

BSC (HONS) (MEDICAL AND HEALTH SCIENCES) - CK707

Programme Learning Outcomes

Programme Learning Outcomes for BSc (Hons) (Medical and Health Sciences) (NFQ Level 8, Major Award)

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

- Explain the basic principles of medical science, i.e. anatomy, biochemistry and physiology, at whole body, organ, tissue, cellular and sub-cellular levels;
- Describe clinicopathological features of common human diseases and explain in detail their underlying mechanisms, with reference to current literature;
- Describe the major classes of drugs and pharmacological approaches to the management of common medical conditions, with reference to current literature;
- Explain the current research technologies and methods in the biomedical sciences, and outline how they are applied in preclinical and clinical medicine and/or in industrial laboratories;
- Demonstrate the ability to use appropriate strategies for literature searching, to critically evaluate research publications and to formulate research ideas and hypotheses;
- Design, execute and analyse an experiment or a study to test a hypothesis or theory in medical and health sciences;
- Interpret and discuss laboratory findings, perform appropriate statistical analyses and clearly communicate research findings and appropriate conclusions, both orally and in writing;
- Demonstrate appropriate scientific proficiency for entry into a variety of further postgraduate education/research or for employment in government, academic or industrial positions;
- Communicate effectively with the scientific community and appreciate the importance of contributing to the public understanding of science and medicine;
- Work effectively as an individual, in teams and in multidisciplinary settings, having developed the capacity to undertake lifelong learning and critical thinking.