	Time Series Analysis	3
	BWS21703	Operational Research *(OC)	3
<b>Total</b>			<b>17</b>

Sem	Course Code	Course Name	Credit
	BWS21803	Data Mining *(MC)	3
	BWS21903	Exploratory Data Analysis & Visualization *(MC)	3
<b>Total</b>			<b>6</b>

**Year 3**

Sem	Course Code	Course Name	Credit
5	UHB33103	English for Professional Communication	3
	BWS32003	Text Analytics* (OC)	3
	BWS32102	Risk Analysis	2
	BWS32203	Decision Support and Business Intelligence	3
	BWS33x03(1)	Elective I	3
	BWS33x03(2)	Elective II	3
	BWS33x03(3)	Elective III	3
<b>Total</b>			<b>20</b>

Sem	Course Code	Course Name	Credit
6	BWS44003	IT Professional Practice and Ethics *(WBL)	3
	BWS44104	Data Analytics and Management *(WBL)	4
	BWS44204	Professional Development*(WBL)	4
<b>Total</b>			<b>11</b>

Sem	Course Code	Course Name	Credit
	BWS44304	Industry Integrated Project Proposal	4
<b>Total</b>			<b>4</b>

**Year 4**

Sem	Course Code	Course Name	Credit
7	BWS44404	Industry Integrated Project Framework & Development	4
	BWB44506	Industry Integrated Project Report	6
<b>Total</b>			<b>10</b>

**Total Credit 125**

**ELECTIVE I**

Course Code	Course Name	Credit
BWS33003	Modern Data Warehousing	3
BWS33103	Applied Deep Learning	3
BWS33203	Artificial Intelligence	3

**ELECTIVE II**

Course Code	Course Name	Credit
BWS33303	Actuarial Data Analysis	3
BWS33403	Financial Mathematics	3
BWS33503	Environmental Data Analysis And Assessment	3

**ELECTIVE III**

Course Code	Course Name	Credit
BWS33603	Geo-Spatial Science	3
BWS33703	Intelligent Transport System	3
BWS33803	Bioinformatics	3
UQU40103	Professional at Work	3