

POSTGRADUATE CERTIFICATE IN SURGICAL SCIENCE

Overview

NFQ Level 9, Minor Award

Exit Award only

Students who pass 30 credits in Year 1 of the MCh (Surgical Science) (<https://ucc-ie-public.courseleaf.com/programmes/mchsc/>) programme may choose to exit the programme with an award of a Postgraduate Certificate in Surgical Science (NFQ Level 9, Minor Award).

Programme Requirements

For information about modules, module choice, options and credit weightings, please go to Programme Requirements (p. 1).

Programme Requirements

Code	Title	Credits
Students take 30 credits as follows:		
<i>Core Modules</i>		
MX6005	Professional Development in Surgery 1	15
MX6007	Surgical Metabolism	5
SY6004	Surgical Immunology	5
SY6005	Essentials in Clinical Surgery 1	5
Total Credits		30

Examinations

Full details and regulations governing Examinations for each programme will be contained in the *Marks and Standards Book* and for each module in the *Book of Modules*.

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.