

MSC (APPLIED COASTAL AND MARINE MANAGEMENT)

Programme Learning Outcomes

Programme Learning Outcomes for MSc in Applied Coastal and Marine Management (NFQ Level 9, Major Award)

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

- Apply theoretical principles and concepts that underpin management of coastal and marine spaces;
- Critically assess the causes and outcomes of natural or anthropogenic changes in coastal and marine environments, their interactions, and their possible impacts on the natural environment and on human societies;
- Work with coastal and marine scientific data originating in a range of scientific disciplines (physics, biology, geology, oceanography, etc.), and integrate these for use in decision-making and formulation of management policies;
- Implement and integrate a variety of information technologies and methods, including computational analysis, fieldwork, numerical modelling and computer programming, using appropriate software packages, in order to address the information needs and demands of applied coastal and marine management and decision-making;
- Demonstrate awareness of issues of national and international good practice, and understand key policies, strategies and infrastructures that apply to the effective and sustainable use of coastal and marine spaces, and the implications of their use for society at large;
- Apply these skills to real-world problems, through completion of a dissertation based on directed research.