



PENDING APPROVAL

Awards	
Higher Certificate	
Mode of Delivery:	Full Time
No. of Semesters :	4
NFQ Level:	6
Programme Credits:	120
Language of Instruction:	English
Department:	Science and Health

Semester Schedules

Stage 1 / Semester 1

Mandatory	
Module Code	Module Title
ZBIO C1101	Fundamental Biology
ZCHE C1101	Chemistry 1
ZLAB C1101	Laboratory Science
ZMTS C1101	Quantitative Methods 1
ZPHY C1101	Physics 1

Stage 1 / Semester 2

Mandatory	
Module Code	Module Title
ZBIO C1102	Animal and Human Biology
ZCHE C1102	Chemistry 2
ZMTS C1102	Quantitative Methods 2
ZPHY C1102	Physics 2
ZSCI C1101	Current Concepts in Science

Stage 2 / Semester 1

Mandatory	
Module Code	Module Title
ZINS H2101	Instrumentation
ZMTS H2101	Quantitative Methods and Quality Control 1
Group Elective 1	
Module Code	Module Title
ZBIO H2102	Molecular Biology 1
SCIE	Fundamentals of Microbiology 1
ZCHE H2101	Biochemistry Biomolecules
Group Elective 2	
Module Code	Module Title
ANAL	Analytical Inorganic Chemistry 1
CHEM	Organic and Physical Chemistry 1

Stage 2 / Semester 2

Mandatory	
Module Code	Module Title
QUAL	Quantitative Methods and Quality Control 2

Group Elective 1	
Module Code	Module Title
SCIE	Fundamentals of Microbiology 2
BIOL	Molecular Biology 2
PHIO	Biochemistry Metabolism
ZANA H2101	Analytical Techniques Pharmaceutical Science

Group Elective 2	
Module Code	Module Title
ZSCI H2101	Pharmaceutical Science
ANAL	Analytical Inorganic Chemistry 2
CHEM	Organic and Physical Chemistry 2
ZCHE H2105	Biomolecules