

Suggested Study Pattern for ABB+IE (2024 Year 1 entry)

Year 1		Sem 1		
Subject code	Subject	Number of Credits	Core or Elective	DSR or GUR
ABCT1741	General Chemistry I	3	C	D
AMA1606	Basic Statistics	3	C	D
APSS1L01	Tomorrow's Leaders	3	C	G
ELCXXX	English LCR subject I	3	C	G
MM1031	Introduction to Innovation and Entrepreneurship	1	C	G
		Total	13	

Year 1		Sem 2		
Subject code	Subject	Number of Credits	Core or Elective	DSR or GUR
ABCT1102	General Biology	3	C	D
ABCT1103	General Laboratory Techniques and Safety	3	C	D
AMA1707	Introduction to Calculus	3	C	D
ELCXXX	English LCR subject II	3	C	G
COMP1004	Introduction to Artificial Intelligence and Data Analytics	2	C	G
AP10011	Physics for Chemical and Biological Sciences	3	C	D
		Total	17	

Year 1		Sem 3		
Subject code	Subject	Number of Credits	Core or Elective	DSR or GUR
CAR	CAR 1	3	C	G
CAR	CAR 2	3	C	G
		Total	6	

Year 2		Sem 1		
Subject code	Subject	Number of Credits	Core or Elective	DSR or GUR
ABCT2103	Cell Biology	3	C	D
ABCT2133	Human Physiology	3	C	D
ABCT2134	Microbiology	3	C	D
ABCT2742	Organic Chemistry I	3	C	D
CLCXXX	Chinese LCR subject	3	C	D
MM2021	Management & Organization	3	C	IE
		Total	<u>18</u>	

Year 2		Sem 2		
Subject code	Subject	Number of Credits	Core or Elective	DSR or GUR
ABCT2101	Biochemistry	3	C	D
ABCT2102	Molecular Biology	3	C	D
ABCT2001	Lab Techniques in Biological Sciences	1	C	D
ELC3121	English for Scientific Communication	2	C	D
MM2711	Introduction to Marketing	3	E	IE
MM3161/ LGT3161	Creativity, Innovation & Entrepreneurship	3	C	IE
		Total	<u>17</u>	

Year 2		Sem 3		
Subject code	Subject	Number of Credits	Core or Elective	DSR or GUR
MM2901/ MM2902	GBA Immersion Or Field Study For Innovation Ecosystem	3	C	IE
		Total	3	

Year 3		Sem 1		
Subject code	Subject	Number of Credits	Core or Elective	DSR or GUR
ABCT3101	Immunology	3	C	D
ABCT3104	Commercialization of Biotech Products	3	C/E	D/IE
ABCT3112	DNA Technology	3	C	D
ABCT3113	Biochemical Techniques	4	C	D
CLC2211P	Chinese Communication for Science Professionals	2	C	D
MM3162	Innovation and Entrepreneurship Colloquium	3	C	IE
		Total	<u>18</u>	

Year 3		Sem 2		
Subject code	Subject	Number of Credits	Core or Elective	DSR or GUR
ABCT3116	Experimental Approach in Molecular Biology and Biochemistry	3	C	D
ABCT4102	Immunotechnology	3	C	D
ABCT4103	Protein Biotechnology	3	C	D
ELC3121	English for Scientific Communication	2	C	D
MM4393	Business Innovation Project	3	C	IE
		Total	<u>14</u>	

Year 3		Sem 3		
Subject code	Subject	Number of Credits	Core or Elective	DSR or GUR
ABCT4118	Company Attachment	6	C	IE
		Total	6	

Year 4		Sem 1		
Subject code	Subject	Number of Credits	Core or Elective	DSR or GUR
ABCT4104	Recent Development in Medical Biotech	3	C/E	D/IE
	Any IE electives from the pool	3	E	D/IE
ABCT4001	Final Year Project	6 (3)	C	D
SL	Service Learning	3	C	G
CAR	CAR 3	3	C	G
		Total	18 (15)	

Year 4		Sem 2		
Subject code	Subject	Number of Credits	Core or Elective	DSR or GUR
ABCT4107	Case Study in Biotechnology Companies	3	E	IE
ABCT4115	Bioinformatics	3	C	D
ABCT4001	Final Year Project	Cont (3)	C	D
CAR	CAR 4	3	C	G
		Total	9 (12)	