

# College of Science, Engineering & Food Science



## School of Biological, Earth and Environmental Sciences



# MRes in ANIMAL AND PLANT SCIENCE

### University College Cork and the School of Biological Earth and Environmental Sciences

University College Cork is one of Ireland's oldest higher education institutions. Originally founded in 1845, UCC is now internationally acclaimed as one of Ireland's leading research institutions. The School of Biological, Earth and Environmental Science (BEES) incorporates the disciplines of Zoology, Ecology, Plant Science, Geology and Environmental Science. BEES is a recognised leader in teaching and research across all of our disciplines. See [www.ucc.ie/en/bees/](http://www.ucc.ie/en/bees/) or follow us on twitter @uccBEES or our facebook page.

### Overview of Programme

The MRes in Animal and Plant Science (CKS81) is a new research-intensive, 12-month programme launched in 2016. It aims to recruit highly-motivated, enthusiastic students with a strong interest in research. The programme combines a research project (70 credits) with taught modules (20 credits) chosen to enhance each student's individual skill set. The MRes is offered as a full time course, with start dates in either September or January.

### Research project (70 credits)

The extended project is the focus of the MRes and will be expected to represent cutting-edge, original research conducted under the close supervision of internationally recognised staff at the School of BEES. Projects will focus on Animal or Plant Science, and will ideally address cross-disciplinary biological questions. Projects may be conducted in collaboration with partner organisations, for example Teagasc and Fota Wildlife Park, and applicants are in general encouraged to suggest projects that foster collaborative research with external agencies.



Research topics are likely to fall within the following broad areas: animal ecology, animal behaviour, ornithology, fisheries, aquaculture, parasitology, plant ecology, plant physiology, plant biotechnology, grassland research and horticulture. Information about research projects or areas that are currently available can be found on the BEES website: [www.ucc.ie/en/bees/courses/postgrad/](http://www.ucc.ie/en/bees/courses/postgrad/). Students with their own project proposal are also strongly encouraged to apply.

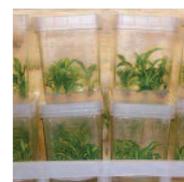
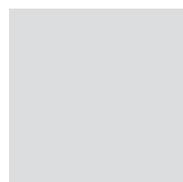
### Taught modules (20 credits)

In parallel with the research project, students must pass taught modules to the value of 20 credits selected from the following list:

- Characteristics of the Marine Environment (5 credits)
- Marine Megafauna (10 credits)
- Marine Ecology and Conservation (10 credits)
- Ecological Applications of Geographical Information Systems (5 credits)
- Genetics and the Marine Environment (5 credits)
- Frontiers in Biology (seminar series, 5 credits)
- Research Skills in Biology (5 credits)
- Food Production (5 credits)
- Plant Genetic Engineering (5 credits)
- Crop Physiology and Climate Change (5 credits)
- Environmentally Protective Management of Plant Pests and Pathogens (5 credits)
- Evolutionary Ecology (5 credits)
- Other relevant modules offered by the University (subject to availability and approval)

Further details of these modules can be found here: <http://www.ucc.ie/modules/>

Additionally a whole range of postgraduate modules (see modules beginning with PG) is also potentially available, subject to space availability on the module.



# MRes in ANIMAL AND PLANT SCIENCE

## Career Prospects

The MRes is designed to give you a strong start in your scientific research career. Students will gain invaluable experience in many key skills required by employers or in preparation for a PhD, including: project design and planning, experimental design, data management and statistical analysis, scientific writing, presentation skills, proposal writing, laboratory research techniques, safety, research ethics and integrity, information literacy and science communication. The MRes will therefore help you compete if applying for PhD positions, or when seeking employment in the private or public sectors (e.g. in environmental consultancy, conservation, agricultural or animal research or horticulture).

## Eligibility and Entry

Successful applicants must possess an Honours primary degree (minimum 2.1 Honours or equivalent) in an area relevant to Animal and Plant Science. Candidates must be approved by the MRes Coordinator and Programme Team, including the Head of School of Biological, Earth and Environmental Sciences. The number of places is limited and decisions on entry to the programme will be made following an interview. Please refer to Section 1 in the "MRes in Animal and Plant Science Application Process and Programme Timeline" document at:

<https://www.ucc.ie/en/bees/courses/postgrad/>

Apply online at <http://www.pac.ie/ucc> Please note the PAC application Code for the MRes in Animal and Plant Science is (PAC code: CKS81).

## Fees

Fees for EU and Non-EU applicants can be found at [www.ucc.ie/en/financeoffice/fees/](http://www.ucc.ie/en/financeoffice/fees/). In addition, a bench fee of €3000 will be charged to cover costs associated with the research project.



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## Further Information

Further information about the programme can be found on the BEES website:

[www.ucc.ie/en/bees/courses/postgrad/](http://www.ucc.ie/en/bees/courses/postgrad/)

If your query is not answered here, please contact:

## MRes Coordinator

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## Application Information

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