



## Mapping of Graduate Attributes to Programme Objectives & Courses

School of  
Health Sciences

### Bachelor of Science in Biomedical Technology (Medical Laboratory Technology)

Programme Objectives	Graduate Attributes						
	Knowledge Base	Application	Creativity	Acquisitions	Communication	Team Work	Ethical
1. Prepare students to become excellent and compassionate medical laboratory technicians	X	X	X	X	X	X	X
2. Prepare graduating students with clinical competency skills at the level of an entry-level technician as defined by the clinical & public health institutions of the community in Macao SAR, China.	X	X			X	X	X
3. Prepare graduation students to meet the passing requirements in laboratory technician registration for both medical laboratory and public health analysis streams in Macao SAR, China	X	X					X
4. Educate and train students to acquire technical skills and become proficient in tasks necessary to succeed in the profession	X	X	X	X	X	X	X
5. Prepare graduating students for postgraduate studies if they are interested in further academic pursue.	X	X	X	X			

Year 1	Course	Graduate Attributes						
		Knowledge Base	Application	Creativity	Acquisitions	Communication	Team Work	Ethical
Sem 1	Introduction to Laboratory Science Profession	X	X					X
	Basic Laboratory Techniques I	X	X					
	General Biology	X	X					
	General Chemistry	X	X					
	Cell Biology	X	X					
	Anatomy & Physiology	X	X					
	Information Technology Fundamentals	X	X					X
	Physical Education	X	X			X	X	
	English I	X	X			X		
Sem 2	Basic Laboratory Techniques II	X	X					
	Organic Chemistry	X	X					
	Biochemistry	X	X					
	Microbiology	X	X					
	Immunology	X	X					
	Pathophysiology	X	X					
	Advanced Computer Applications	X	X	X	X			X
	English II	X	X			X	X	
	General Elective I	X	X					

Year 2	Course	Graduate Attributes						
		Knowledge Base	Application	Creativity	Acquisitions	Communication	Team Work	Ethical
Sem 1	Clinical Chemistry	X	X					
	Clinical Microbiology	X	X					
	Virology	X	X					
	Analytical Chemistry	X	X					
	English III	X	X			X	X	
	College Chinese I	X	X			X	X	
	General Elective II	X	X					
Sem 2	Clinical Microscopy	X	X					
	Clinical Haematology	X	X					
	Clinical Immunology	X	X					
	Parasitology	X	X					
	English IV	X	X			X	X	
	College Chinese II	X	X			X	X	
	Professional Elective I	X	X					

Year 3	Course	Graduate Attributes						
		Knowledge Base	Application	Creativity	Acquisitions	Communication	Team Work	Ethical
Sem 1	Histopathology	X	X					
	Molecular Biology	X	X					
	Public Health Analysis (Chemistry)	X	X					
	Biostatistics	X	X					
	English V	X	X			X	X	
	Professional Elective II	X	X					
Sem 2	Public Health Analysis (Microbiology)	X	X					
	Immunohaematology (Blood Bank)	X	X					
	Laboratory Management	X	X	X	X	X	X	X
	Molecular Diagnostics	X	X	X	X			
	Research Methods	X	X	X	X			X
	Health Education and Promotion	X	X	X	X	X	X	X
	English VI	X	X			X	X	

Year 4	Course	Graduate Attributes						
		Knowledge Base	Application	Creativity	Acquisitions	Communication	Team Work	Ethical
Sem 1	Internship I	X	X	X	X	X	X	X
	Thesis I	X	X	X	X	X	X	X
	English VII	X	X	X	X	X	X	
Sem 2	Internship II	X	X	X	X	X	X	X
	Thesis II	X	X	X	X	X	X	X
	English VIII	X	X	X	X	X	X	