

# MRes (Master of Research) in Biochemistry and Biosciences

Teaching Mode: Full-time/Part-time

Qualifications: MSc

\*Fees: (EU) €5,770 and €5,000 Bench fee  
(Non-EU) €15,000 and €5,000 Bench fee

Duration: 1 Year full-time; 2 Years part-time

Web link: [www.ucc.ie/en/biochemistry/courses/postgraduate/mres/](http://www.ucc.ie/en/biochemistry/courses/postgraduate/mres/)

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The MRes in Biochemistry and Biosciences is a focused, research-intensive course aimed to recruit highly motivated, enthusiastic students with an interest in conducting a substantial, independent research project. With internationally recognised researchers in the School of Biochemistry and Cell Biology, the MRes combines immersion to your selected major research project with a minor taught component to enhance each student's individual skill set over either a 12 months (full time) or 24 months (part time, available to industry) period.

## Career Opportunities

The MRes in Biochemistry and Biosciences is designed to give students a research-intensive experience but at a degree level lower than a PhD. Taught modules are focused on generic and transferable research skills, rather than discipline-specific knowledge. There is an emphasis on data analysis, interpretation, problem-solving and time- and project-management. Students develop skills in presenting and writing science, posing a research question and development of a research proposal. Students completing the MRes in Biochemistry and Biosciences are competitive to secure funding, obtain a PhD position or enter directly into employment within the biotechnology or pharmaceutical sectors.

## Entry and Eligibility

**There are two entry points in the academic year: October and January.** Candidates must have obtained at least a Second-Class Honours Grade I degree or equivalent in the biological sciences, medicine or pharmaceutical sciences. Candidates must be approved by the MRes Director and the Head of the School of Biochemistry and Cell Biology. The number of places is limited and decisions on entry to the programme will be made on the basis of the candidate's performance in their primary degree and interview according to the following criteria: academic qualifications, research experience and focus, scientific understanding, personal statement and strong recommendations from two academic referees. Candidates, for whom English is not their primary language, should possess an IELTS score of 6.5, with no individual section lower than 6.0.

## Programme Structure

The MRes in Biochemistry and Biosciences is comprised of an orientation and induction week, elective modules (20 credits in total), attendance at school seminars and their major research project and dissertation (70 credits).

## What you will study

**Research project:** The largest component of the MRes degree is the research project. Students will select or design a project, together with a supervisor based in the School of Biochemistry and Cell Biology. Students begin their selected project within the first month of the programme. Work on your project is compiled into an MSc research dissertation.

### Elective modules can include but are not limited to:

**ML6003** Scientific Communication of Current Topics in Molecular Cell Biology, **BC6004** Scientific Research Planning and Proposals, **PG6001** Scientific Training for Enhanced Postgraduate Studies, **ML6005** Molecular Techniques, Information Literacy Skills, **PG6014** Scientific Outreach and Communication, **PG6015** Introduction to Research Ethics or **ST6013** Statistics and Data Analysis.

**FACTS:** By completing the MRes in Biochemistry and Biosciences, students will gain invaluable experience in all aspects of research - from hands-on, practical skills to experimental design, planning and project-management. Students work independently, but also collaboratively within a selected research group within the School of Biochemistry and Cell Biology. As part of the MRes, students attend research seminars in the School of Biochemistry and Cell Biology Seminar Series. Presented by both external and internal speakers, you will hear about the latest research developments from experts in their fields. The MRes is designed to give you the best start for your scientific research career.

**On completion, you will have reached your goals as a professional scientist, expanded your scientific network and knowledge in an excellent environment among world experts.**