

# MSC (APPLIED COASTAL AND MARINE MANAGEMENT)

GG6514	Research Project in Applied Coastal and Marine Management	30
<b>Total Credits</b>		<b>90</b>

## Overview

### NFQ Level 9, Major Award

The MSc (Applied Coastal and Marine Management) is a full-time programme running for 12 months from the date of first registration for the programme.

Each candidate progressing to Part II of the programme must submit the research project (GG6514) in an area of Applied Coastal and Marine Management by 4.00pm on the Friday of the third week in September in the academic year of registration for the programme.

Independent research projects can be carried out on the main university campus, through the Programme and other linked University Staff; or, with support from relevant Research Staff, within the commercially-focussed environment of the Beaufort Laboratory in Ringaskiddy. Other commercial and practitioner placements with relevant coastal and marine-focussed industries, semi-state bodies and government will be considered, as appropriate to project proposals submitted by students.

## Postgraduate Diploma in Applied Coastal and Marine Management (NFQ Level 9, Major Award)

Students who successfully complete Part I may opt to exit the programme and be awarded a Postgraduate Diploma in Applied Coastal and Marine Management. (<https://ucc-ie-public.courseleaf.com/programmes/pdcmm/>)

## 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 <b>90</b> credits.		

### Part I

Students take **60** credits as follows:

#### Core Modules

GG6501	Introduction to Geographical Information Systems	5
GG6502	Introduction to Remote Sensing	5
GG6532	Coastal and Marine Resource Use Practices	10
GG6533	Spatial Ecology and GIS	5
GG6538	Natural and Anthropogenic Coastal Hazards	10
GG6539	Introduction to Coastal and Marine Governance	5
GG6540	Applied Seafloor Mapping: Hydrography and Geophysics	10
GG6541	Introduction to Coastal and Marine Processes	5
NE6010	Offshore Wind Energy	5

### Part II

Students take **30** credits as follows:

#### Core Modules

## 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 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.