

POSTGRADUATE CERTIFICATE IN SURGICAL SCIENCE

Programme Learning Outcomes

Programme Learning Outcomes for Postgraduate Certificate in Surgical Science (NFQ Level 9, Minor Award)

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

- Describe and employ optimal wound healing strategies which also minimise the risk of postoperative infection;
- Describe and employ optimal fluid management, metabolism and nutritional strategies in the preoperative and postoperative setting;
- Describe emerging surgical adjuvants to harness postoperative immune responses for optimal transplantation and surgical oncology outcomes;
- Plan and process ethical approval for a research project;
- Write documents to a standard suitable for publication;
- Describe and employ data analytical techniques;
- Describe the process and constraints in novel biomedical design development.