

POSTGRADUATE CERTIFICATE IN ANATOMY FOR MEDICAL DEVICE DEVELOPMENT

- Appraise and justify anatomical design decisions taken in common MedTech R&D problem-solving scenarios and propose solutions.
- Summarise learning by reflecting on capacity to: work in a team, take personal responsibility, identify knowledge gaps and outline opportunities for continued professional development.

Overview

The Postgraduate Certificate in Anatomy for Medical Device Development is a part-time 9-month, 30-credit taught programme.

Progression to the MSc in Medical Device Development (NFQ Level 9, Major Award)

Following successful completion of the Postgraduate Certificate in Anatomy for Medical Device Development, students may apply for the MSc in Medical Device Development (<https://ucc-ie-public.courseleaf.com/programmes/mscmd/>) (NFQ Level 9, Major Award), which is a joint programme between Munster Technological University and University College Cork. Students who are successful in their application will be eligible to apply for an exemption for modules they completed on the Postgraduate Certificate in Anatomy for Medical Device Development.

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>		
AN6050	Principles of Human Anatomy	5
AN6051	Human Biomechanics	5
AN6052	Anatomy for Biomedical Devices - Cardiovascular and Neurovascular Systems	10
AN6053	Anatomy for Biomedical Devices - Orthopaedics and the Musculoskeletal System	10
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 Anatomy for Medical Device Development (NFQ Level 9, Minor Award)

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

- Employ appropriate anatomical and clinical terminology in clinical interaction and in medical device design.
- Explain the interrelation between the structural features of organs and their functional roles and outline how they change in association with aging and pathophysiology.
- Demonstrate a critical awareness of design considerations, potential challenges and practical implications related to medical devices in the context of clinical and anatomical needs.