

BSC (HONS) INDUSTRIAL PHYSICS - CK409

Programme Learning Outcomes

Programme Learning Outcomes for BSc in Industrial Physics (NFQ Level 8, Major Award)

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

- Construct solutions to industrial measurement and control problems using fundamental physical principles;
- Apply solutions from fundamental and applied physics to industrial production and manufacturing problems;
- Design, implement and test strategies for industrial testing and quality control;
- Apply fundamental physics to industrial research and developments;
- Choose experimental physics techniques to analyse and manage complex instrument systems;
- Develop and adapt systems for data acquisition, management and archiving;
- Communicate effectively within an industrial environment;
- Write laboratory reports that provide a description of the experiment, explain the experiment and reasoning clearly, and provide an appropriate conclusion.