

BSC (HONS) (BIOMEDICAL SCIENCE) - MT871

Programme Learning Outcomes

Programme Learning Outcomes for BSc in Biomedical Science (NFQ Level 8, Major Award)

On successful completion of this programme, students should be able to:

- Demonstrate a detailed knowledge of the theory, principles and application of methods in biomedical science relevant to the areas of clinical biochemistry, medical microbiology, histopathology, haematology and transfusion science;
- Acquire and evaluate current theory in the field of biomedical science through research, critical thinking and problem solving;
- Discern and apply a wide range of techniques applicable to the different disciplines of biomedical science both in the clinical and research setting and to present their findings in written and oral forms;
- Assess, evaluate and interpret clinical laboratory tests and results with a view to aiding in clinical diagnosis;
- Employ analytical and problem solving skills in a professional and accountable manner in a wide range of contexts, including research, within the areas of biomedical science;
- Work proficiently and professionally as an individual, or as a member of a multidisciplinary healthcare team, to achieve accurate clinical diagnosis within a quality approved environment;
- Access, evaluate and articulate knowledge of biomedical science with a view to fostering their own learning and the learning of others in a professional environment;
- Appreciate the role of a Medical Scientist being cognisant of the professional and ethical requirements necessary to provide a quality pathology service within a healthcare system.