

PHD (ENGINEERING SCIENCE)

Programme Learning Outcomes

Programme Learning Outcomes for PhD (Engineering Science) (NFQ Level 10, Major Award)

The following learning outcomes apply to all candidates on the programme.

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

- Demonstrate their ability to advance knowledge in materials, nanoscience, microelectronics, photonics and/or their applications as evidenced by a body of original research described in a doctoral thesis;
- Identify important concepts from affiliated scientific and engineering disciplines and to incorporate these concepts into research projects as required;
- Effectively communicate and present scientific and technological results to inform specialist and non-specialist audiences and be able to express the value of their research to society;
- Work effectively as an individual, in teams and in multi-disciplinary settings;
- Execute the steps needed to identify and protect intellectual property that may arise from original research.